

BUILDING 35, SOUTH SIDE THREE ROAD, CHATHAM DOCKS, GILLINGHAM, ME4 4FQ

Order Details

Date: 03/10/2023
Your ref: Mobile_Compactor_Services_Limited
Our Ref: GS-NVU-LTG-2M5-JVB

Site Details

Location: 577287 169602
Area: 0.4 ha
Authority: [Medway Council](#) ↗



[Summary of findings](#)

[p. 2 > Aerial image](#)

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[OS MasterMap site plan](#)

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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 >	14	5	18	54	-
19 >	1.2 >	Historical tanks >	0	1	3	11	-
20 >	1.3 >	Historical energy features >	0	0	1	16	-
21	1.4	Historical petrol stations	0	0	0	0	-
21	1.5	Historical garages	0	0	0	0	-
21	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
22 >	2.1 >	Historical industrial land uses >	17	9	28	91	-
28 >	2.2 >	Historical tanks >	0	1	3	17	-
29 >	2.3 >	Historical energy features >	0	0	2	29	-
30	2.4	Historical petrol stations	0	0	0	0	-
30	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
31	3.1	Active or recent landfill	0	0	0	0	-
31	3.2	Historical landfill (BGS records)	0	0	0	0	-
32	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
32 >	3.4 >	Historical landfill (EA/NRW records) >	1	0	0	2	-
33 >	3.5 >	Historical waste sites >	0	0	1	2	-
34 >	3.6 >	Licensed waste sites >	0	0	6	15	-
39 >	3.7 >	Waste exemptions >	0	0	12	36	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
44 >	4.1 >	Recent industrial land uses >	1	3	2	-	-
45 >	4.2 >	Current or recent petrol stations >	0	0	0	1	-
45	4.3	Electricity cables	0	0	0	0	-
45	4.4	Gas pipelines	0	0	0	0	-
46	4.5	Sites determined as Contaminated Land	0	0	0	0	-



46 >	4.6 >	Control of Major Accident Hazards (COMAH) >	1	0	0	1	-
46	4.7	Regulated explosive sites	0	0	0	0	-
46 >	4.8 >	Hazardous substance storage/usage >	0	0	1	4	-
47	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
47	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
48 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	1	0	1	-
48 >	4.12 >	Radioactive Substance Authorisations >	0	0	0	1	-
49 >	4.13 >	Licensed Discharges to controlled waters >	0	0	0	11	-
50	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
51	4.15	Pollutant release to public sewer	0	0	0	0	-
51	4.16	List 1 Dangerous Substances	0	0	0	0	-
51	4.17	List 2 Dangerous Substances	0	0	0	0	-
51 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	0	8	-
52	4.19	Pollution inventory substances	0	0	0	0	-
53	4.20	Pollution inventory waste transfers	0	0	0	0	-
53	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
54 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
56 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
58 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
59 >	5.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
60	5.5	Groundwater vulnerability- local information	None (within 0m)				
61 >	5.6 >	Groundwater abstractions >	0	0	0	1	1
62	5.7	Surface water abstractions	0	0	0	0	0
62	5.8	Potable abstractions	0	0	0	0	0
63	5.9	Source Protection Zones	0	0	0	0	-
63	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
64 >	6.1 >	Water Network (OS MasterMap) >	0	0	1	-	-



65 >	6.2 >	Surface water features >	0	1	1	-	-
65 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
65 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
66 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
67 >	7.1 >	Risk of flooding from rivers and the sea >	Low (within 50m)				
68	7.2	Historical Flood Events	0	0	0	-	-
68	7.3	Flood Defences	0	0	0	-	-
68 >	7.4 >	Areas Benefiting from Flood Defences >	1	0	3	-	-
69	7.5	Flood Storage Areas	0	0	0	-	-
70 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
71 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
72 >	8.1 >	Surface water flooding >	1 in 1000 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
74 >	9.1 >	Groundwater flooding >	Moderate-High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
75 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	5
76 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	0	2
78	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
78 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	0	2
79	10.5	National Nature Reserves (NNR)	0	0	0	0	0
79	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
80 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	1
80	10.8	Biosphere Reserves	0	0	0	0	0
80	10.9	Forest Parks	0	0	0	0	0
80 >	10.10 >	Marine Conservation Zones >	0	0	0	2	33
82	10.11	Green Belt	0	0	0	0	0
82	10.12	Proposed Ramsar sites	0	0	0	0	0



82	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
83	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
83	10.15	Nitrate Sensitive Areas	0	0	0	0	0
83 >	10.16 >	<u>Nitrate Vulnerable Zones ></u>	0	0	0	0	2
84 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	1	-	-	-	-
85 >	10.18 >	<u>SSSI Units ></u>	0	0	0	0	8
Page	Section	<u>Visual and cultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
91	11.1	World Heritage Sites	0	0	0	-	-
92	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
92	11.3	National Parks	0	0	0	-	-
92	11.4	Listed Buildings	0	0	0	-	-
92 >	11.5 >	<u>Conservation Areas ></u>	0	1	1	-	-
93 >	11.6 >	<u>Scheduled Ancient Monuments ></u>	0	0	1	-	-
93	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
94 >	12.1 >	<u>Agricultural Land Classification ></u>	Urban (within 250m)				
95	12.2	Open Access Land	0	0	0	-	-
95	12.3	Tree Felling Licences	0	0	0	-	-
95	12.4	Environmental Stewardship Schemes	0	0	0	-	-
95	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
96 >	13.1 >	<u>Priority Habitat Inventory ></u>	0	0	11	-	-
97	13.2	Habitat Networks	0	0	0	-	-
97	13.3	Open Mosaic Habitat	0	0	0	-	-
97	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
99 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
100	14.2	Artificial and made ground (10k)	0	0	0	0	-
101	14.3	Superficial geology (10k)	0	0	0	0	-



101	14.4	Landslip (10k)	0	0	0	0	-
102	14.5	Bedrock geology (10k)	0	0	0	0	-
102	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
103 >	15.1 >	50k Availability >	Identified (within 500m)				
104	15.2	Artificial and made ground (50k)	0	0	0	0	-
104	15.3	Artificial ground permeability (50k)	0	0	-	-	-
105 >	15.4 >	Superficial geology (50k) >	1	0	0	2	-
106 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
106	15.6	Landslip (50k)	0	0	0	0	-
106	15.7	Landslip permeability (50k)	None (within 50m)				
107 >	15.8 >	Bedrock geology (50k) >	2	0	0	4	-
108 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
108	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
109 >	16.1 >	BGS Boreholes >	0	3	95	-	-
Page	Section	Natural ground subsidence >					
115 >	17.1 >	Shrink swell clays >	Low (within 50m)				
116 >	17.2 >	Running sands >	Low (within 50m)				
118 >	17.3 >	Compressible deposits >	High (within 50m)				
119 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
120 >	17.5 >	Landslides >	Very low (within 50m)				
121 >	17.6 >	Ground dissolution of soluble rocks >	Very low (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
123 >	18.1 >	BritPits >	0	0	0	3	-
124 >	18.2 >	Surface ground workings >	1	0	9	-	-
125 >	18.3 >	Underground workings >	0	0	0	0	1
125	18.4	Underground mining extents	0	0	0	0	-
125	18.5	Historical Mineral Planning Areas	0	0	0	0	-

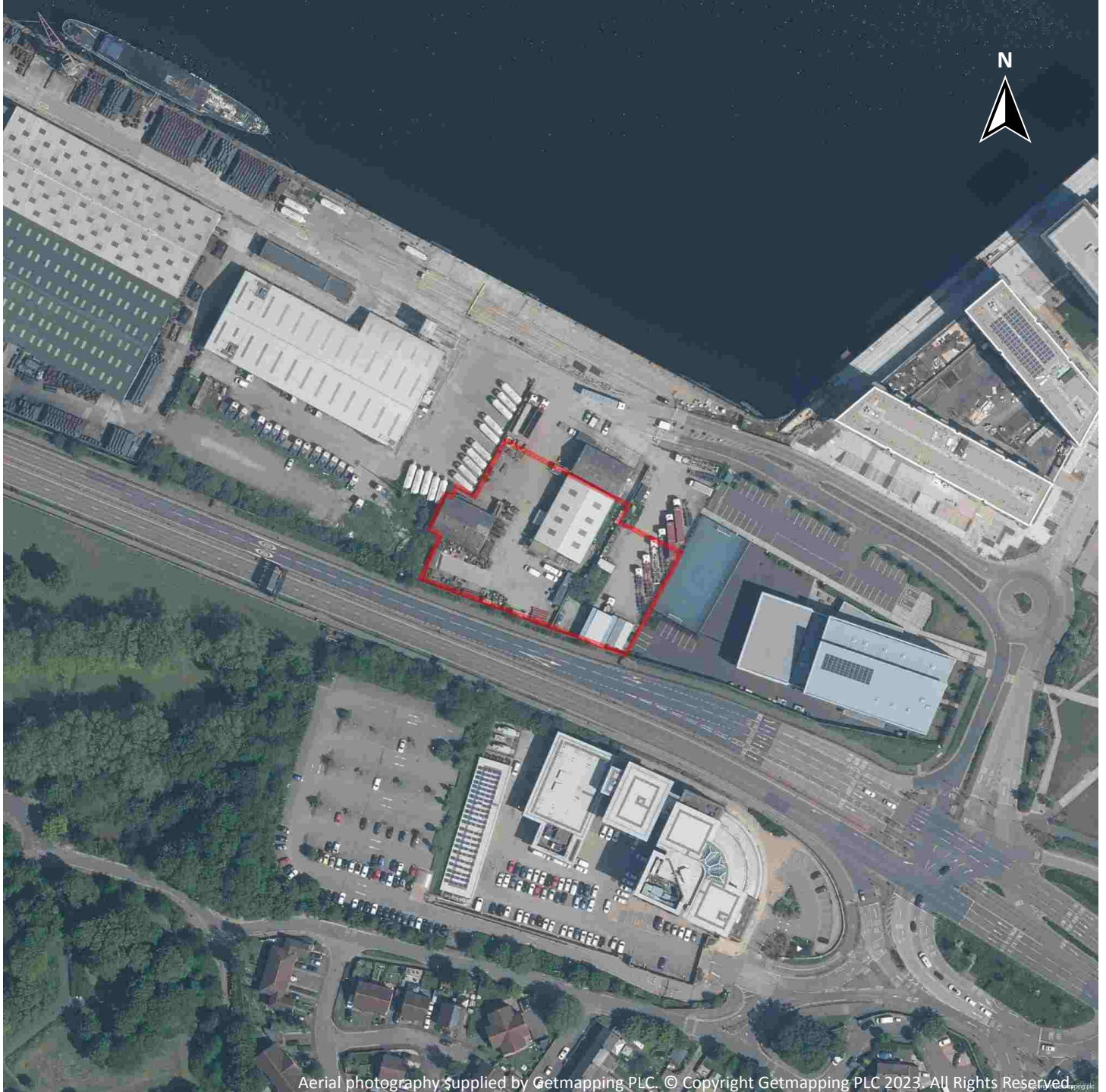


126 >	18.6 >	Non-coal mining >	1	1	0	9	5
127	18.7	JPB mining areas	None (within 0m)				
128	18.8	The Coal Authority non-coal mining	0	0	0	0	-
128 >	18.9 >	Researched mining >	1	0	0	0	-
128	18.10	Mining record office plans	0	0	0	0	-
128	18.11	BGS mine plans	0	0	0	0	-
129	18.12	Coal mining	None (within 0m)				
129	18.13	Brine areas	None (within 0m)				
129	18.14	Gypsum areas	None (within 0m)				
129	18.15	Tin mining	None (within 0m)				
129	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
130	19.1	Natural cavities	0	0	0	0	-
131 >	19.2 >	Mining cavities >	0	0	0	2	5
131	19.3	Reported recent incidents	0	0	0	0	-
132	19.4	Historical incidents	0	0	0	0	-
132	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
133 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
135 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	1	-	-	-
135	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
135	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
136	22.1	Underground railways (London)	0	0	0	-	-
136	22.2	Underground railways (Non-London)	0	0	0	-	-
137	22.3	Railway tunnels	0	0	0	-	-
137 >	22.4 >	Historical railway and tunnel features >	11	1	6	-	-
138	22.5	Royal Mail tunnels	0	0	0	-	-



138	22.6	Historical railways	0	0	0	-	-
138 >	22.7 >	Railways >	0	1	1	-	-
139	22.8	Crossrail 1	0	0	0	0	-
139	22.9	Crossrail 2	0	0	0	0	-
139	22.10	HS2	0	0	0	0	-

Recent aerial photograph

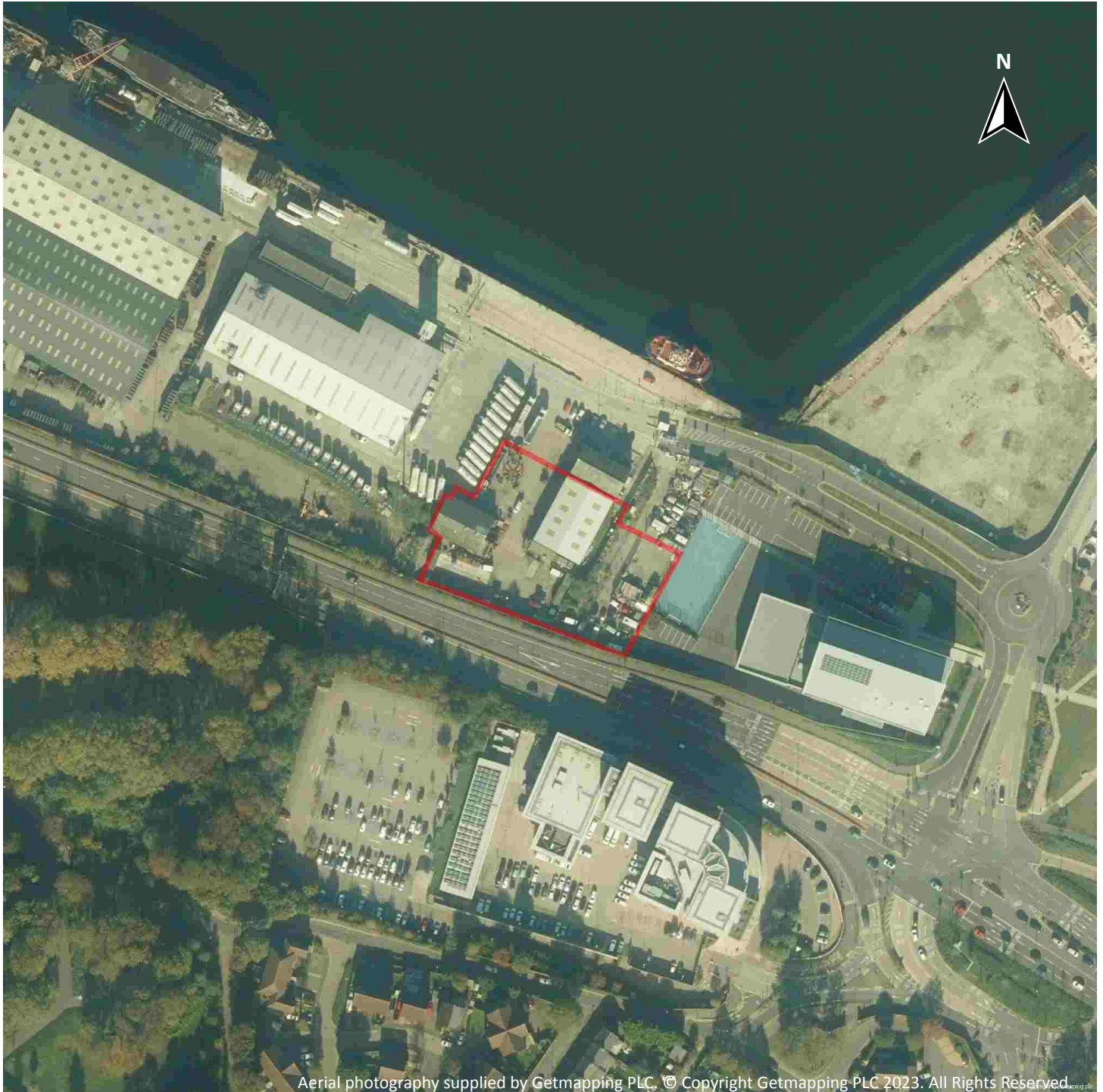


Capture Date: 31/05/2021

Site Area: 0.4ha



Recent site history - 2018 aerial photograph

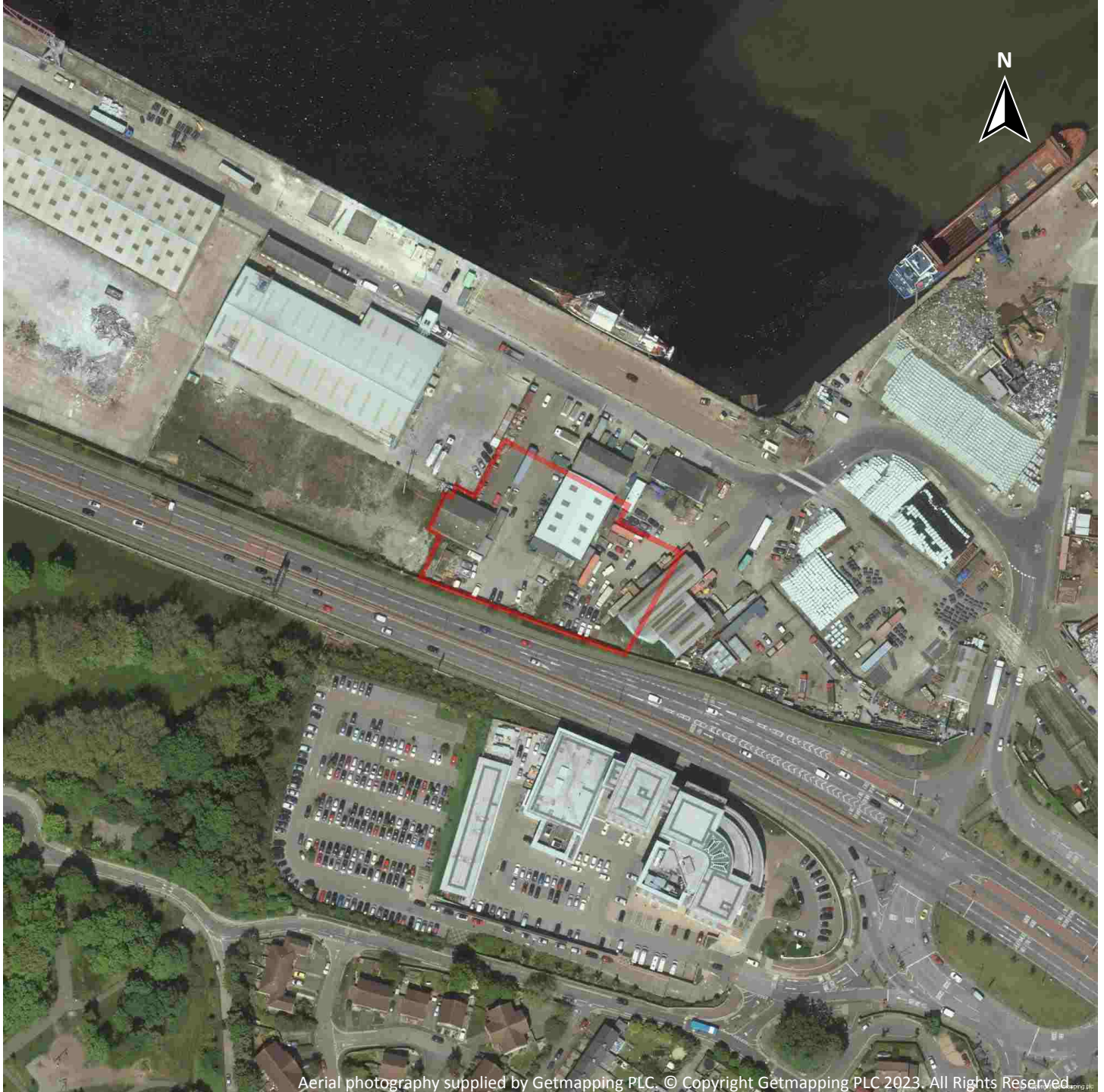


Capture Date: 21/10/2018

Site Area: 0.4ha



Recent site history - 2012 aerial photograph



Capture Date: 25/05/2012

Site Area: 0.4ha



Recent site history - 2008 aerial photograph

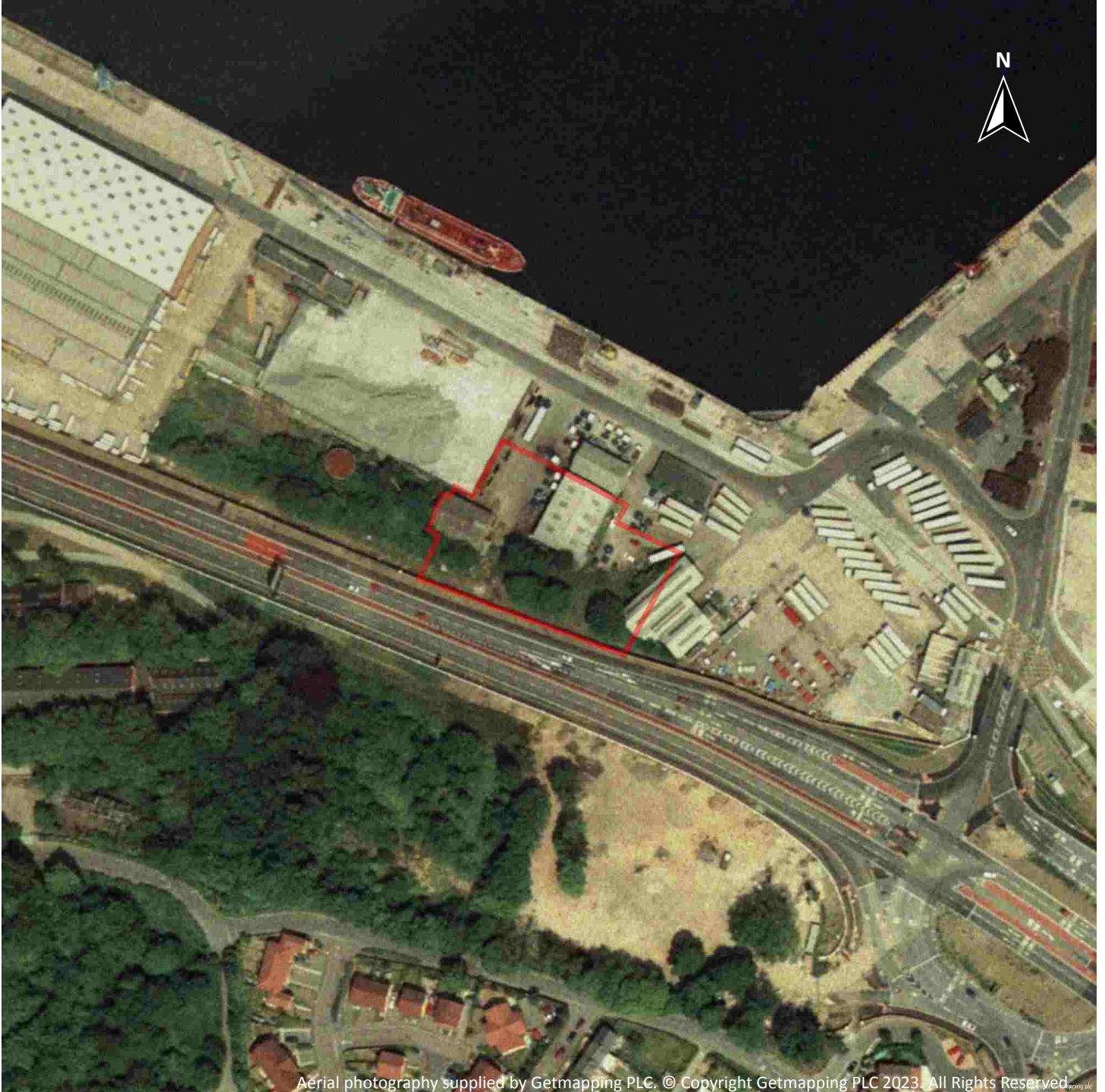


Capture Date: 09/10/2008

Site Area: 0.4ha



Recent site history - 1999 aerial photograph

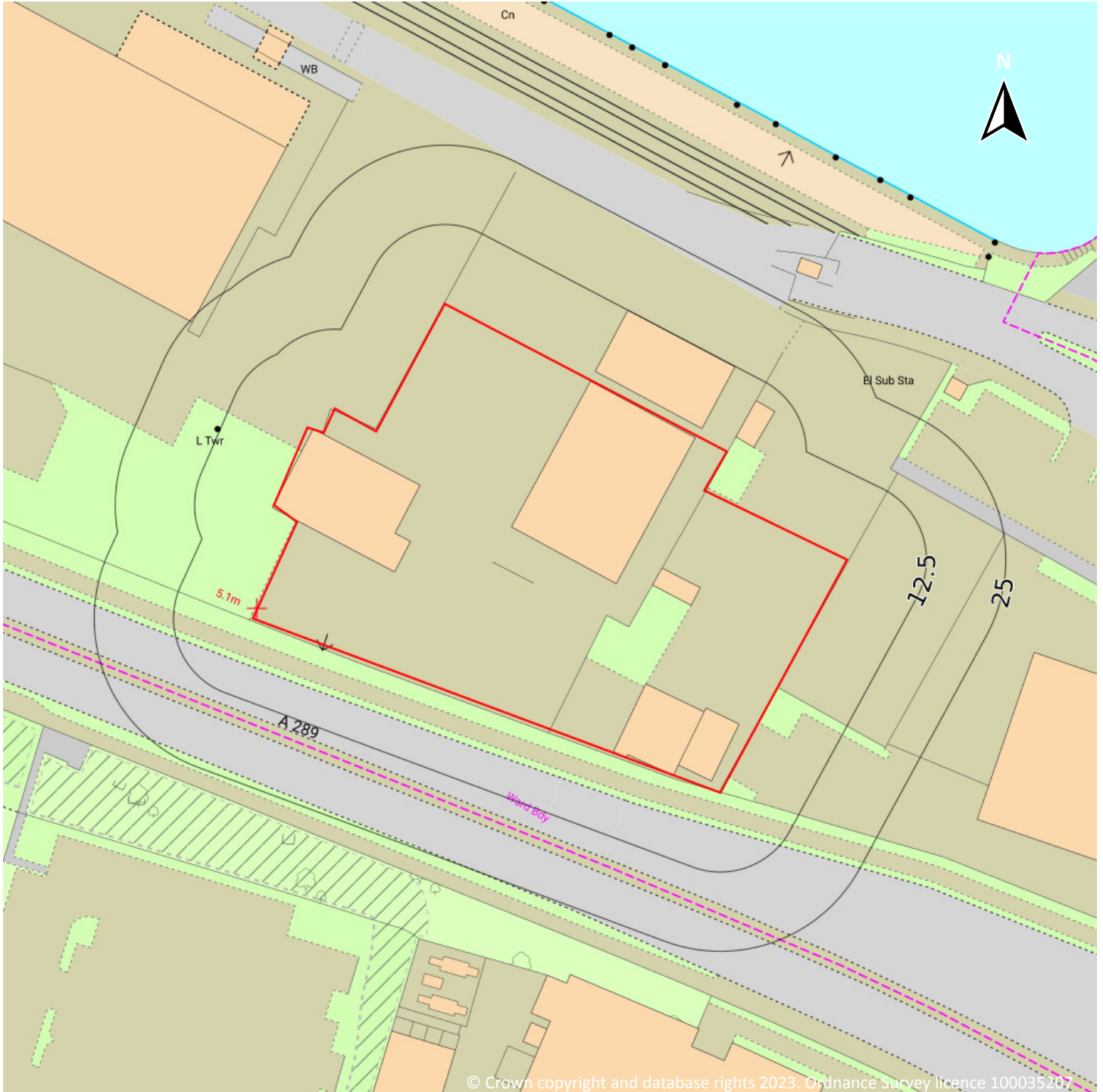


Capture Date: 26/06/1999

Site Area: 0.4ha



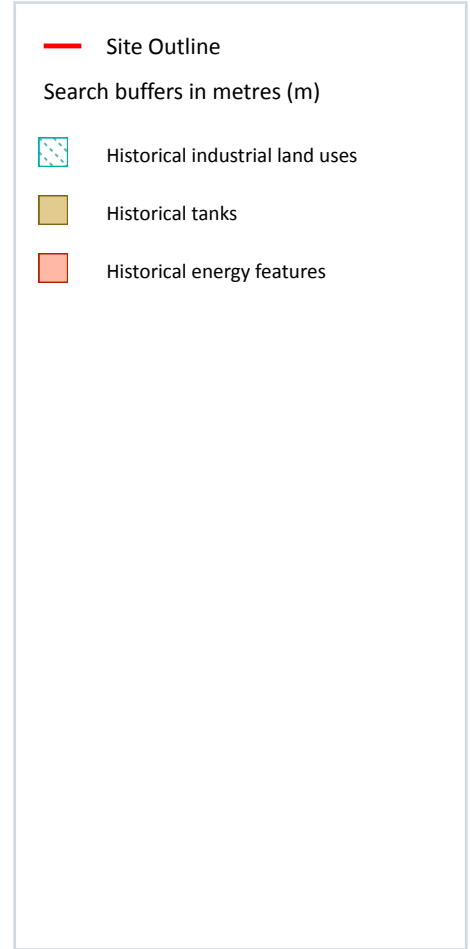
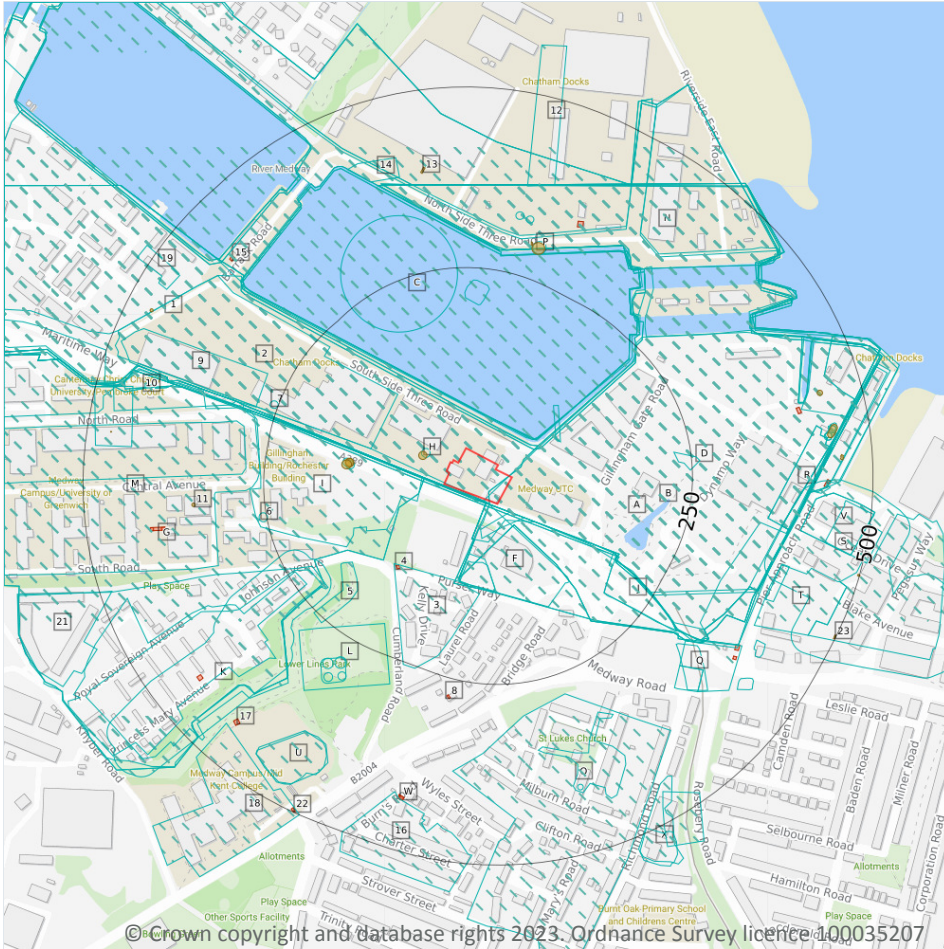
OS MasterMap site plan



Site Area: 0.4ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m **91**

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
1	On site	Unspecified Commercial/Industrial	1938	2189615



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Commercial/Industrial	1990	2168780
B	On site	Unspecified Commercial/Industrial	1973	2168814
B	On site	Unspecified Commercial/Industrial	1979	2168815
B	On site	Tramway Sidings	1933	2181662
B	On site	Railway Sidings	1938 - 1990	2231614
B	On site	Unspecified Commercial/Industrial	1967	2238501
B	On site	Railway Sidings	1931	2253455
B	On site	Railway Sidings	1970 - 1979	2284804
C	On site	Unspecified Commercial/Industrial	1938	2168850
C	On site	Unspecified Commercial/Industrial	1938	2168851
D	On site	Coal Depot	1933 - 1938	2186023
D	On site	Coal Depot	1938	2245110
E	On site	Dock	1931 - 1933	2193777
F	5m SE	Unspecified Commercial/Industrial	1938	2287734
G	29m W	Barracks	1938	2197315
G	29m W	Barracks	1933	2204311
H	30m NW	Unspecified Tank	1973 - 1979	2181697
I	32m W	Unspecified Commercial/Industrial	1967 - 1990	2285618
F	78m S	Unspecified Pits	1907	2263633
A	81m NE	Unspecified Wharf	1865	2157341
F	84m S	Unspecified Pits	1933 - 1938	2262184
2	107m NW	Dock Yard	1990	2271407
3	118m S	Unspecified Commercial/Industrial	1955 - 1990	2171047
I	127m W	Unspecified Tank	1938 - 1955	2274236
5	167m SW	Cuttings	1907	2129997
J	173m SE	Nursery	1938	2234926
C	178m N	Dock Yard	1907	2135654
J	180m SE	Nursery	1933 - 1938	2185032



ID	Location	Land use	Dates present	Group ID
E	199m N	Unspecified Ground Workings	1865	2134572
K	202m SW	Barracks	1907	2181452
L	210m SW	Unspecified Commercial/Industrial	1933 - 1938	2287883
K	215m SW	Barracks	1938	2275567
K	219m SW	Barracks	1955 - 1967	2197712
D	227m E	Coastguard Station	1865	2165240
K	235m SW	Barracks	1865	2236914
6	249m W	Unspecified Tank	1973 - 1979	2237845
7	250m W	Chimney	1967 - 1979	2249925
M	255m W	Barracks	1907	2205056
M	275m W	Barracks	1955 - 1990	2258556
L	278m SW	Unspecified Tank	1933 - 1938	2288851
N	278m N	Dock	1979	2206883
N	278m N	Dock	1973	2227896
9	278m W	Dock Yard	1973 - 1979	2224686
L	279m SW	Unspecified Tanks	1938	2144342
O	279m S	Brick Field	1865	2282823
P	287m N	Unspecified Tank	1933 - 1938	2280379
L	289m SW	Unspecified Tank	1933 - 1938	2294923
L	295m SW	Unspecified Tank	1933 - 1938	2197060
L	306m SW	Unspecified Tank	1933 - 1938	2259459
10	307m W	Unspecified Commercial/Industrial	1967 - 1979	2202178
Q	315m SE	Railway Sidings	1896 - 1907	2224626
O	320m SE	Unspecified Ground Workings	1865	2134571
Q	321m SE	Brick Field	1865	2146761
P	324m N	Unspecified Tank	1973 - 1979	2247259
P	325m N	Unspecified Tank	1973 - 1979	2201536
Q	337m SE	Clay Mill	1865	2166688



ID	Location	Land use	Dates present	Group ID
R	359m E	Unspecified Commercial/Industrial	1979	2190131
R	359m E	Unspecified Commercial/Industrial	1990	2260355
S	369m E	Chemical Works	1933 - 1938	2290691
12	373m N	Railway Sidings	1975	2276774
14	386m N	Railway Sidings	1975	2191057
T	388m E	Unspecified Depot	1955	2287963
T	390m SE	Unspecified Depot	1967 - 1990	2256428
U	391m SW	Unspecified Heap	1967 - 1990	2233797
U	392m SW	Unspecified Heap	1955	2267619
O	405m S	Crushing Mill	1865	2140963
Q	406m SE	Clay Pit	1865	2158162
V	406m E	Unspecified Depot	1955 - 1967	2171106
V	406m E	Unspecified Commercial/Industrial	1973 - 1979	2254150
R	410m E	Unspecified Wharf	1938	2189680
R	410m E	Unspecified Commercial/Industrial	1990	2182146
R	410m E	Unspecified Commercial/Industrial	1979	2184082
R	410m E	Unspecified Wharf	1938	2228844
R	412m E	Unspecified Wharf	1933	2242293
R	414m E	Dock	1955	2277791
Q	415m SE	Unspecified Pit	1865	2126372
16	423m S	Brick Field	1865	2146760
M	436m W	Field Works Depot	1865	2166592
R	436m E	Unspecified Tank	1933 - 1938	2287927
R	437m E	Unspecified Tanks	1938	2221100
R	437m E	Unspecified Tanks	1967 - 1973	2277039
V	443m E	Chemical Works	1938	2251959
R	444m E	Unspecified Tank	1933 - 1938	2237040
X	445m SE	Unspecified Heap	1907	2250121



ID	Location	Land use	Dates present	Group ID
18	448m SW	Industrial Training Centre	1967	2143436
19	455m NW	Railway Sidings	1938	2286372
X	460m SE	Cuttings	1896	2129999
S	465m SE	Unspecified Works	1955 - 1990	2175573
21	483m W	Engineering Training Centre	1990	2142684
X	494m SE	Unspecified Heap	1933 - 1938	2213080

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	15
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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
H	33m W	Unspecified Tank	1987	369417
I	128m W	Unspecified Tank	1953	402290
I	129m W	Unspecified Tank	1953	402533
I	131m W	Unspecified Tank	1932	403022
P	286m N	Unspecified Tank	1932	369414
P	295m N	Tanks	1967	378065
11	346m W	Unspecified Tank	1994 - 1996	386774
13	385m N	Unspecified Tank	1992	369402
R	438m E	Unspecified Tank	1982	369415
R	441m E	Tanks	1965 - 1967	400454
R	455m E	Tanks	1953	386537
20	462m NW	Unspecified Tank	1984	369413



ID	Location	Land use	Dates present	Group ID
M	466m W	Unspecified Tank	1867	369412
S	497m E	Unspecified Tank	1967	369352
23	498m SE	Unspecified Tank	1953 - 1967	399483

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

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

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

ID	Location	Land use	Dates present	Group ID
4	128m SW	Electricity Substation	1953	290943
8	273m S	Electricity Substation	1995	247562
N	343m N	Electricity Substation	1987	247561
Q	384m SE	Electricity Substation	1985	247580
Q	389m SE	Electricity Substation	1953	268648
G	391m W	Electricity Substations	1994 - 1995	261679
G	392m W	Electricity Substations	1996	289080
R	405m E	Electricity Substation	1982	247579
G	407m W	Electricity Substations	1996	260587
15	411m NW	Electricity Substation	1994 - 1996	289827
W	425m S	Electricity Substation	1986 - 1995	291129
W	425m S	Electricity Substation	1953	269345
K	428m SW	Electricity Substation	1970 - 1996	263739
R	432m E	Electricity Substation	1953 - 1982	273251
17	433m SW	Electricity Substation	1970 - 1996	275606



ID	Location	Land use	Dates present	Group ID
R	436m E	Electricity Substations	1953	250103
22	494m SW	Electricity Substation	1994 - 1995	286671

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.

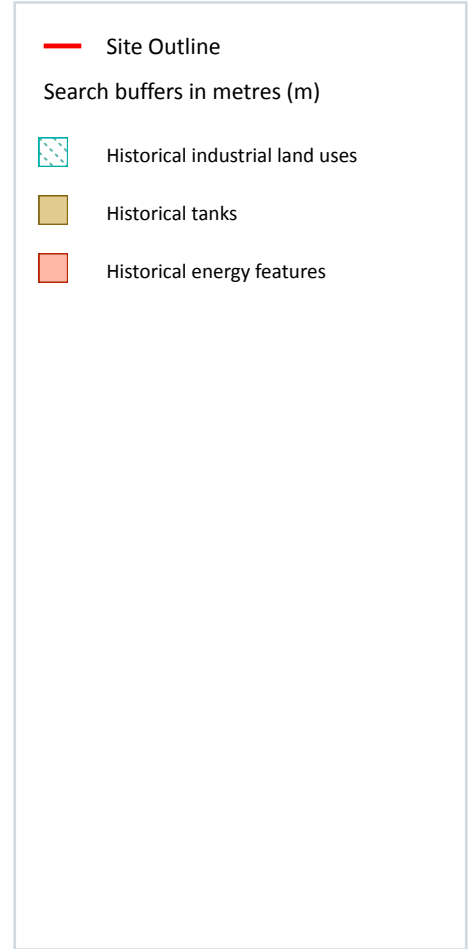
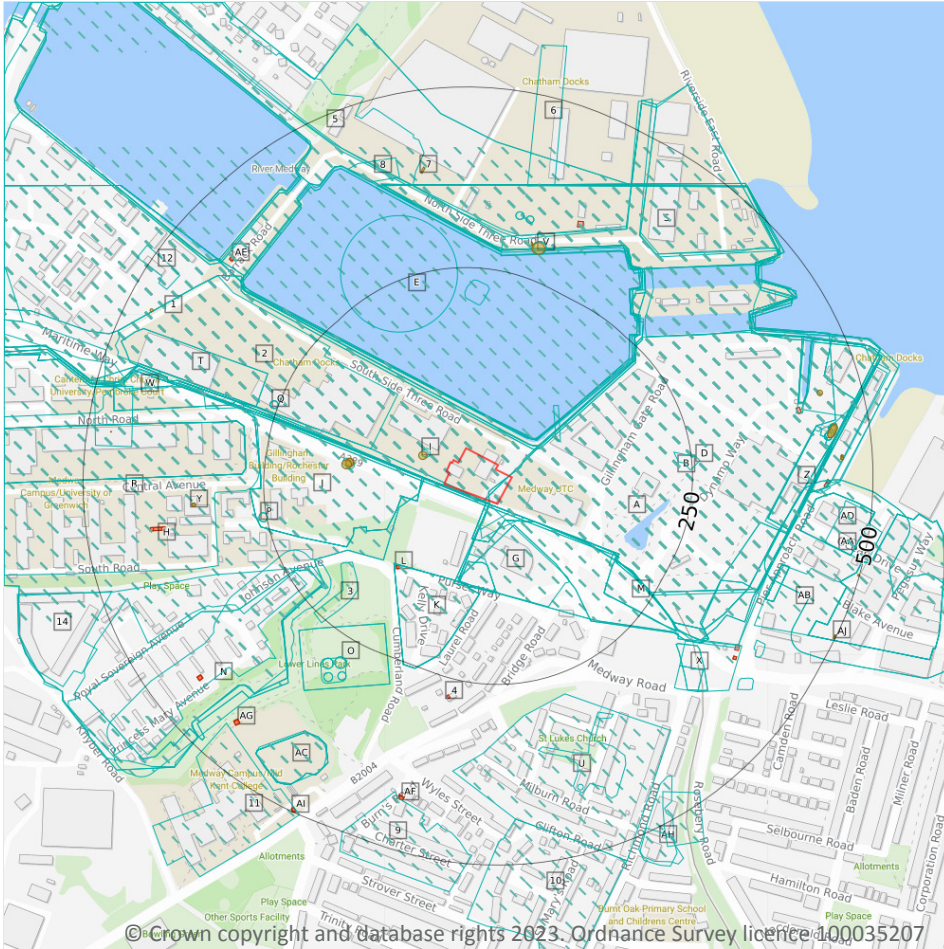
1.6 Historical military land

Records within 500m **0**

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

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

2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m

145

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

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Commercial/Industrial	1938	2189615
A	On site	Railway Sidings	1990	2231614
A	On site	Unspecified Commercial/Industrial	1990	2168780

ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Commercial/Industrial	1967	2238501
B	On site	Railway Sidings	1967	2231614
B	On site	Railway Sidings	1979	2284804
B	On site	Unspecified Commercial/Industrial	1979	2168815
B	On site	Railway Sidings	1973	2284804
B	On site	Unspecified Commercial/Industrial	1973	2168814
C	On site	Railway Sidings	1938	2231614
C	On site	Tramway Sidings	1933	2181662
C	On site	Railway Sidings	1938	2231614
D	On site	Coal Depot	1938	2186023
D	On site	Coal Depot	1933	2186023
D	On site	Coal Depot	1938	2245110
E	On site	Unspecified Commercial/Industrial	1938	2168850
F	On site	Dock	1933	2193777
G	5m SE	Unspecified Commercial/Industrial	1938	2287734
H	29m W	Barracks	1938	2197315
H	29m W	Barracks	1933	2204311
I	30m NW	Unspecified Tank	1979	2181697
J	32m W	Unspecified Commercial/Industrial	1990	2285618
J	32m W	Unspecified Commercial/Industrial	1967	2285618
J	32m W	Unspecified Commercial/Industrial	1979	2285618
J	32m W	Unspecified Commercial/Industrial	1973	2285618
I	33m NW	Unspecified Tank	1973	2181697
G	78m S	Unspecified Pits	1907	2263633
A	81m NE	Unspecified Wharf	1865	2157341
G	84m S	Unspecified Pits	1938	2262184
G	84m S	Unspecified Pits	1933	2262184
2	107m NW	Dock Yard	1990	2271407



ID	Location	Land Use	Date	Group ID
K	118m S	Unspecified Commercial/Industrial	1990	2171047
K	118m S	Unspecified Commercial/Industrial	1967	2171047
K	118m S	Unspecified Commercial/Industrial	1979	2171047
K	118m S	Unspecified Commercial/Industrial	1973	2171047
K	118m S	Unspecified Commercial/Industrial	1955	2171047
J	127m W	Unspecified Tank	1938	2274236
J	133m W	Unspecified Tank	1955	2274236
3	167m SW	Cuttings	1907	2129997
M	173m SE	Nursery	1938	2234926
E	178m N	Dock Yard	1907	2135654
M	180m SE	Nursery	1938	2185032
M	180m SE	Nursery	1933	2185032
F	199m N	Unspecified Ground Workings	1865	2134572
N	202m SW	Barracks	1907	2181452
O	210m SW	Unspecified Commercial/Industrial	1938	2287883
O	210m SW	Unspecified Commercial/Industrial	1933	2287883
N	215m SW	Barracks	1938	2275567
N	219m SW	Barracks	1967	2197712
N	219m SW	Barracks	1955	2197712
D	227m E	Coastguard Station	1865	2165240
N	235m SW	Barracks	1865	2236914
P	249m W	Unspecified Tank	1979	2237845
P	249m W	Unspecified Tank	1973	2237845
Q	250m W	Chimney	1967	2249925
Q	250m W	Chimney	1979	2249925
Q	250m W	Chimney	1973	2249925
R	255m W	Barracks	1907	2205056
R	275m W	Barracks	1990	2258556



ID	Location	Land Use	Date	Group ID
R	275m W	Barracks	1967	2258556
R	275m W	Barracks	1979	2258556
R	275m W	Barracks	1973	2258556
R	275m W	Barracks	1955	2258556
5	276m N	Unspecified Commercial/Industrial	1938	2168851
O	278m SW	Unspecified Tank	1938	2288851
O	278m SW	Unspecified Tank	1933	2288851
S	278m N	Dock	1973	2227896
T	278m W	Dock Yard	1979	2224686
T	278m W	Dock Yard	1973	2224686
O	279m SW	Unspecified Tanks	1938	2144342
U	279m S	Brick Field	1865	2282823
S	280m N	Dock	1979	2206883
V	287m N	Unspecified Tank	1938	2280379
V	287m N	Unspecified Tank	1933	2280379
V	287m N	Unspecified Tank	1938	2280379
O	289m SW	Unspecified Tank	1938	2294923
O	289m SW	Unspecified Tank	1933	2294923
O	295m SW	Unspecified Tank	1938	2197060
O	295m SW	Unspecified Tank	1933	2197060
O	306m SW	Unspecified Tank	1938	2259459
O	306m SW	Unspecified Tank	1933	2259459
W	307m W	Unspecified Commercial/Industrial	1967	2202178
W	307m W	Unspecified Commercial/Industrial	1979	2202178
W	307m W	Unspecified Commercial/Industrial	1973	2202178
X	315m SE	Railway Sidings	1907	2224626
X	315m SE	Railway Sidings	1896	2224626
U	320m SE	Unspecified Ground Workings	1865	2134571



ID	Location	Land Use	Date	Group ID
X	321m SE	Brick Field	1865	2146761
V	324m N	Unspecified Tank	1979	2247259
V	324m N	Unspecified Tank	1973	2247259
V	325m N	Unspecified Tank	1979	2201536
V	325m N	Unspecified Tank	1973	2201536
X	337m SE	Clay Mill	1865	2166688
Z	359m E	Unspecified Commercial/Industrial	1990	2260355
Z	359m E	Unspecified Commercial/Industrial	1979	2190131
AA	369m E	Chemical Works	1938	2290691
AA	369m E	Chemical Works	1933	2290691
6	373m N	Railway Sidings	1975	2276774
8	386m N	Railway Sidings	1975	2191057
AB	388m E	Unspecified Depot	1955	2287963
AB	390m SE	Unspecified Depot	1990	2256428
AB	390m SE	Unspecified Depot	1967	2256428
AB	390m SE	Unspecified Depot	1979	2256428
AB	390m SE	Unspecified Depot	1973	2256428
AC	391m SW	Unspecified Heap	1990	2233797
AC	391m SW	Unspecified Heap	1967	2233797
AC	391m SW	Unspecified Heap	1979	2233797
AC	391m SW	Unspecified Heap	1973	2233797
AC	392m SW	Unspecified Heap	1955	2267619
U	405m S	Crushing Mill	1865	2140963
X	406m SE	Clay Pit	1865	2158162
AD	406m E	Unspecified Depot	1967	2171106
AD	406m E	Unspecified Commercial/Industrial	1979	2254150
AD	406m E	Unspecified Commercial/Industrial	1973	2254150
AD	406m E	Unspecified Depot	1955	2171106



ID	Location	Land Use	Date	Group ID
Z	410m E	Unspecified Wharf	1938	2189680
Z	410m E	Unspecified Wharf	1938	2189680
Z	410m E	Unspecified Commercial/Industrial	1990	2182146
Z	410m E	Unspecified Commercial/Industrial	1979	2184082
Z	410m E	Unspecified Wharf	1938	2228844
Z	412m E	Unspecified Wharf	1933	2242293
Z	414m E	Dock	1955	2277791
X	415m SE	Unspecified Pit	1865	2126372
9	423m S	Brick Field	1865	2146760
R	436m W	Field Works Depot	1865	2166592
Z	436m E	Unspecified Tank	1938	2287927
Z	436m E	Unspecified Tank	1933	2287927
Z	437m E	Unspecified Tanks	1938	2221100
10	437m S	Brick Field	1865	2282823
Z	437m E	Unspecified Tanks	1967	2277039
Z	437m E	Unspecified Tanks	1973	2277039
AD	443m E	Chemical Works	1938	2251959
Z	444m E	Unspecified Tank	1938	2237040
Z	444m E	Unspecified Tank	1933	2237040
AH	445m SE	Unspecified Heap	1907	2250121
11	448m SW	Industrial Training Centre	1967	2143436
12	455m NW	Railway Sidings	1938	2286372
AH	460m SE	Cuttings	1896	2129999
AA	465m SE	Unspecified Works	1990	2175573
AA	465m SE	Unspecified Works	1967	2175573
AA	465m SE	Unspecified Works	1979	2175573
AA	465m SE	Unspecified Works	1973	2175573
AA	465m SE	Unspecified Works	1955	2175573



ID	Location	Land Use	Date	Group ID
14	483m W	Engineering Training Centre	1990	2142684
AH	494m SE	Unspecified Heap	1933	2213080

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

21

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

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
I	33m W	Unspecified Tank	1987	369417
J	128m W	Unspecified Tank	1953	402290
J	129m W	Unspecified Tank	1953	402533
J	131m W	Unspecified Tank	1932	403022
V	286m N	Unspecified Tank	1932	369414
V	295m N	Tanks	1967	378065
Y	346m W	Unspecified Tank	1995	386774
Y	346m W	Unspecified Tank	1994	386774
Y	346m W	Unspecified Tank	1996	386774
7	385m N	Unspecified Tank	1992	369402
Z	438m E	Unspecified Tank	1982	369415
Z	441m E	Tanks	1965	400454
Z	441m E	Tanks	1967	400454
Z	455m E	Tanks	1953	386537
Z	456m E	Tanks	1953	386537
13	462m NW	Unspecified Tank	1984	369413
R	466m W	Unspecified Tank	1867	369412
AA	497m E	Unspecified Tank	1967	369352



ID	Location	Land Use	Date	Group ID
AJ	498m SE	Unspecified Tank	1953	399483
AJ	498m SE	Unspecified Tank	1967	399483
AJ	498m SE	Unspecified Tank	1953	399483

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

31

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

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
L	128m SW	Electricity Substation	1953	290943
L	128m SW	Electricity Substation	1953	290943
4	273m S	Electricity Substation	1995	247562
S	343m N	Electricity Substation	1987	247561
X	384m SE	Electricity Substation	1985	247580
X	389m SE	Electricity Substation	1953	268648
X	389m SE	Electricity Substation	1953	268648
H	391m W	Electricity Substations	1995	261679
H	391m W	Electricity Substations	1994	261679
H	392m W	Electricity Substations	1996	289080
Z	405m E	Electricity Substation	1982	247579
H	407m W	Electricity Substations	1996	260587
AE	411m NW	Electricity Substation	1995	289827
AE	411m NW	Electricity Substation	1994	289827
AE	411m NW	Electricity Substation	1996	289827
AF	425m S	Electricity Substation	1994	291129
AF	425m S	Electricity Substation	1995	291129



ID	Location	Land Use	Date	Group ID
AF	425m S	Electricity Substation	1986	291129
AF	425m S	Electricity Substation	1953	269345
AF	426m S	Electricity Substation	1953	269345
N	428m SW	Electricity Substation	1996	263739
N	428m SW	Electricity Substation	1991	263739
N	429m SW	Electricity Substation	1970	263739
Z	432m E	Electricity Substation	1982	273251
AG	433m SW	Electricity Substation	1970	275606
AG	433m SW	Electricity Substation	1991	275606
AG	434m SW	Electricity Substation	1996	275606
Z	435m E	Electricity Substation	1953	273251
Z	436m E	Electricity Substations	1953	250103
AI	494m SW	Electricity Substation	1994	286671
AI	494m SW	Electricity Substation	1995	286671

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

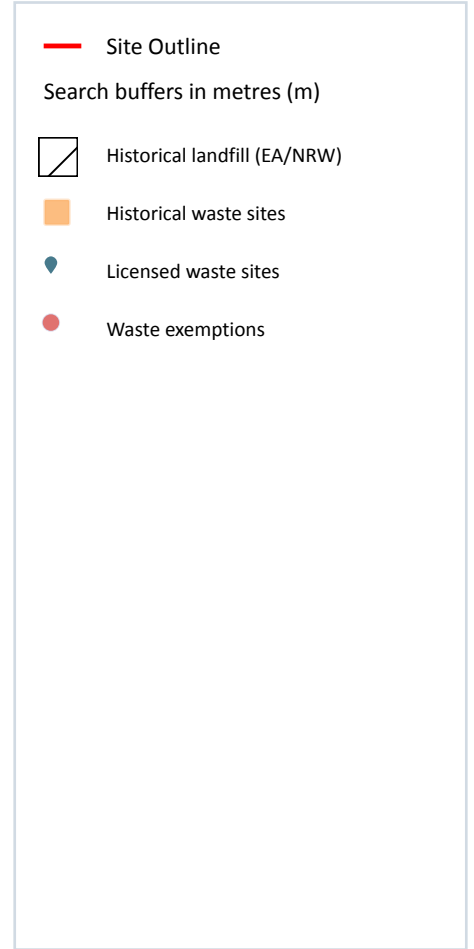
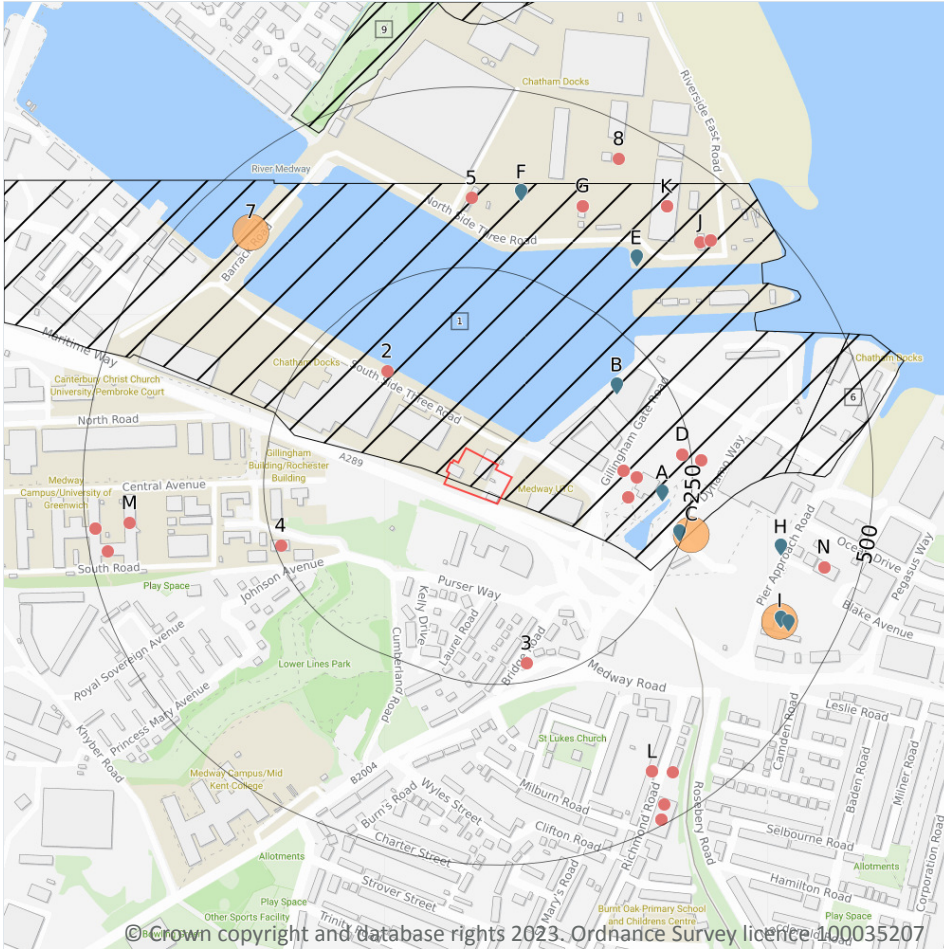
0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	3
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Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 31 >](#)

ID	Location	Details		
1	On site	Site Address: Chatham Maritim, Gillingham Licence Holder Address: -	Waste Licence: Yes Site Reference: G4 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -
6	378m E	Site Address: Gillingham Pier, Gillingham, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: G1, DO6 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: - Licence Holder: Borough Council First Recorded: - Last Recorded: -
9	481m NW	Site Address: Land off Island Way East, St Marys Island, Medway Licence Holder Address: -	Waste Licence: - Site Reference: G43 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -

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



3.5 Historical waste sites

Records within 500m

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 31 >](#)

ID	Location	Address	Further Details	Date
C	235m E	Site Address: Pier Approach Road, GILLINGHAM, Kent, ME7 1RX	Type of Site: Waste Transfer Station Planning application reference: 95/0620/48/0144GL Description: Comprises the improvement of existing waste transfer buildings. Scheme comprises the improvement to existing buildings to allow for transfer of short term waste from outdoor to under cover. This will also include demolition of existing concrete block walls to hold waste products. An application (ref: 95/0620/48/0144GL) for Detailed Planning permission was submitted to Medway C.C. on 11th September 1995. Data source: Historic Planning Application Data Type: Point	-
I	395m SE	Site Address: Pier Approach Road, GILLINGHAM, Kent, ME7 1RX	Type of Site: Waste Transfer Station Planning application reference: MC2002/2232 Description: Scheme comprises refurbishment of waste transfer station. Associated works includes service engineering. Construction - internal partitions walls; external, internal refurbishment. An application (ref: MC2002/2232) for Detailed Planning permission was granted by Medway C.C. This will be retendered. We are advised that this project has now been cancelled and the site is being sold. Data source: Historic Planning Application Data Type: Point	-
7	396m NW	Site Address: Mobile Compactors Services Ltd, Chatham Docks, Gillingham Gate, Chatham, Kent, ME4 4SW	Type of Site: Waste Transfer Station (Conversion) Planning application reference: MC/14/3433 Description: Scheme comprises change of use from warehouse to waste transfer station. Data source: Historic Planning Application Data Type: Point	19/06/2015

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



3.6 Licensed waste sites

Records within 500m

21

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

 Features are displayed on the Waste and landfill map on [page 31](#) >

ID	Location	Details		
B	192m NE	Site Name: Berth 1 Chatham Dock Site Address: Berth 1, Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LON251 EPR reference: EA/EPR/JP3398VA/S002 Operator: Eastwood Gary Waste Management licence No: 101747 Annual Tonnage: 0	Issue Date: 22/03/2011 Effective Date: - Modified: - Surrendered Date: Jun 23 2015 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
B	192m NE	Site Name: Berth 1 Chatham Dock Site Address: Gary Eastwood, Chatham Docks, Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 628468 EPR reference: EA/EPR/JP3398VA Operator: Gary Eastwood Waste Management licence No: 101747 Annual Tonnage: 0	Issue Date: 22/03/2011 Effective Date: 22/03/2011 Modified: - Surrendered Date: 22/03/2011 Expiry Date: - Cancelled Date: 22/03/2011 Status: Surrendered
A	208m E	Site Name: Berth 4 Site Address: London & Kent Metals Limited, Chatham Dock, Chatham Dock, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: 75kte Metal Recycling Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 657258 EPR reference: EA/EPR/DB3000HF Operator: London & Kent Metals Limited Waste Management licence No: 402429 Annual Tonnage: 0	Issue Date: 14/09/2015 Effective Date: 14/09/2015 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 14/09/2015 Status: Surrendered



ID	Location	Details		
C	244m E	Site Name: Trailer Park Site Address: Trailer Park, Chatham Export Terminal, Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: Arnold House, Blackburn Road, Rotherham, South Yorks, S61 2DW	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EAS016 EPR reference: - Operator: Van Dalen Uk Limited Waste Management licence No: 10072 Annual Tonnage: 240000	Issue Date: 02/09/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	244m E	Site Name: Trailer Park Metal Recycling Site And Export Facility Site Address: Chatham Export Terminal, Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EAS016 EPR reference: EA/EPR/CP3495HW/S003 Operator: Van Dalen U K Ltd Waste Management licence No: 10072 Annual Tonnage: 0	Issue Date: 02/09/2004 Effective Date: - Modified: 29/12/2011 Surrendered Date: Sep 27 2013 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
C	244m E	Site Name: Trailer Park Metal Recycling Site And Export Facility Site Address: Van Dalen Uk Limited, Chatham Docks, Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 644634 EPR reference: EA/EPR/CP3495HW Operator: Van Dalen Uk Limited Waste Management licence No: 10072 Annual Tonnage: 0	Issue Date: 02/09/2004 Effective Date: 02/09/2004 Modified: - Surrendered Date: 02/09/2004 Expiry Date: - Cancelled Date: 02/09/2004 Status: Surrendered
E	343m NE	Site Name: Chatham Freight Station Ltd Site Address: Building 63, Chatham Docks, Gillingham, Kent, ME4 4SR Correspondence Address: -	Type of Site: Physical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CHA002 EPR reference: EA/EPR/FB3707HW/A001 Operator: Chatham Freight Station Ltd Waste Management licence No: 404446 Annual Tonnage: 24999.999	Issue Date: 14/05/2018 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
E	343m NE	Site Name: Chatham Freight Station Ltd Site Address: Chatham Freight Station Limited, Building 63, Chatham Docks, Gillingham, Kent, ME4 4SR Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 634274 EPR reference: EA/EPR/FB3707HW Operator: Chatham Freight Station Limited Waste Management licence No: 404446 Annual Tonnage: 25000	Issue Date: 14/05/2018 Effective Date: 14/05/2018 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 14/05/2018 Status: Issued
F	361m N	Site Name: Chatham Docks Transfer Station Site Address: Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: Inert & Excavation WTS Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POR072 EPR reference: EA/EPR/GP3295LY/A001 Operator: Port Of Sheerness Limited Waste Management licence No: 101490 Annual Tonnage: 250000	Issue Date: 24/05/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
F	361m N	Site Name: Chatham Docks Transfer Station Site Address: Flagstaff House, Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POR073 EPR reference: EA/EPR/KP3598VQ/A001 Operator: Port of Sheerness Ltd Waste Management licence No: 101825 Annual Tonnage: 74999	Issue Date: 20/08/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
F	361m N	Site Name: Chatham Docks Transfer Station Site Address: Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: Inert & Excavation WTS Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POR072 EPR reference: EA/EPR/GP3295LY/A001 Operator: Port of Sheerness Ltd Waste Management licence No: 101490 Annual Tonnage: 250000	Issue Date: 24/05/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
F	361m N	Site Name: Chatham Docks Transfer Station Site Address: Port Of Sheerness Limited, Flagstaff House, Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 657286 EPR reference: EA/EPR/KP3598VQ Operator: Port Of Sheerness Limited Waste Management licence No: 101825 Annual Tonnage: 74999	Issue Date: 20/08/2010 Effective Date: 20/08/2010 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 20/08/2010 Status: Issued
F	361m N	Site Name: Chatham Docks Transfer Station Site Address: Port Of Sheerness Limited, Chatham Docks, Chatham Docks, Chatham, Kent, ME4 4SW Correspondence Address: -	Type of Site: Inert & Excavation WTS Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 640718 EPR reference: EA/EPR/GP3295LY Operator: Port Of Sheerness Limited Waste Management licence No: 101490 Annual Tonnage: 250000	Issue Date: 24/05/2010 Effective Date: 24/05/2010 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 24/05/2010 Status: Issued
H	384m E	Site Name: Akzo Chemicals Limited Site Address: Pier Road, Gillingham, Kent, ME17 1RL Correspondence Address: Pier Road, Gillingham, Kent, ME17 1RL	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AKZ001 EPR reference: - Operator: Akzo Nobel Chemicals Limited Waste Management licence No: 10028 Annual Tonnage: 0	Issue Date: 28/06/2000 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
H	384m E	Site Name: Akzo Chemicals Limited Site Address: Nouryon Chemicals Limited, Pier Road, Gillingham, Kent, ME17 1RL Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 632360 EPR reference: EA/EPR/TP3795HV Operator: Nouryon Chemicals Limited Waste Management licence No: 10028 Annual Tonnage: 391	Issue Date: 28/06/2000 Effective Date: 28/06/2000 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 28/06/2000 Status: Surrendered
I	420m SE	Site Name: S I T A Uk Limited Site Address: Pier Approach Road, Gillingham, Kent, ME7 1RX Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT001 EPR reference: - Operator: S I T A Uk Limited Waste Management licence No: 19417 Annual Tonnage: 0	Issue Date: 21/05/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	420m SE	Site Name: S I T A (G B) Limited Site Address: Pier Approach Road, Gillingham, Kent, ME7 1RX Correspondence Address: The Drive, Warley, Brentwood, Essex, CM13 3BF	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CLE133 EPR reference: - Operator: Cleanaway Ltd Waste Management licence No: 19417 Annual Tonnage: 0	Issue Date: 21/05/1996 Effective Date: 21/08/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
I	420m SE	Site Name: Cleanaway Pier Approach Rd Site Address: Cleanaway, Pier Approach Road, Gillingham, Kent, ME7 1RX Correspondence Address: Airborne Close, Arterial Rd, Leigh-on-sea, Essex, SS9 4EL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CLE187 EPR reference: - Operator: Veolia E S Cleanaway (uk) Ltd Waste Management licence No: 19417 Annual Tonnage: 22925	Issue Date: 21/05/1996 Effective Date: 20/08/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
I	420m SE	Site Name: Cleanaway Pier Approach Rd Site Address: Pier Approach Road, Gillingham, Kent, ME7 1RX Correspondence Address: Airborne Close, Arterial Rd, Leigh-on-sea, Essex, SS9 4EL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CLE187 EPR reference: - Operator: Cleanaway Ltd Waste Management licence No: 19417 Annual Tonnage: 22925	Issue Date: 21/05/1996 Effective Date: 20/08/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
I	420m SE	Site Name: Medway Transfer Station Site Address: Veolia Es Cleanaway (Uk) Limited, Medway Transfer Station, Pier Approach Road, Gillingham, Kent, ME7 1RX Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 648760 EPR reference: EA/EPR/FP3798HK Operator: Veolia Es Cleanaway (Uk) Limited Waste Management licence No: 19417 Annual Tonnage: 0	Issue Date: 21/05/1996 Effective Date: 21/05/1996 Modified: - Surrendered Date: 21/05/1996 Expiry Date: - Cancelled Date: 21/05/1996 Status: Surrendered
I	432m SE	Site Name: Medway Norse Site Address: Medway Norse Limited, Medway Norse, Pier Approach Road, Gillingham, Kent, ME17 1RT Correspondence Address: -	Type of Site: HCI Waste TS (no building) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 625584 EPR reference: EA/EPR/GB3706MY Operator: Medway Norse Limited Waste Management licence No: 405743 Annual Tonnage: 4999	Issue Date: 06/08/2019 Effective Date: 06/08/2019 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 06/08/2019 Status: Issued

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

3.7 Waste exemptions

Records within 500m

48

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 31 >](#)



ID	Location	Site	Reference	Category	Sub-Category	Description
2	153m NW	Dockside south side three road Kent ME4 4HZ	EPR/KF0509GS /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
A	154m E	John Sisk & Son Ltd. Site Office Chatham Waters Development Gillingham Gate Road Chatham KENT ME4 4SW	EPR/PF0237EJ /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
A	154m E	John Sisk & Son Ltd. Site Office Chatham Waters Development Gillingham Gate Road Chatham KENT ME4 4SW	EPR/PF0237EJ /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
A	154m E	John Sisk & Son Ltd. Site Office Chatham Waters Development Gillingham Gate Road Chatham KENT ME4 4SW	EPR/PF0237EJ /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste for a specified purpose
A	163m E	Public Realm Chatham Docks Chatham Kent ME4 4SW	EPR/VF0402BV /A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste
A	163m E	Public Realm Chatham Docks Chatham Kent ME4 4SW	EPR/VF0402BV /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
A	172m E	-	WEX088791	Treating waste exemption	Not on a farm	Screening and blending of waste
A	172m E	-	WEX088791	Using waste exemption	Not on a farm	Use of waste in construction
3	225m S	New Lidl Store, Medway Road, Gillingham, ME7 1NL	WEX329761	Using waste exemption	Not on a farm	Use of waste in construction
D	238m E	-	WEX088768	Treating waste exemption	Not on a farm	Screening and blending of waste
D	238m E	-	WEX088768	Using waste exemption	Not on a farm	Use of waste in construction
4	242m W	Dockside, South Side Three Road, Chatham Docks, Chatham, ME4 4HZ	WEX127221	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	263m E	John Sisk & Son (Holdings) Ltd Chatham Docks Chatham Kent ME4 4SW	EPR/XF0132W C/A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste



ID	Location	Site	Reference	Category	Sub-Category	Description
D	263m E	John Sisk & Son (Holdings) Ltd Chatham Docks Chatham Kent ME4 4SW	EPR/XF0132W C/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
5	346m N	Berth 6, Basin 3, Chatham Dockyards, Gillingham, Kent, ME4 4SR	WEX236873	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	371m N	-	WEX244109	Using waste exemption	Not on a farm	Use of waste in construction
G	371m N	-	WEX244109	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	371m N	-	WEX244109	Disposing of waste exemption	Not on a farm	Burning waste in the open
J	416m NE	Building 62, Chatham Docks Gillingham Gate Chatham Kent ME44SW	EPR/RF0105H A/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
K	426m NE	Chatham Freight Station Limited, Berth 6, Basin 3, Chatham Dockyard., Gillingham, ME4 4SR	WEX092372	Storing waste exemption	Not on a farm	Storage of waste in a secure place
K	426m NE	Chatham Freight Station Limited, Berth 6, Basin 3, Chatham Dockyard., Gillingham, ME4 4SR	WEX092372	Treating waste exemption	Not on a farm	Recovery of scrap metal
K	426m NE	Chatham Freight Station Ltd, Chatham Dockyard, Gillingham, ME4 4SR	WEX093984	Treating waste exemption	Not on a farm	Manual treatment of waste
K	426m NE	Chatham Freight Station Limited, Berth 6, Basin 3, Chatham Dockyard., Gillingham, ME4 4SR	WEX092372	Treating waste exemption	Not on a farm	Recovery of textiles
K	426m NE	Chatham Freight Station Limited, Berth 6, Basin 3, Chatham Dockyard., Gillingham, ME4 4SR	WEX092372	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
K	426m NE	Berth 6 Basin 3 Gillingham Kent ME4 4SR	EPR/UF0008F Q/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
K	426m NE	Basin 3 Chatham Docks Chatham Kent ME4 4SW	EPR/UF0208FL /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal



ID	Location	Site	Reference	Category	Sub-Category	Description
J	427m NE	63 Chatham Docks, Chatham, kent, chatham, me4 4sr	WEX126315	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	427m NE	63 Chatham Docks, Chatham, kent, chatham, me4 4sr	WEX126315	Treating waste exemption	Not on a farm	Manual treatment of waste
J	427m NE	63 Chatham Docks, Chatham, kent, chatham, me4 4sr	WEX126315	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
L	428m SE	Delmergate Ltd, 105 Richmond Road, Gillingham, ME7 1LX	WEX040692	Storing waste exemption	Not on a farm	Storage of waste in secure containers
L	428m SE	Delmergate Ltd, 105 Richmond Road, Gillingham, ME7 1LX	WEX040692	Storing waste exemption	Not on a farm	Storage of waste in a secure place
M	439m W	University of Greenwich Central Avenue Chatham Kent ME4 4TB	EPR/UF0206W V/A001	Disposing of waste exemption	Non-Agricultural Waste Only	Depositing samples of waste for the purposes of testing or analysing them
L	444m SE	105 Richmond Road Gillingham Kent ME7 1LX	EPR/YH0775R H/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
N	449m E	PIER APPROACH ROAD, GILLINGHAM, ME7 1RX	WEX143698	Storing waste exemption	Not on a farm	Storage of waste in secure containers
N	449m E	PIER APPROACH ROAD, GILLINGHAM, ME7 1RX	WEX143698	Storing waste exemption	Not on a farm	Storage of waste in a secure place
N	449m E	PIER APPROACH ROAD, GILLINGHAM, ME7 1RX	WEX283985	Storing waste exemption	Not on a farm	Storage of waste in secure containers
N	449m E	PIER APPROACH ROAD, GILLINGHAM, ME7 1RX	WEX283985	Storing waste exemption	Not on a farm	Storage of waste in a secure place
8	452m NE	Medway UTC Chatham Docks CHATHAM Kent ME4 4SR	EPR/UE5245XJ /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
M	475m W	University of Greenwich Central Avenue Chatham Kent ME4 4TB	EPR/MF0701P B/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
L	477m SE	Sunlight Centre 105 Richmond Road GILLINGHAM Kent ME7 1LX	EPR/FE5246CC /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal

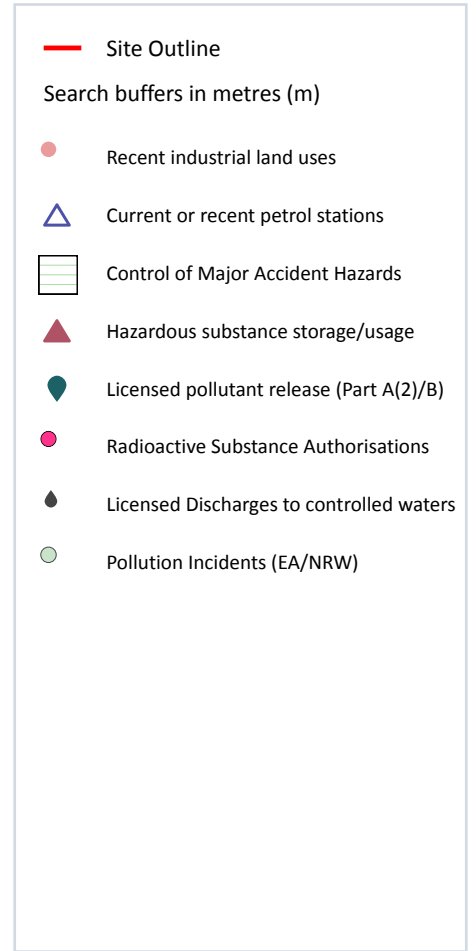
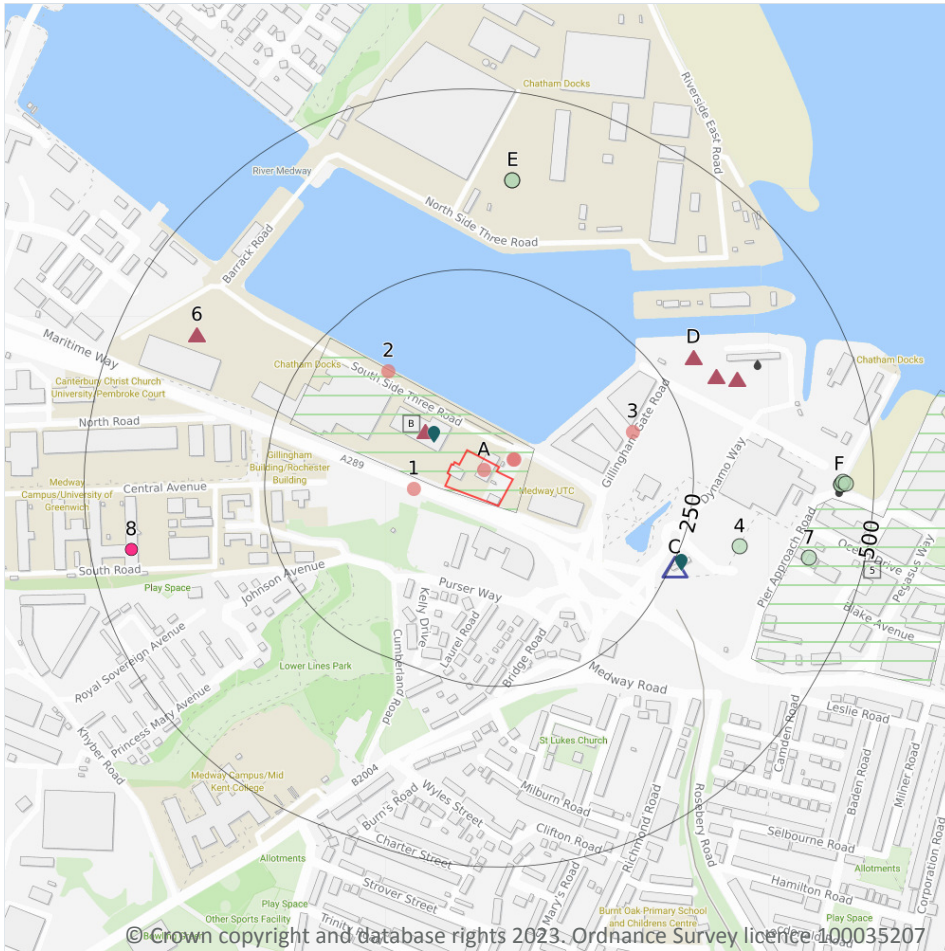


ID	Location	Site	Reference	Category	Sub-Category	Description
M	488m W	CENTRAL AVENUE, CHATHAM, ME4 4TB	WEX160202	Disposing of waste exemption	Not on a Farm	Depositing samples of waste for the purposes of testing or analysing them
M	488m W	CENTRAL AVENUE, CHATHAM, ME4 4TB	WEX298118	Disposing of waste exemption	Not on a Farm	Depositing samples of waste for the purposes of testing or analysing them
M	488m W	CENTRAL AVENUE, CHATHAM, ME4 4TB	WEX300963	Disposing of waste exemption	Not on a Farm	Depositing samples of waste for the purposes of testing or analysing them
L	493m SE	105, RICHMOND ROAD, GILLINGHAM, ME7 1LX	WEX193976	Storing waste exemption	Not on a farm	Storage of waste in secure containers
L	493m SE	105, RICHMOND ROAD, GILLINGHAM, ME7 1LX	WEX193976	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	493m SE	105, RICHMOND ROAD, GILLINGHAM, ME7 1LX	WEX321828	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	493m SE	105, RICHMOND ROAD, GILLINGHAM, ME7 1LX	WEX321828	Storing waste exemption	Not on a farm	Storage of waste in secure containers
L	493m SE	Delmergate Limited, Sunlight centre, 105 Richmond road, Gillingham, ME7 1LX	WEX281970	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m 6

Current potentially contaminative industrial sites.

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

ID	Location	Company	Address	Activity	Category
A	On site	Total Ship Services Ltd	Unit 35, South Side Three Road, Chatham Docks, Gillingham, Kent, ME4 4SR	Container and Storage	Transport, Storage and Delivery
A	22m NE	Pier Rigging & Testing Ltd	Unit 34, South Side Three Road, Chatham Docks, Gillingham, Kent, ME4 4SW	Lifting and Handling Equipment	Industrial Products

ID	Location	Company	Address	Activity	Category
A	24m NE	Electricity Sub Station	Kent, ME4	Electrical Features	Infrastructure and Facilities
1	44m W	Gantry	Kent, ME7	Travelling Cranes and Gantries	Industrial Features
2	155m NW	Travelling Crane	Kent, ME4	Travelling Cranes and Gantries	Industrial Features
3	178m E	Gas Governor	Kent, ME4	Gas Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

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

ID	Location	Company	Address	LPG	Status
C	255m SE	ASDA	Pier Road, Dynamo Way, Gillingham, Medway, ME7 1RZ	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

2

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 44 >](#)

ID	Location	Company	Address	Operational status	Tier
B	On site	Maxigas(T/A KSC Gas Supplies Ltd)	Maxigas (T/A KSC Gas Supplies Ltd), South Side 3, Chatham Docks, Chatham	Historical NIHHS Site	-
5	394m SE	Akzo Nobel Chemicals Ltd	Akzo Nobel Chemicals Ltd, Pier Road, Gillingham, ME7 1RL	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

5

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 44 >](#)



ID	Location	Details	
B	58m NW	Application reference number: No Details Application status: Approved Application date: No Details Address: Flogas UK Ltd, South Side 3, Chatham Dock Yard, Chatham, Kent, England, ME7 1NE	Details: No Details Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
D	301m NE	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: Medway Ports Authority, Medway Ports Anchorages, Medway Port, Medway, Kent, England	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
D	315m NE	Application reference number: MC/08/0599 Application status: Refused Application date: 12/03/2008 Address: Arcelor Mittal Kent Wire Ltd, Chatham Docks, Chatham Medway, ME4 4SW	Details: Storage 2500 tonnes of Ammonium Nitrate Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
D	339m E	Application reference number: MC/08/0599 Application status: Refused Application date: 03/04/2008 Address: Arcelor Mittal Kent Wire Ltd, Chatham Docks, Chatham, Medway, ME4 4SW	Details: Hazardous substance consent application for the storage of 2500 tonnes of ammonium nitrate Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
6	395m NW	Application reference number: MC/12/1418 Application status: Withdrawn Application date: 24/08/2012 Address: Chatham Segment Factory, Chatham Docks, Kent, ME4 4TE	Details: Hazardous substance consent application for the storage of 50m3 of LNG 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

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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



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

Records within 500m

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 44](#) >

ID	Location	Address	Details	
B	48m NW	Aggregate Industries UK Ltd (formerly Paragon Materials), Maritime House, Chatham Docks, ME4 4SR	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	259m E	ASDA Chatham Docks Service Station, Pier Road, Chatham, Kent ME7 1RZ	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit 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

1

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

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

ID	Location	Address	Details	
8	443m W	Natural Resources Institute, Central Avenue, Chatham Maritime, Chatham, Kent, ME4 4TB	Operator: Natural Resources Institute Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AT2730 Date of approval: 03/10/1995	Effective from: 03/10/1995 Last date of update: 01/01/2015 Status: Revoked/cancelled

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



4.13 Licensed Discharges to controlled waters

Records within 500m

11

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

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

ID	Location	Address	Details	
D	373m E	MITTAL STEEL KENT WIRE LTD, CHATHAM, PREMISES AT MITTAL STEEL KENT, WIRE LTD, CHATHAM DOCKS, CHATHAM, KENT, ME4 4SW	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: P20869 Permit Version: 1 Receiving Water: TRIBUTARY OF MEDWAY ESTUARY	Status: SURRENDERED UNDER EPR 2010 Issue date: 15/05/2006 Effective Date: 15/05/2006 Revocation Date: 08/07/2011
F	451m E	PIER APPROACH 1, PIER APPROACH 1, GILLINGHAM, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: D00100 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 01/04/1991 Effective Date: 01/04/1991 Revocation Date: 20/09/1999
F	451m E	PIER APPROACH 2, PIER APPROACH 2, GILLINGHAM KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: D00101 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 01/04/1991 Effective Date: 01/04/1991 Revocation Date: 31/01/2003
F	451m E	PIER ROAD GILLINGHAM NO.1 CSO, PIER ROAD, GILLINGHAM, KENT, ME7 1RZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: A00139 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/09/1999 Effective Date: 20/09/1999 Revocation Date: 12/10/2016
F	451m E	PIER APPROACH 2, PIER APPROACH 2, GILLINGHAM KENT	Effluent Type: UNSPECIFIED Permit Number: D00101 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 01/04/1991 Effective Date: 01/04/1991 Revocation Date: 31/01/2003
F	451m E	PIER APPROACH 1, PIER APPROACH 1, GILLINGHAM, KENT	Effluent Type: UNSPECIFIED Permit Number: D00100 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 01/04/1991 Effective Date: 01/04/1991 Revocation Date: 20/09/1999



ID	Location	Address	Details	
F	451m E	PIER ROAD GILLINGHAM NO.1 CSO, PIER ROAD, GILLINGHAM, KENT, ME7 1RZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: A00139 Permit Version: 2 Receiving Water: GILLINGHAM REACH/ MEDWAY EST	Status: VARIED UNDER EPR 2010 Issue date: 13/10/2016 Effective Date: 13/10/2016 Revocation Date: -
F	451m E	ST MARYS ROAD GILLINGHAM CSO, ST MARYS ROAD, GILLINGHAM, KENT, ME7 1JJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: EPRDB3797RH Permit Version: 1 Receiving Water: GILLINGHAM REACH/ MEDWAY EST	Status: VARIED UNDER EPR 2010 Issue date: 13/10/2016 Effective Date: 13/10/2016 Revocation Date: -
F	452m E	PIER ROAD GILLINGHAM NO.1 CSO, PIER ROAD, GILLINGHAM, KENT, ME7 1RZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: A01235 Permit Version: 4 Receiving Water: MEDWAY ESTUARY	Status: VARIED UNDER EPR 2010 Issue date: 08/04/2022 Effective Date: 08/04/2022 Revocation Date: -
F	456m E	PIER ROAD GILLINGHAM NO.1 CSO, PIER ROAD, GILLINGHAM, KENT, ME7 1RZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: A01235 Permit Version: 3 Receiving Water: THE MEDWAY ESTUARY	Status: VARIED UNDER EPR 2010 Issue date: 30/11/2010 Effective Date: 30/11/2010 Revocation Date: 07/04/2022
F	456m E	PIER ROAD GILLINGHAM NO.1 CSO, PIER ROAD, GILLINGHAM, KENT, ME7 1RZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: A01235 Permit Version: 2 Receiving Water: THE MEDWAY ESTUARY	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2010 Effective Date: 31/03/2010 Revocation Date: 29/11/2010

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

8

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

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

ID	Location	Details	
4	327m E	Incident Date: 10/09/2002 Incident Identification: 106860 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	379m N	Incident Date: 25/09/2011 Incident Identification: 925752 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 1 (Major)

ID	Location	Details	
E	379m N	Incident Date: 25/09/2011 Incident Identification: 925752 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 1 (Major)
7	423m E	Incident Date: 13/09/2003 Incident Identification: 189629 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	454m E	Incident Date: 17/02/2003 Incident Identification: 137359 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	454m E	Incident Date: 17/02/2003 Incident Identification: 137359 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	456m E	Incident Date: 01/04/2003 Incident Identification: 147667 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	460m E	Incident Date: 02/05/2003 Incident Identification: 155599 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) 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

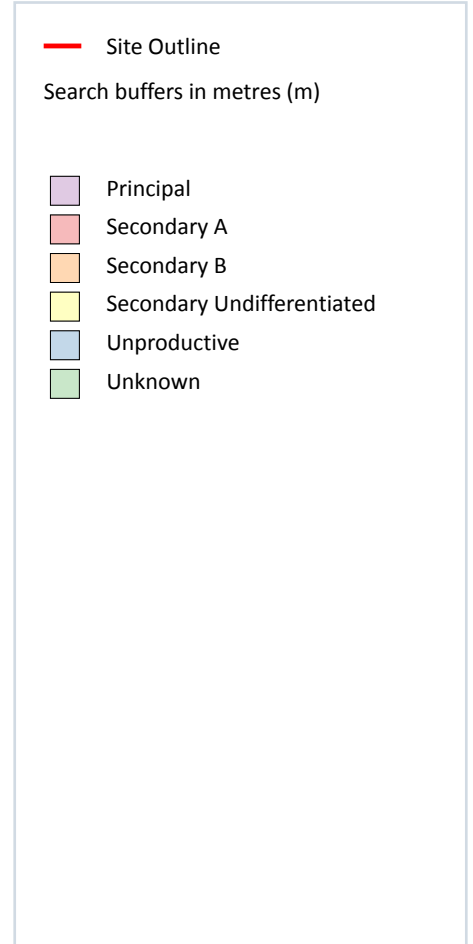
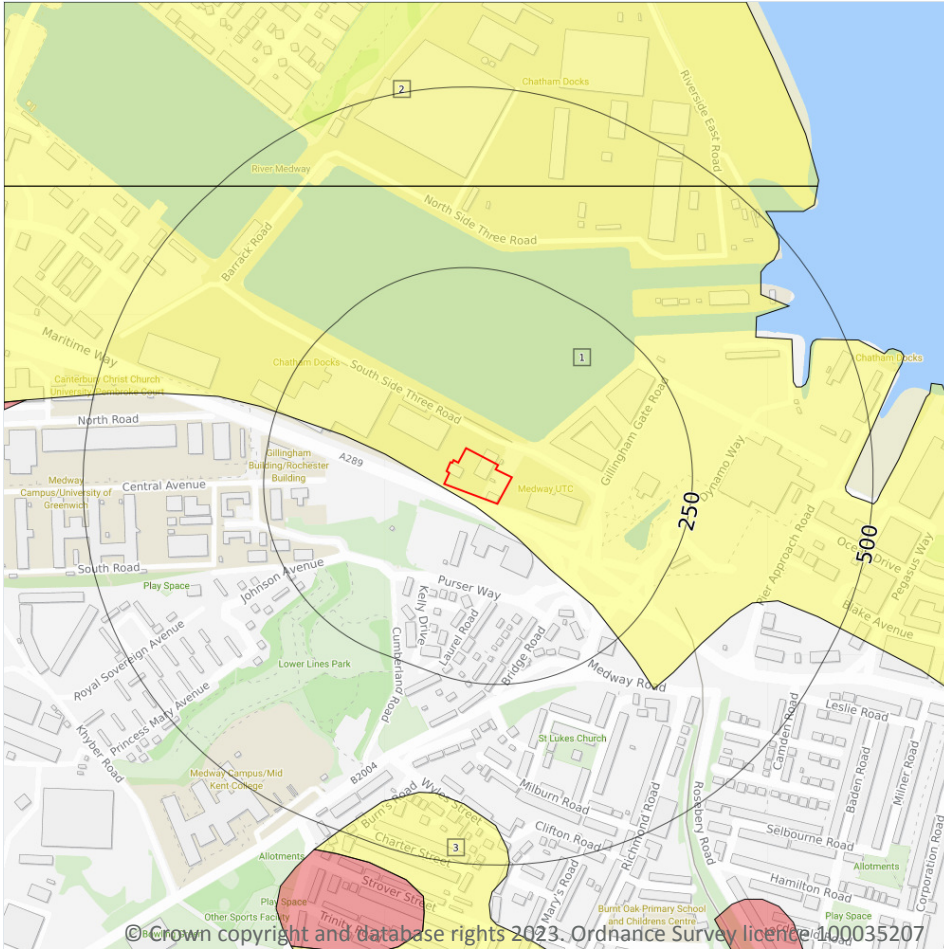
0

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

3

Aquifer status of groundwater held within superficial geology.

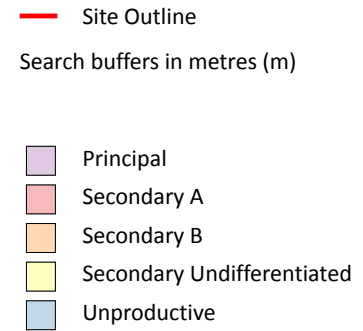
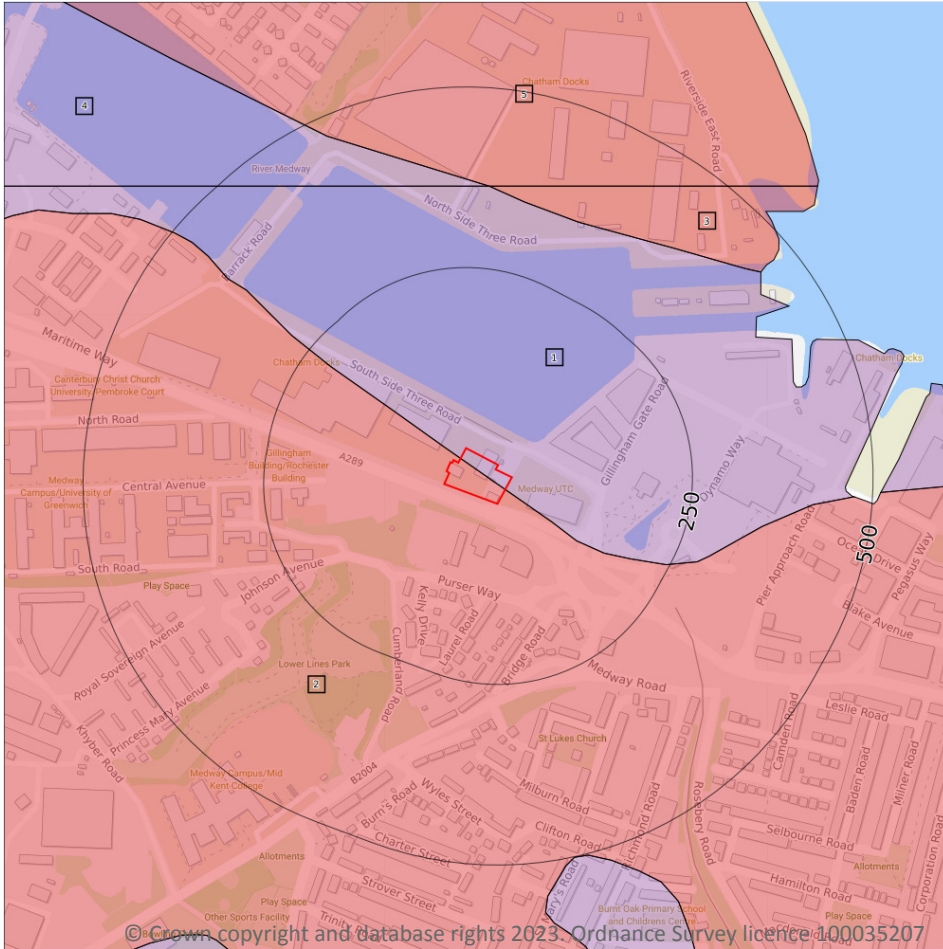
Features are displayed on the Hydrogeology map on [page 54 >](#)

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	363m N	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

ID	Location	Designation	Description
3	409m S	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

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

5

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 56](#) >

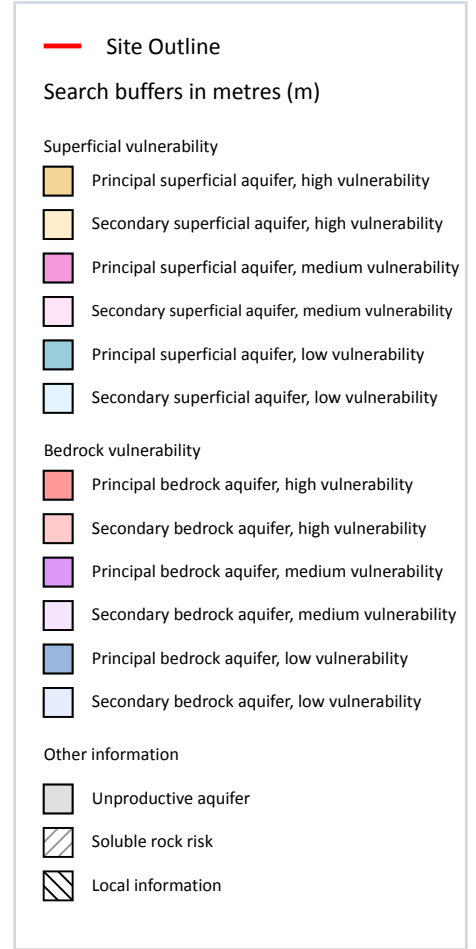
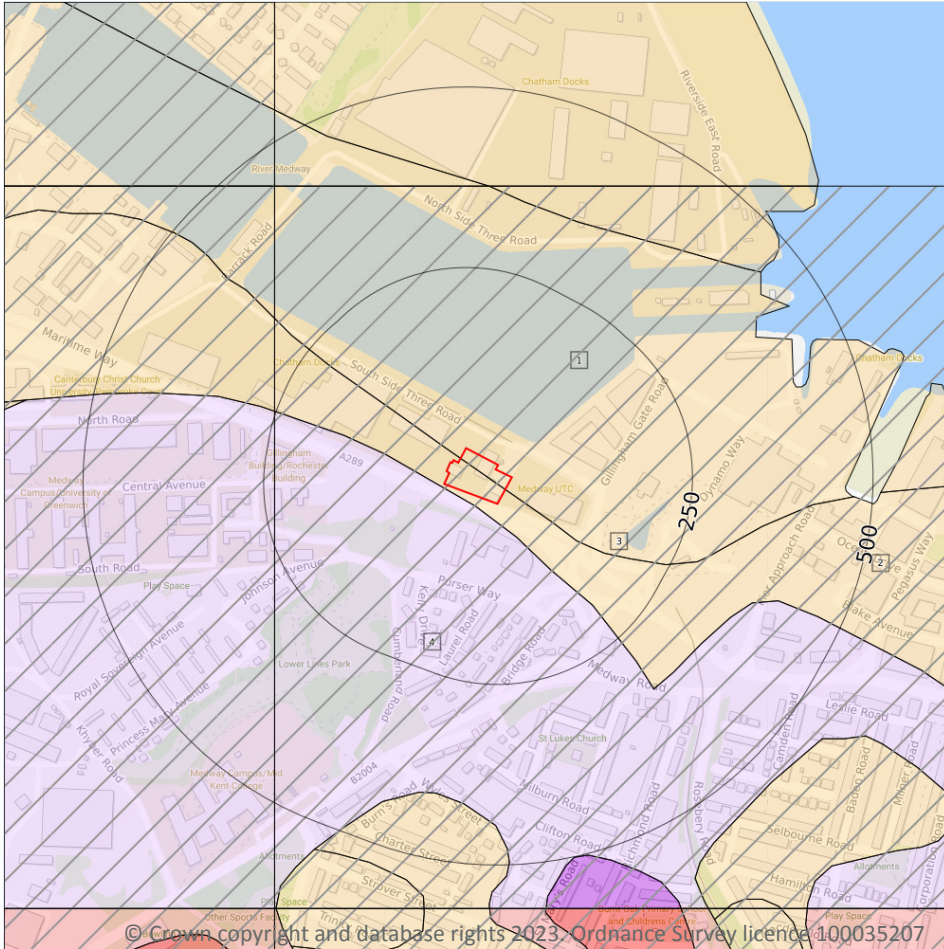
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	348m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	363m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
5	364m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

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 58 >](#)

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
4	5m W	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: >10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
3	Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.	1.0%

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



5.5 Groundwater vulnerability- local information

Records on site

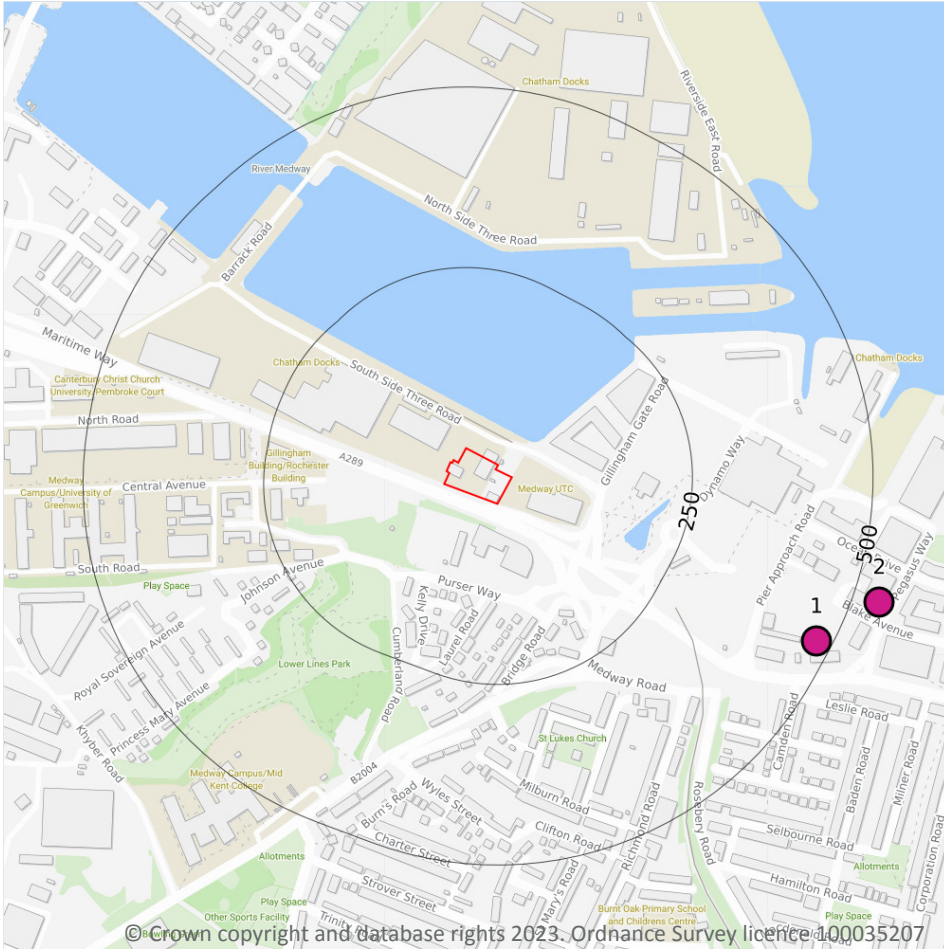
0

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

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



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

2

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 61](#) >

ID	Location	Details	
1	478m SE	Status: Historical Licence No: 9/40/02/0076/GR Details: Process water Direct Source: Southern Region Groundwater Point: POINT B, BOREHOLE AT PIER ROAD, GILLINGHAM Data Type: Point Name: Berkeley Homes (South East London) Ltd Easting: 577750 Northing: 169370	Annual Volume (m ³): 635422 Max Daily Volume (m ³): 1746 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 01/04/2005 Version End Date: -
2	537m E	Status: Historical Licence No: 9/40/02/0200/G Details: Process water Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE AT PIER ROAD, GILLINGHAM Data Type: Point Name: Berkeley Homes (South East London) Ltd Easting: 577837 Northing: 169424	Annual Volume (m ³): 79646 Max Daily Volume (m ³): 436 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 01/04/2005 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

0

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.

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

5.8 Potable abstractions

Records within 2000m

0

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

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



5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

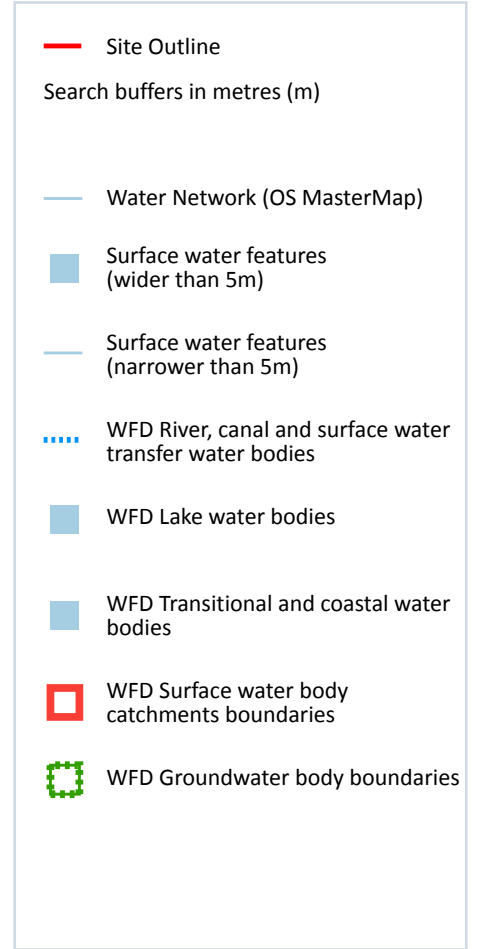
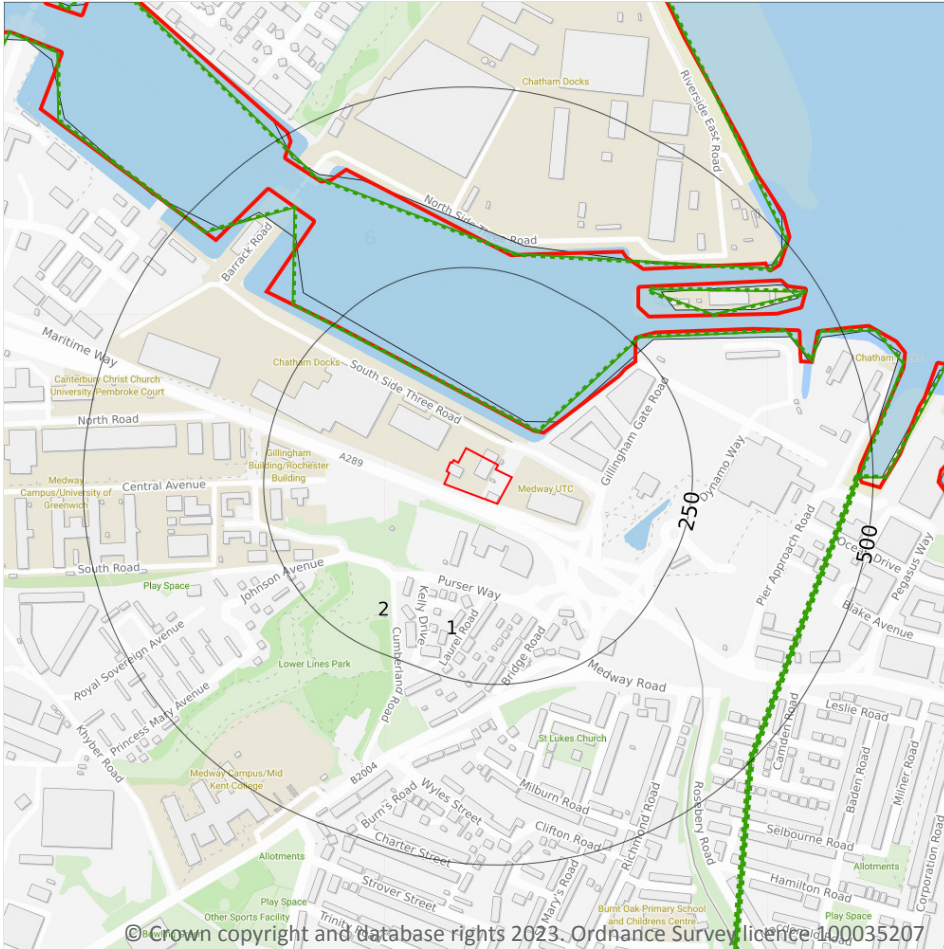
0

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

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



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m **1**

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 64 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
6	224m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medway

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

2

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 64 >](#)

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 64 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	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 64 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	71m NE	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

1

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

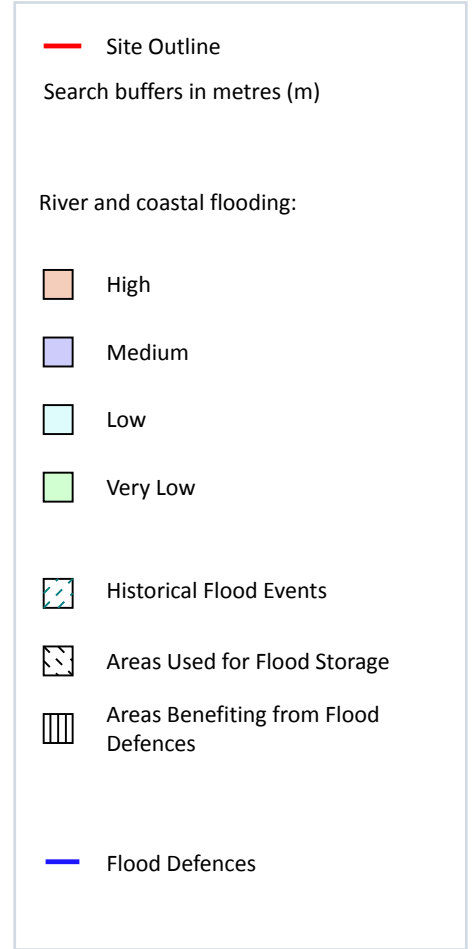
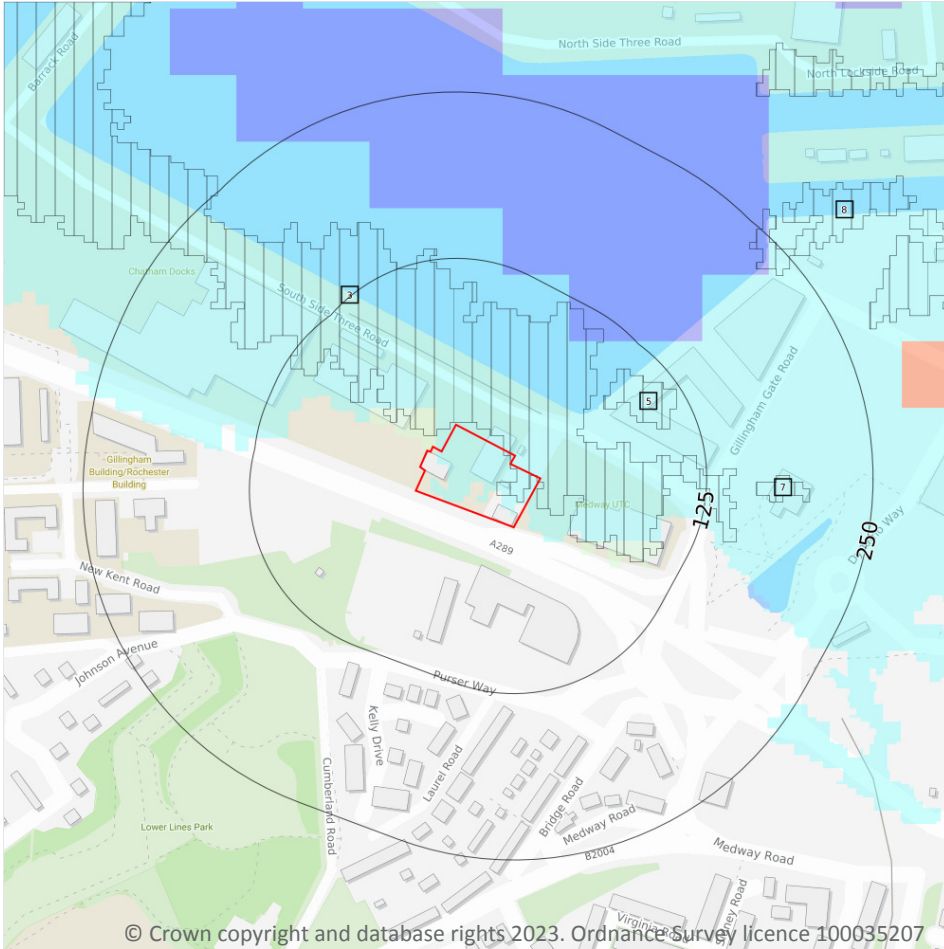
Features are displayed on the Hydrology map on [page 64](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	North Kent Medway Chalk	GB40601G500300 ↗	Poor	Poor	Poor	2019

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



7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

3

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 67 >](#)

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	0
----------------------------	----------

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

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

7.3 Flood Defences

Records within 250m	0
----------------------------	----------

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	4
----------------------------	----------

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 67 >](#)

ID	Location	
3	On site	Area benefiting from flood defences
5	71m NE	Area benefiting from flood defences
7	162m E	Area benefiting from flood defences
8	226m NE	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

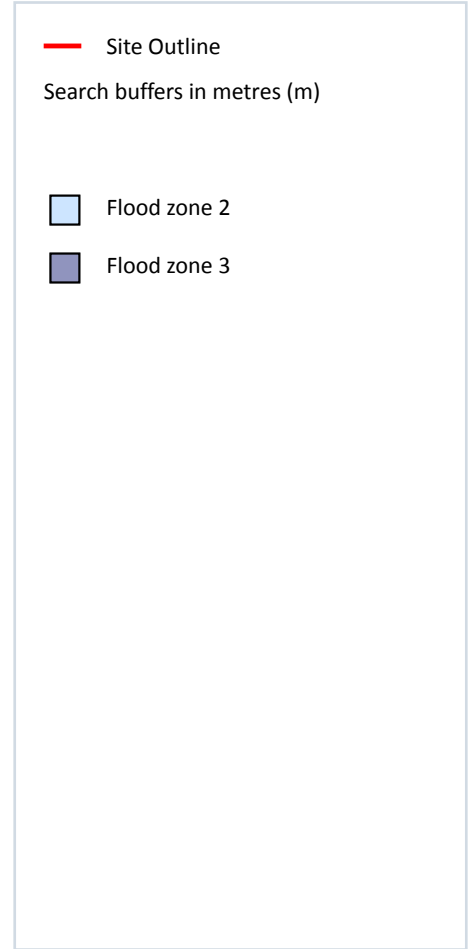
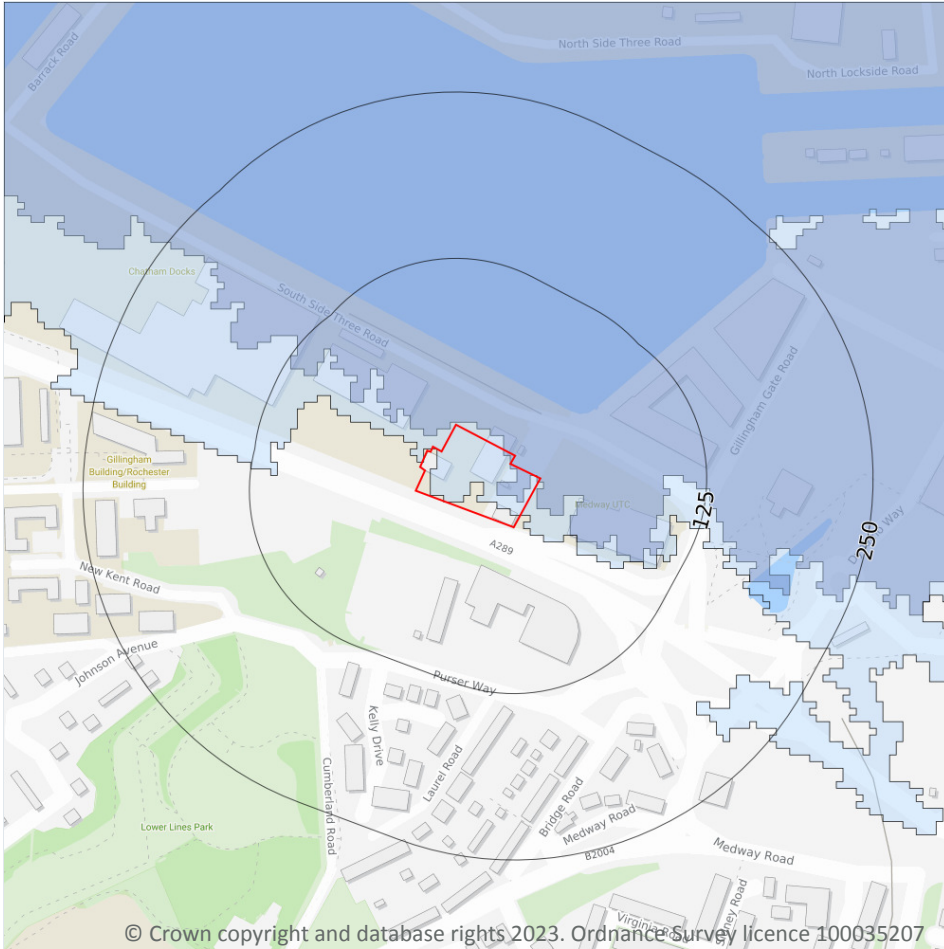
0

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 67 >](#)

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

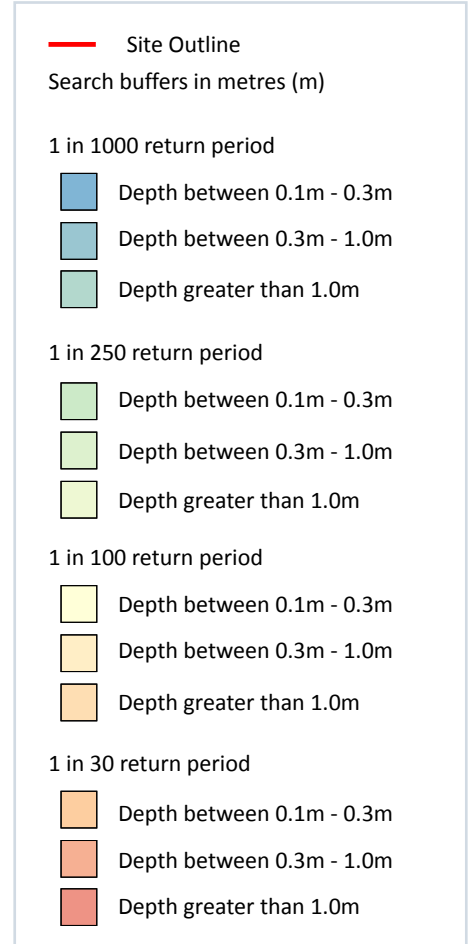
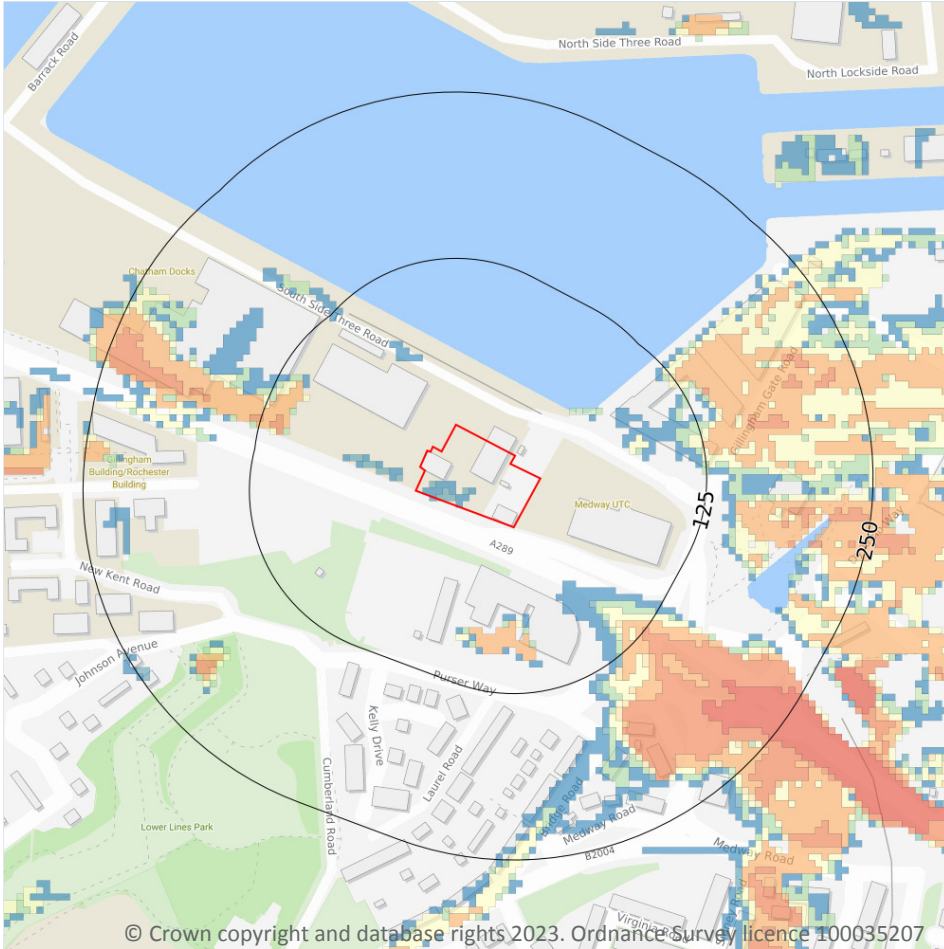
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 67](#) >

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 1000 year, 0.3m - 1.0m

Highest risk within 50m

1 in 1000 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 72 >](#)

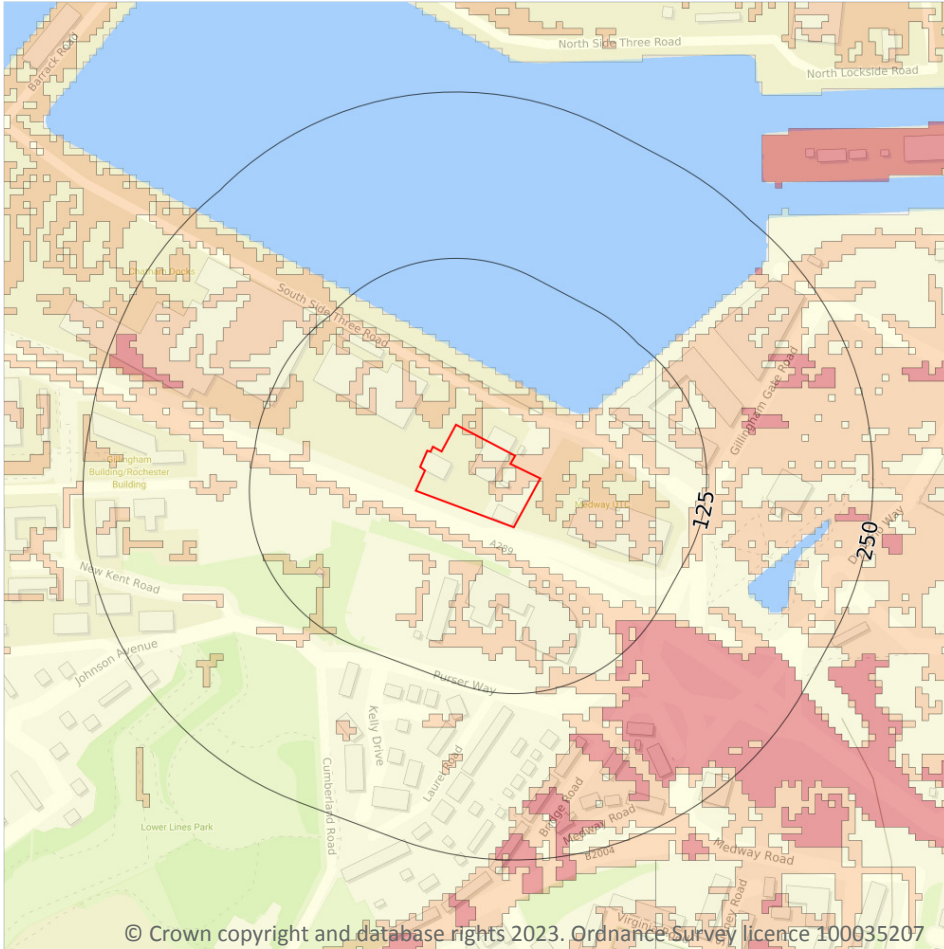
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate-High

Highest risk within 50m

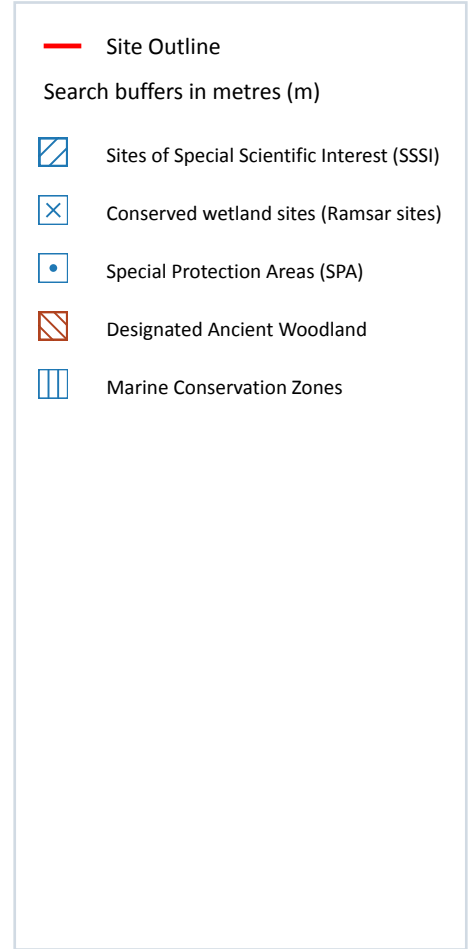
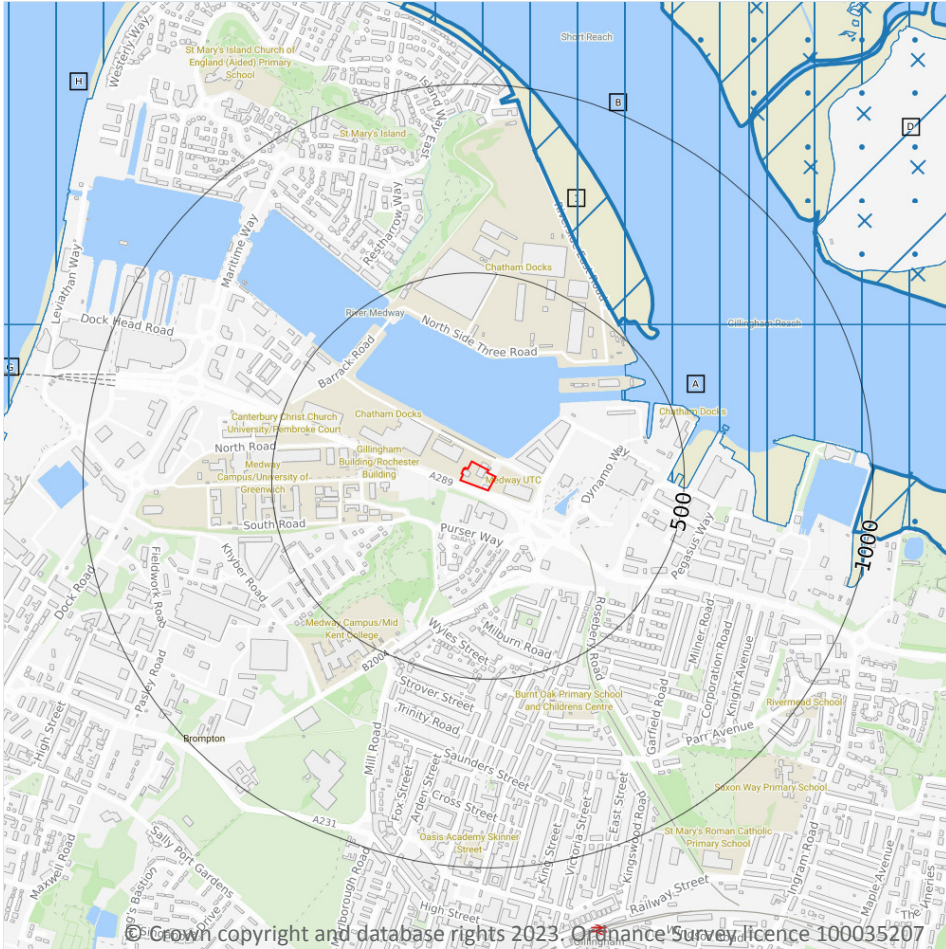
Moderate-High

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

Features are displayed on the Groundwater flooding map on [page 74 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

5

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 75 >](#)

ID	Location	Name	Data source
1	520m NE	Medway Estuary and Marshes	Natural England

ID	Location	Name	Data source
E	960m E	Medway Estuary and Marshes	Natural England
F	1043m NE	Medway Estuary and Marshes	Natural England
-	1499m N	Tower Hill to Cockham Wood	Natural England
-	1663m W	Tower Hill to Cockham Wood	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

2

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 75 >](#)



ID	Location	Site	Details
F	1042m 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
E	1084m 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>

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

2

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 75 >](#)



ID	Location	Name	Species of interest	Habitat description	Data source
F	1043m 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
E	1085m 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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

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



10.7 Designated Ancient Woodland

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 75 >](#)

ID	Location	Name	Woodland Type
-	1572m N	Cockham Wood	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

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

10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

35

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 75 >](#)



ID	Location	Name	Status
A	392m NE	Medway Estuary - Zone 2	Designated
A	392m NE	Medway Estuary - Zone 1	Designated
B	519m NE	Medway Estuary - Zone 2	Designated
B	519m NE	Medway Estuary - Zone 1	Designated
C	672m E	Medway Estuary - Zone 1	Designated
C	672m E	Medway Estuary - Zone 2	Designated
D	783m NE	Medway Estuary - Zone 1	Designated
D	783m NE	Medway Estuary - Zone 2	Designated
G	1181m W	Medway Estuary - Zone 2	Designated
G	1181m W	Medway Estuary - Zone 1	Designated
H	1182m W	Medway Estuary - Zone 2	Designated
H	1182m W	Medway Estuary - Zone 1	Designated
-	1238m W	Medway Estuary - Zone 1	Designated
-	1238m W	Medway Estuary - Zone 2	Designated
-	1299m W	Medway Estuary - Zone 1	Designated
-	1299m W	Medway Estuary - Zone 2	Designated
-	1363m N	Medway Estuary - Zone 1	Designated
-	1363m N	Medway Estuary - Zone 2	Designated
-	1388m N	Medway Estuary - Zone 1	Designated
-	1388m N	Medway Estuary - Zone 2	Designated
-	1548m NE	Medway Estuary - Zone 1	Designated
-	1548m NE	Medway Estuary - Zone 2	Designated
-	1589m W	Medway Estuary - Zone 1	Designated
-	1589m W	Medway Estuary - Zone 2	Designated
-	1663m E	Medway Estuary - Zone 1	Designated
-	1663m E	Medway Estuary - Zone 2	Designated
-	1672m E	Medway Estuary - Zone 1	Designated
-	1672m E	Medway Estuary - Zone 2	Designated



ID	Location	Name	Status
-	1679m E	Medway Estuary - Zone 1	Designated
-	1679m E	Medway Estuary - Zone 2	Designated
-	1689m NE	Medway Estuary - Zone 1	Designated
-	1720m E	Medway Estuary - Zone 1	Designated
-	1720m E	Medway Estuary - Zone 2	Designated
-	1763m NE	Medway Estuary - Zone 1	Designated
-	1763m NE	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

2

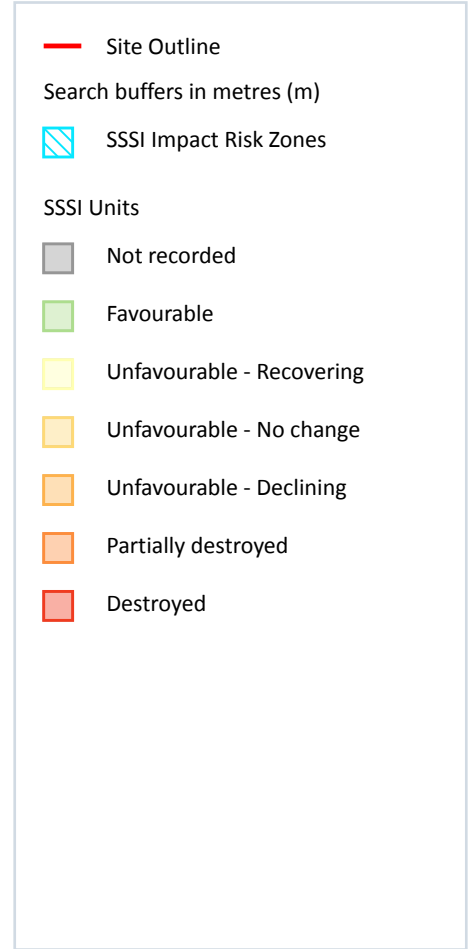
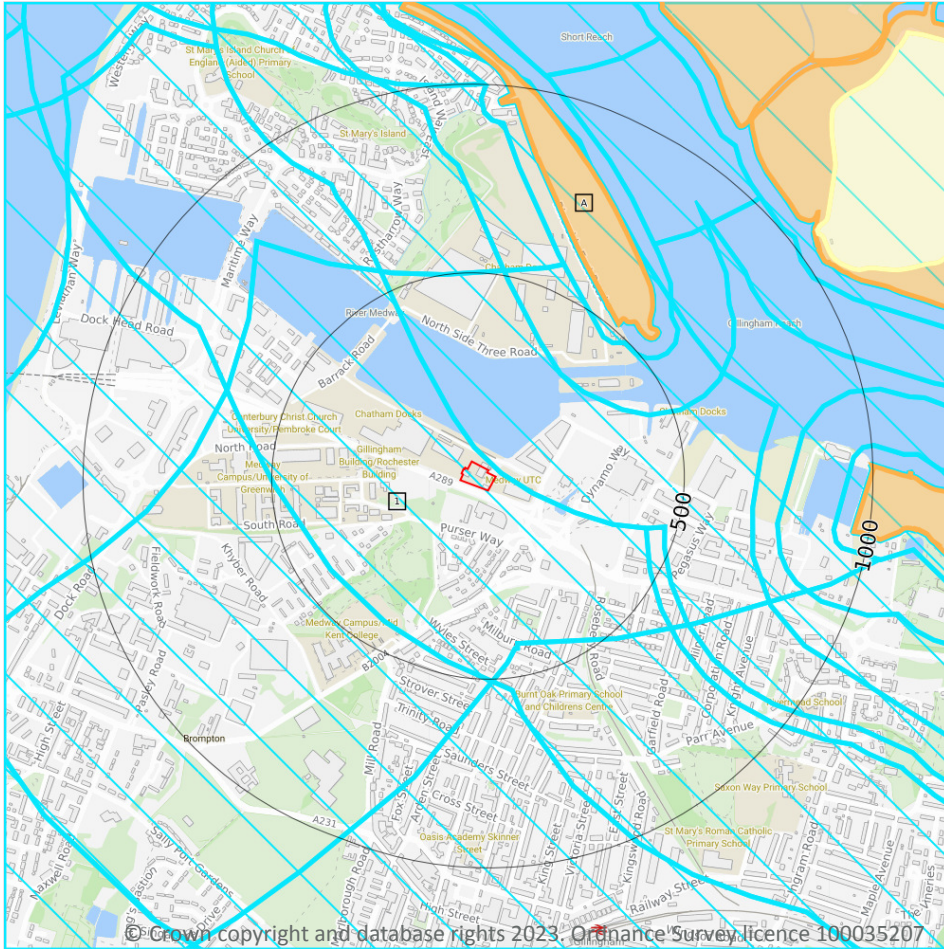
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1507m W	North Kent	Groundwater	65	Existing
1685m N	Tidal Medway Drain B NVZ	Surface Water	830	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

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 84](#) >

ID	Location	Type of developments requiring consultation
1	On site	<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 - 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 100 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW 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>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</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>

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 84](#) >

ID: A
 Location: 520m 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: 21
 Location: 960m 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: 26
 Location: 1043m 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



Feature name	Feature condition	Date of assessment
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

ID: 28
 Location: 1065m NE
 SSSI name: Medway Estuary and Marshes
 Unit name: Hoo Island
 Broad habitat: Inshore Sublittoral Sediment - CI
 Condition: Unfavourable - Recovering
 Reportable features:

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 - Grey plover, Pluvialis squatarola	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	31/03/2022



Feature name	Feature condition	Date of assessment
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

ID: -
 Location: 1499m N
 SSSI name: Tower Hill to Cockham Wood
 Unit name: Cockhams Wood
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage A1 arboreal canopy	Favourable	05/01/2009
Lowland mixed deciduous woodland	Favourable	05/01/2009

ID: -
 Location: 1663m W
 SSSI name: Tower Hill to Cockham Wood
 Unit name: Tower Hill Camp
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage F111 bare sand & chalk	Not Recorded	01/01/1900
Invert. assemblage F2 grassland & scrub matrix	Not Recorded	01/01/1900

ID: -
 Location: 1866m N
 SSSI name: Tower Hill to Cockham Wood
 Unit name: Beaconhill
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - Declining
 Reportable features:



Feature name	Feature condition	Date of assessment
ED - Mesozoic - Tertiary Fish/Amphibia	Unfavourable - Declining	05/12/2022
ED - Palaeogene	Unfavourable - Declining	05/12/2022
Invert. assemblage A1 arboreal canopy	Favourable	21/07/2009
Lowland mixed deciduous woodland	Unfavourable - Declining	21/07/2009

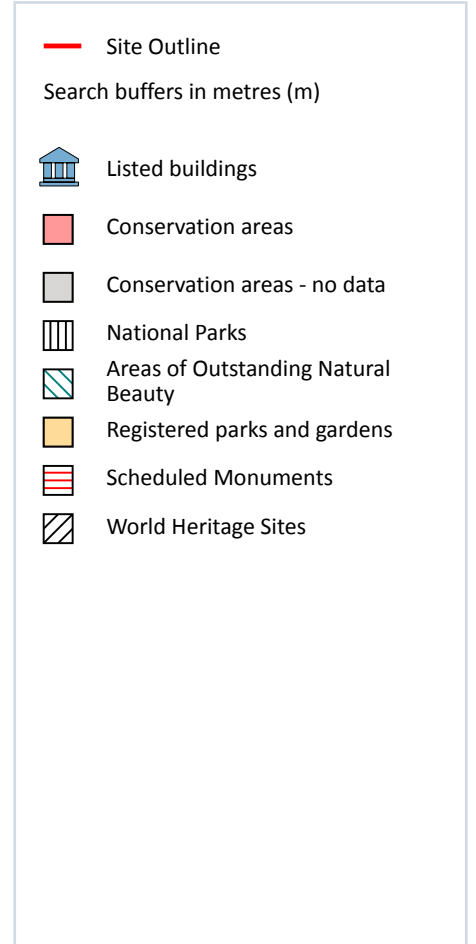
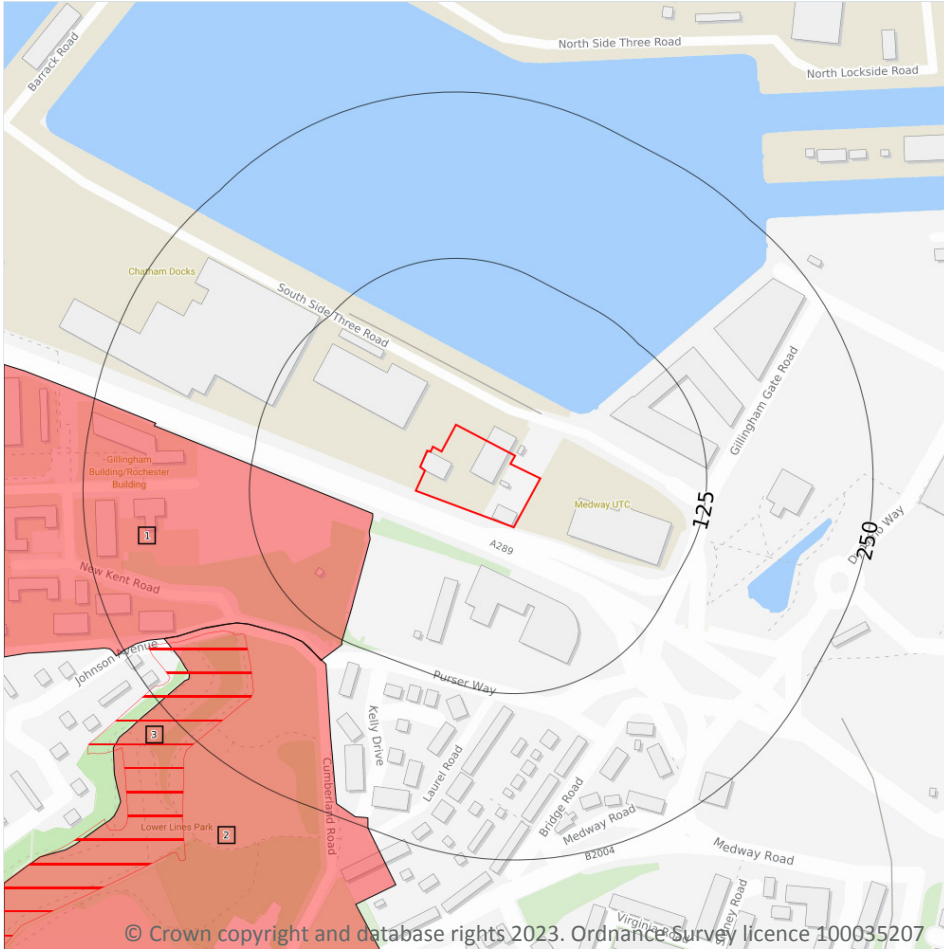
ID: -
 Location: 1972m NW
 SSSI name: Tower Hill to Cockham Wood
 Unit name: Quarry
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
ED - Mesozoic - Tertiary Fish/Amphibia	Unfavourable - Declining	05/12/2022
ED - Palaeogene	Unfavourable - Declining	05/12/2022
Invert. assemblage F111 bare sand & chalk	Not Recorded	01/01/1900
Invert. assemblage F2 grassland & scrub matrix	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

2

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



Features are displayed on the Visual and cultural designations map on [page 91 >](#)

ID	Location	Name	District	Date of designation
1	37m W	Pembroke	Medway	08/03/1989
2	142m SW	Brompton Lines	Medway	03/02/1981

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

11.6 Scheduled Ancient Monuments

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 91 >](#)

ID	Location	Ancient monument name	Reference number
3	168m SW	Brompton Lines	1003364

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

11.7 Registered Parks and Gardens

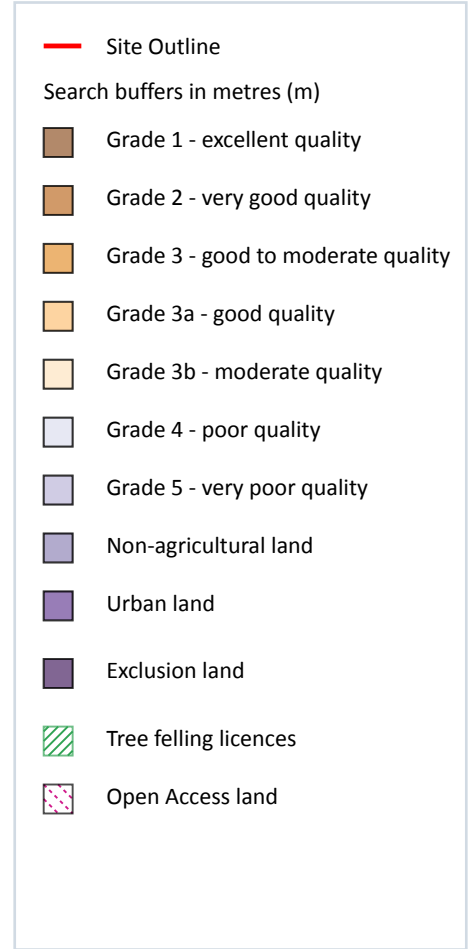
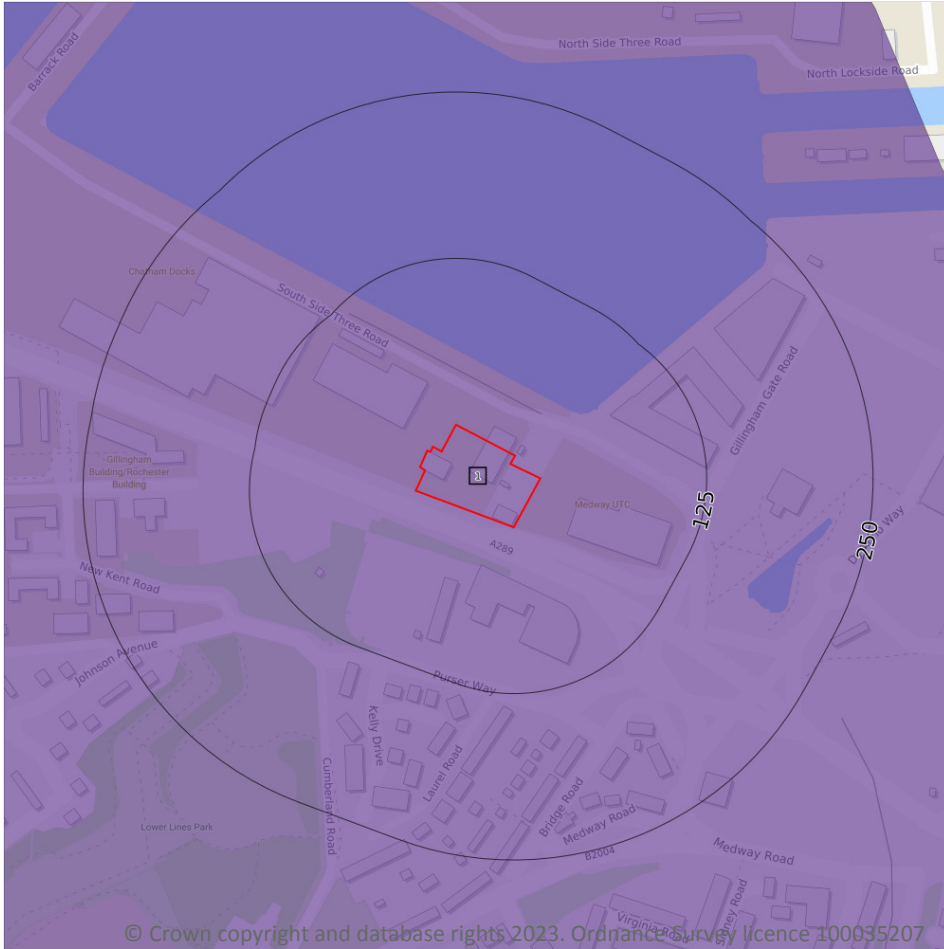
Records within 250m

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

1

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

Features are displayed on the Agricultural designations map on [page 94](#) >

ID	Location	Classification	Description
----	----------	----------------	-------------

1	On site	Urban	-
---	---------	-------	---

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

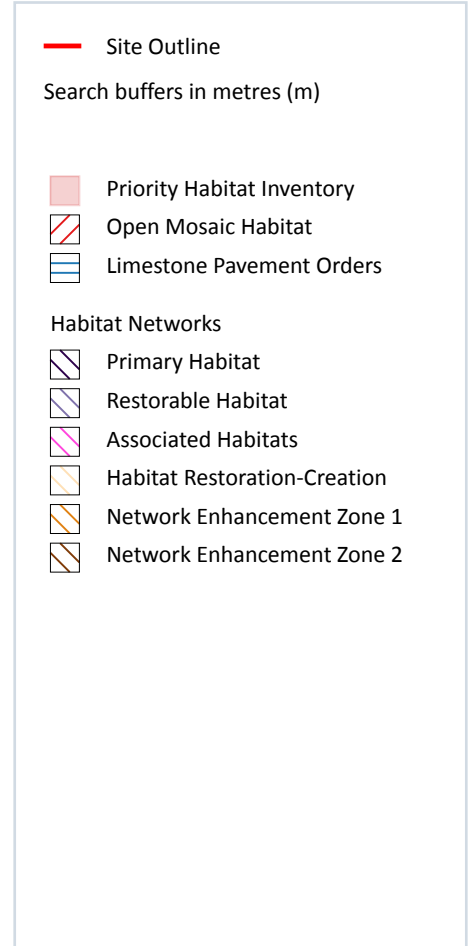
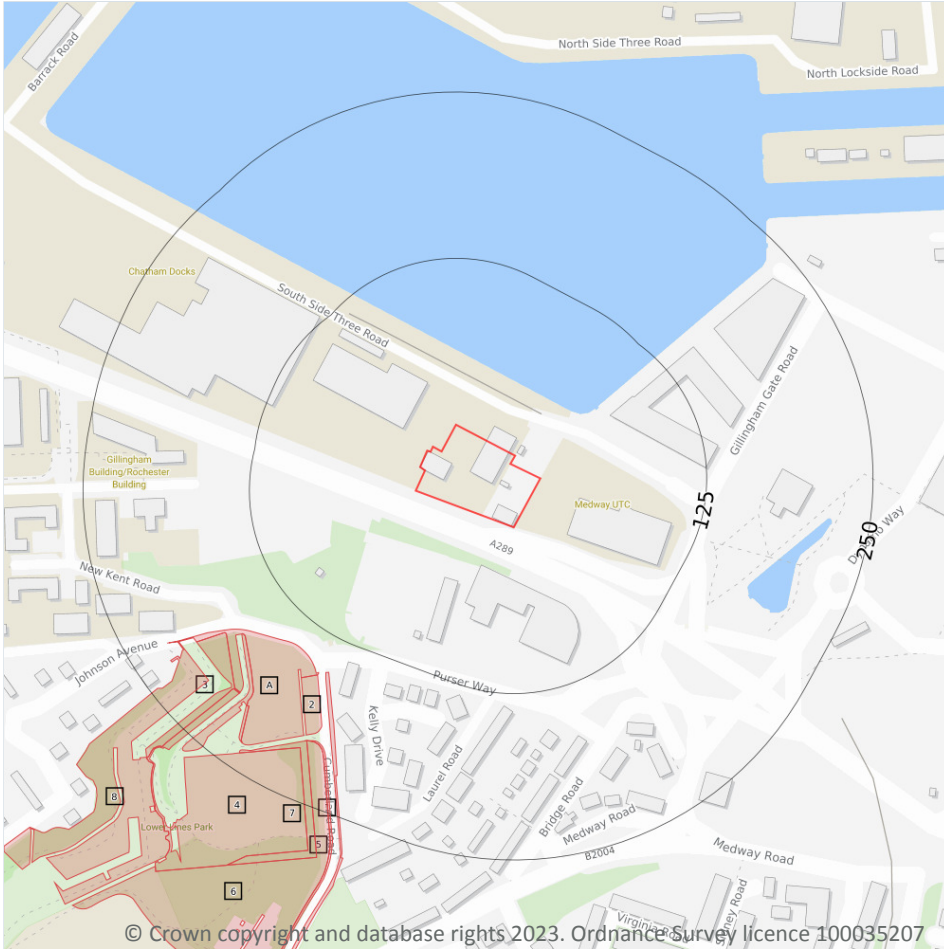
0

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

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

11

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

Features are displayed on the Habitat designations map on [page 96 >](#)

ID	Location	Main Habitat	Other habitats
A	146m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
1	151m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	157m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	168m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
3	178m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	201m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	201m SW	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
5	203m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	204m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	205m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	210m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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



This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 99](#) >

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 103](#) >

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

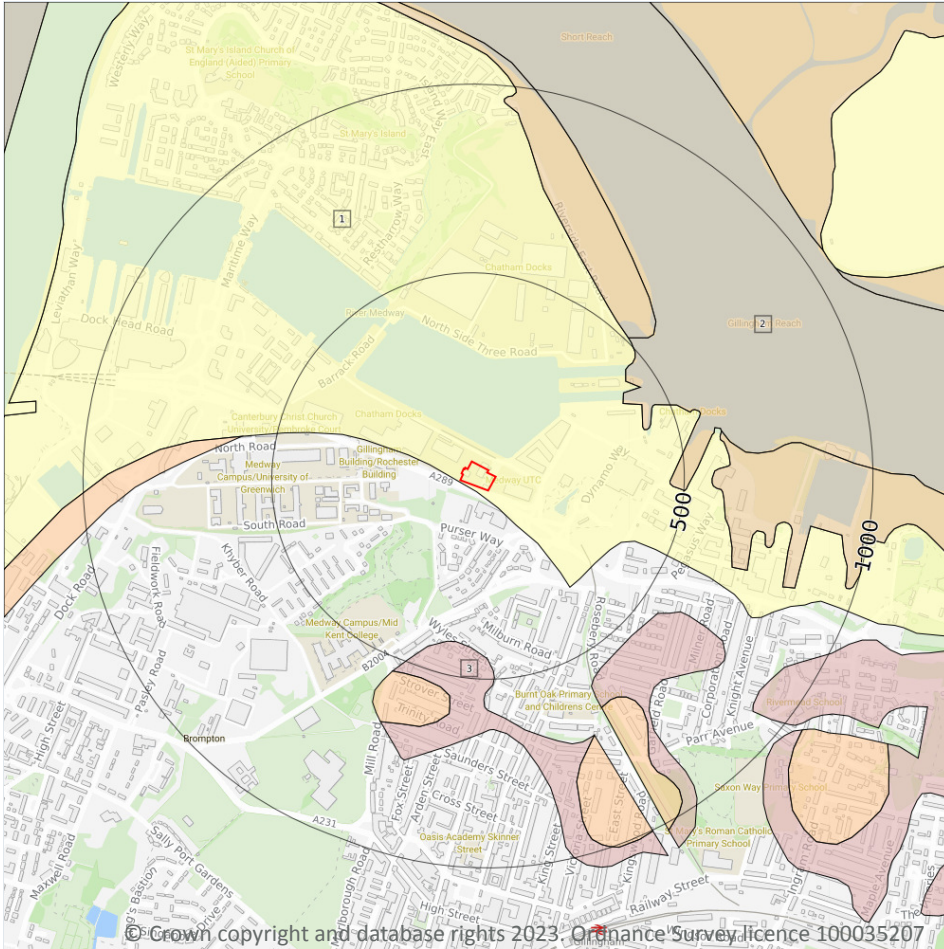
0

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

3

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 105](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSP	ALLUVIUM	CLAY, SILT, SAND AND PEAT
2	389m NE	BTFU-XCZS	BEACH AND TIDAL FLAT DEPOSITS (UNDIFFERENTIATED)	CLAY, SILT AND SAND
3	409m S	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



This data is sourced from the British Geological Survey.

15.5 Superficial 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 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

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)

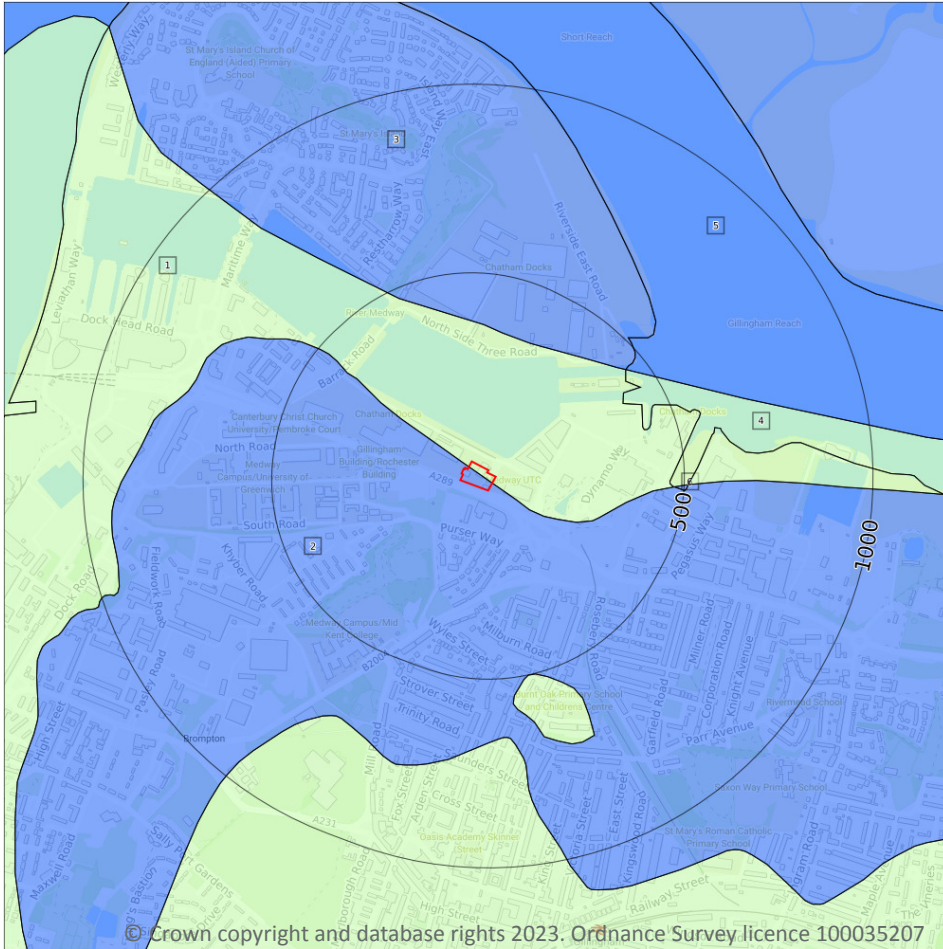
Records within 50m

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

6

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 107](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	SECK-CHLK	SEAFORD CHALK FORMATION - CHALK	CONIACIAN
2	On site	TAB-XSZC	THANET FORMATION - SAND, SILT AND CLAY	THANETIAN
3	348m N	TAB-XSZC	THANET FORMATION - SAND, SILT AND CLAY	THANETIAN



ID	Location	LEX Code	Description	Rock age
4	389m NE	LSNCK-CHLK	LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
5	447m NE	TAB-XSZC	THANET FORMATION - SAND, SILT AND CLAY	THANETIAN
6	474m E	TAB-XSZC	THANET FORMATION - SAND, SILT AND CLAY	THANETIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

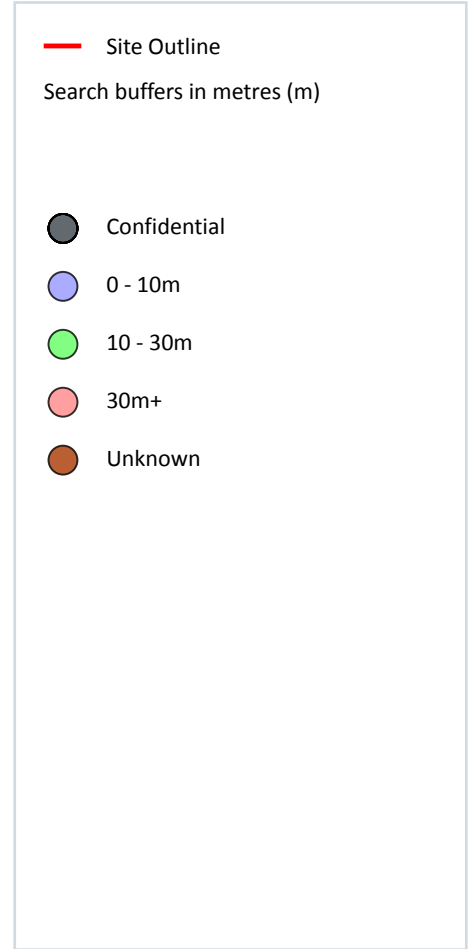
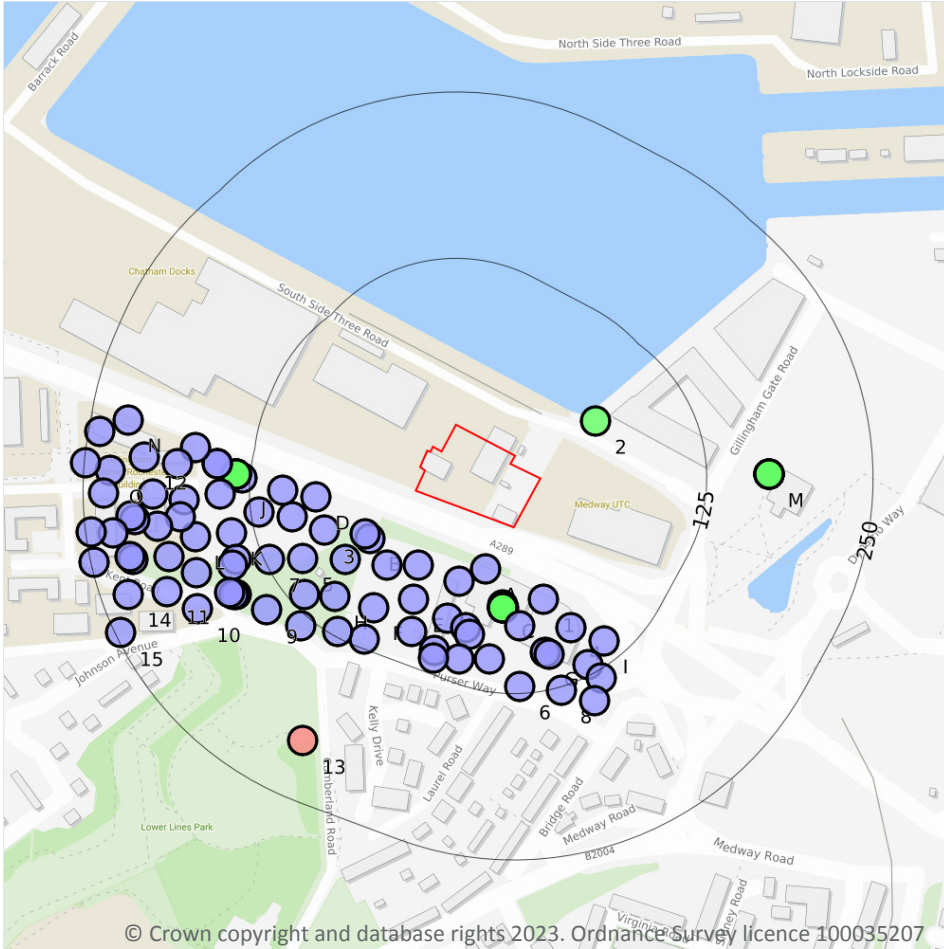
0

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



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16.1 BGS Boreholes

Records within 250m

98

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 109](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	37m S	577287 169529	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1015	3.1	N	17259642 ↗
B	50m SW	577200 169552	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1025	0.6	N	17259681 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
B	50m SW	577197 169555	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1025A	2.1	N	17259685 ↗
B	51m SW	577237 169532	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1021	2.5	N	17259649 ↗
A	52m S	577267 169520	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1016	2.9	N	17259643 ↗
1	59m SE	577331 169506	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1011	3.3	N	17259550 ↗
C	59m S	577300 169502	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1012	0.2	N	17259551 ↗
B	60m SW	577213 169532	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1022	3.0	N	17259678 ↗
2	60m NE	577370 169640	NAVAL DOCKYARD,CHATHAM TRIAL NO.10	12.19	N	771845 ↗
C	61m S	577301 169500	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1012A	2.7	N	17259588 ↗
C	61m S	577300 169500	CHATHAM NAVAL BASE S8/3	14.5	N	771772 ↗
C	61m S	577300 169500	CHATHAM NAVAL BASE S8/1	15.5	N	771770 ↗
C	61m S	577300 169500	CHATHAM NAVAL BASE S8/4	15.5	N	771773 ↗
C	61m S	577300 169500	CHATHAM NAVAL BASE S8/2	13.0	N	771771 ↗
B	74m SW	577182 169536	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1026	1.6	N	17259686 ↗
C	74m S	577313 169486	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1010	2.4	N	17259543 ↗
3	75m W	577166 169558	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1045	2.8	N	17259726 ↗
D	75m W	577160 169583	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1029	2.2	N	17259689 ↗
E	77m SW	577233 169506	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1020	2.9	N	17259648 ↗
E	81m S	577259 169492	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1017	2.1	N	17259644 ↗
E	83m S	577272 169485	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1014	0.6	N	17259640 ↗
4	87m SE	577351 169485	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1006	3.2	N	17259532 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
E	87m S	577275 169480	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1014A	2.5	N	17259641 ↗
F	93m SW	577203 169500	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1023	1.5	N	17259679 ↗
D	95m W	577142 169568	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1044	2.3	N	17259725 ↗
G	97m S	577332 169466	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1007A	2.5	N	17259555 ↗
5	99m SW	577150 169537	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1046	0.9	N	17259727 ↗
G	99m S	577335 169465	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1007	0.8	N	17259533 ↗
D	100m W	577135 169588	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1030	2.2	N	17259711 ↗
E	100m SW	577232 169482	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1019	2.8	N	17259647 ↗
H	100m SW	577174 169508	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1027	2.0	N	17259687 ↗
E	101m S	577290 169461	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1009	2.2	N	17259542 ↗
E	107m S	577249 169468	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1018A	1.6	N	17259646 ↗
E	108m S	577267 169461	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1013	2.1	N	17259554 ↗
I	109m SE	577376 169475	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1005	3.2	N	17259531 ↗
E	113m S	577248 169462	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1018	0.35	N	17259645 ↗
H	114m SW	577151 169510	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1054	3.0	N	17259739 ↗
I	117m SE	577364 169457	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1004	1.9	N	17259520 ↗
F	118m SW	577196 169476	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1024	1.2	N	17259680 ↗
D	119m W	577117 169572	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1043	0.6	N	17259724 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
6	119m S	577313 169441	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1008	2.4	N	17259541 ↗
F	121m SW	577176 169482	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1028	1.9	N	17259688 ↗
7	121m W	577125 169536	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1047	2.0	N	17259728 ↗
8	127m S	577344 169438	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1003	1.2	N	17259519 ↗
I	131m SE	577374 169447	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1001	2.4	N	17259517 ↗
J	131m W	577104 169597	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1031	2.8	N	17259712 ↗
H	134m SW	577148 169486	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1055	0.6	N	17259740 ↗
J	135m W	577100 169600	CHATHAM HMNB D29 REPROVISIONS 4	19.95	N	771812 ↗
J	135m W	577100 169600	CHATHAM HMNB D29 REPROVISIONS 6	13.95	N	771814 ↗
J	135m W	577100 169600	CHATHAM HMNB D29 REPROVISIONS 3	18.95	N	771811 ↗
J	135m W	577100 169600	CHATHAM HMNB D29 REPROVISIONS 1	20.45	N	771809 ↗
J	135m W	577100 169600	CHATHAM HMNB D29 REPROVISIONS 5	12.95	N	771813 ↗
J	135m W	577100 169600	CHATHAM HMNB D29 REPROVISIONS 2	19.45	N	771810 ↗
K	142m W	577096 169556	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1042	0.8	N	17259723 ↗
9	143m SW	577123 169498	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1056	3.8	N	17259741 ↗
I	144m SE	577369 169430	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1002	2.4	N	17259518 ↗
K	144m W	577100 169536	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1048	0.1	N	17259729 ↗
J	147m W	577088 169585	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1032	2.0	N	17259713 ↗
K	149m W	577097 169532	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1048A	0.6	N	17259730 ↗
J	150m W	577086 169608	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1069	0.6	N	17259757 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
J	150m W	577086 169608	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1069A	3.0	N	17259758 ↗
K	156m SW	577100 169510	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1053B	2.9	N	17259738 ↗
K	157m SW	577098 169510	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1053A	0.5	N	17259737 ↗
K	159m SW	577095 169511	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1053	0.7	N	17259736 ↗
J	169m W	577069 169620	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1070	2.4	N	17259759 ↗
L	169m W	577069 169553	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1041	3.4	N	17259722 ↗
M	172m E	577500 169600	CHATHAM NAVAL BASE S4/1	20.0	N	771774 ↗
M	172m E	577500 169600	CHATHAM NAVAL BASE S5/5	17.0	N	771778 ↗
M	172m E	577500 169600	CHATHAM NAVAL BASE S5/7	19.5	N	771780 ↗
M	172m E	577500 169600	CHATHAM NAVAL BASE S4/2	21.0	N	771775 ↗
M	172m E	577500 169600	CHATHAM NAVAL BASE S5/6	4.7	N	771779 ↗
M	172m E	577500 169600	CHATHAM NAVAL BASE S5/4	21.5	N	771777 ↗
M	172m E	577500 169600	CHATHAM NAVAL BASE S4/3	21.0	N	771776 ↗
L	174m W	577061 169581	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1033	2.4	N	17259714 ↗
L	176m W	577070 169526	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1049	2.5	N	17259731 ↗
L	178m W	577058 169568	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1092	2.0	N	17259783 ↗
J	180m W	577056 169608	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1071	2.5	N	17259760 ↗
10	186m SW	577071 169499	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1057	3.5	N	17259742 ↗
L	192m W	577049 169538	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1068	1.6	N	17259756 ↗
L	196m W	577041 169561	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1040	3.6	N	17259721 ↗
L	198m W	577037 169585	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1034	1.8	N	17259715 ↗

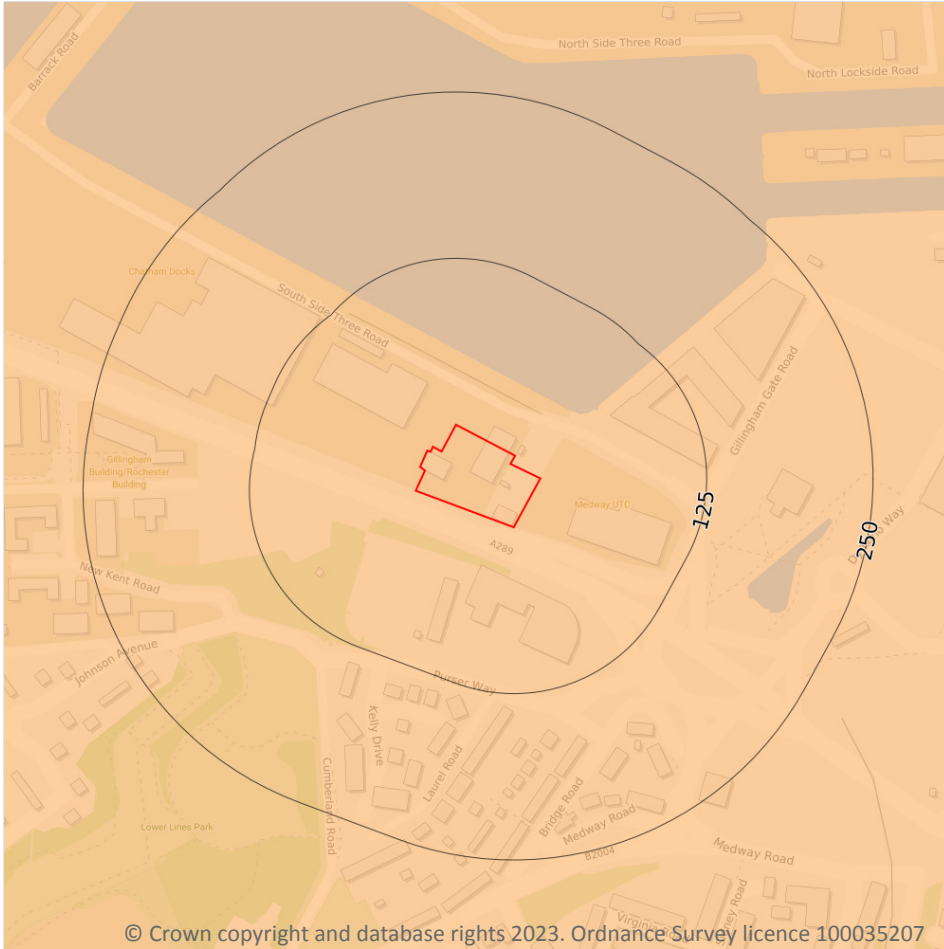


ID	Location	Grid reference	Name	Length	Confidential	Web link
11	202m W	577048 169512	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1052	3.0	N	17259735 ↗
12	205m W	577031 169613	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1072	2.2	N	17259761 ↗
13	206m SW	577150 169400	CUMBERLAND CHATHAM OBS	38.0	N	771857 ↗
L	212m W	577024 169566	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1091A	2.3	N	17259782 ↗
L	215m W	577021 169569	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1091	0.4	N	17259781 ↗
L	219m W	577022 169536	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1050	0.4	N	17259732 ↗
L	220m W	577020 169538	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1050A	2.0	N	17259733 ↗
N	222m W	577019 169641	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1076	3.6	N	17259766 ↗
14	229m W	577019 169510	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1058	3.8	N	17259743 ↗
L	230m W	577007 169556	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1039	3.2	N	17259720 ↗
O	230m W	577005 169603	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1073	2.8	N	17259762 ↗
O	235m W	577000 169586	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1035	2.9	N	17259716 ↗
N	242m W	576997 169632	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1075	2.6	N	17259765 ↗
L	246m W	576991 169557	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1038	3.5	N	17259719 ↗
15	246m SW	577013 169481	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1061	1.1	N	17259747 ↗
L	248m W	576993 169534	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1051	3.2	N	17259734 ↗
O	249m W	576987 169609	AREA 1 EASTBRIDGE & PEMBROKE CHATHAM MARITIME TP1074A	2.4	N	17259764 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



— Site Outline
 Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m

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).

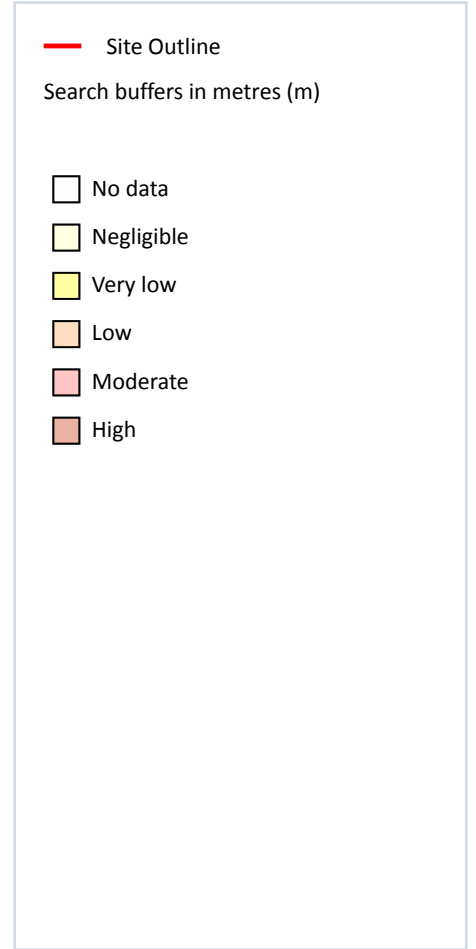
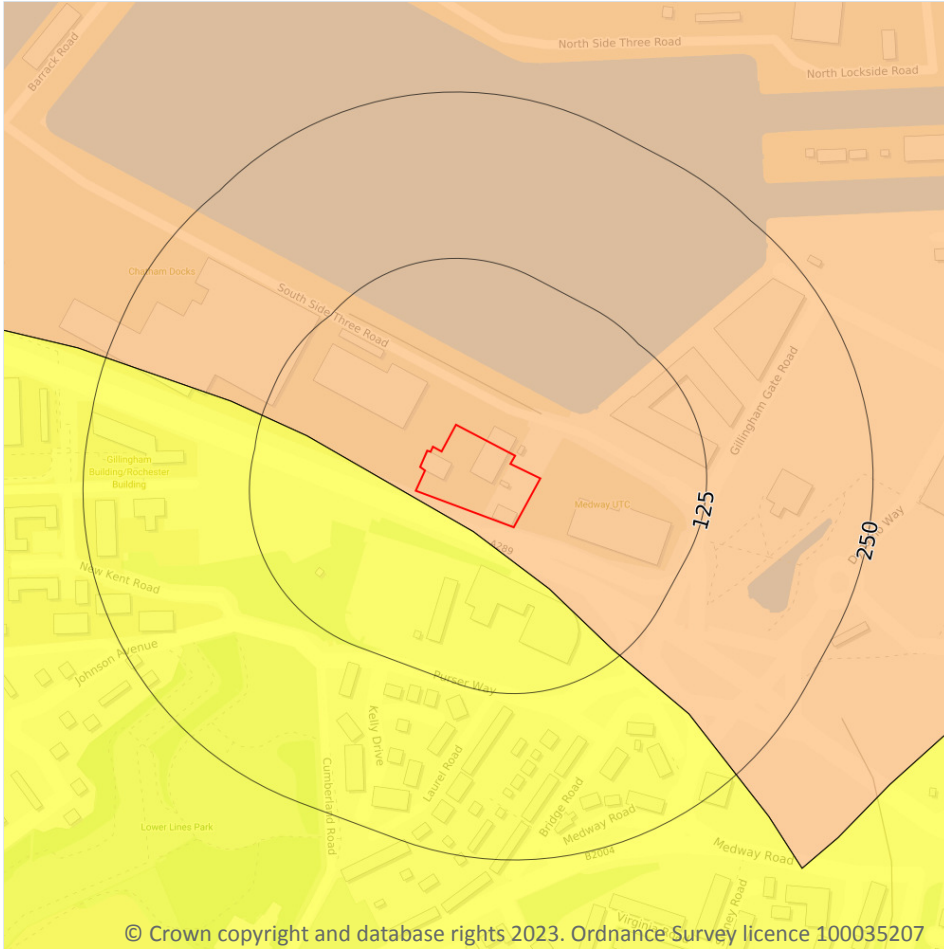
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 115 >](#)

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 116](#) >

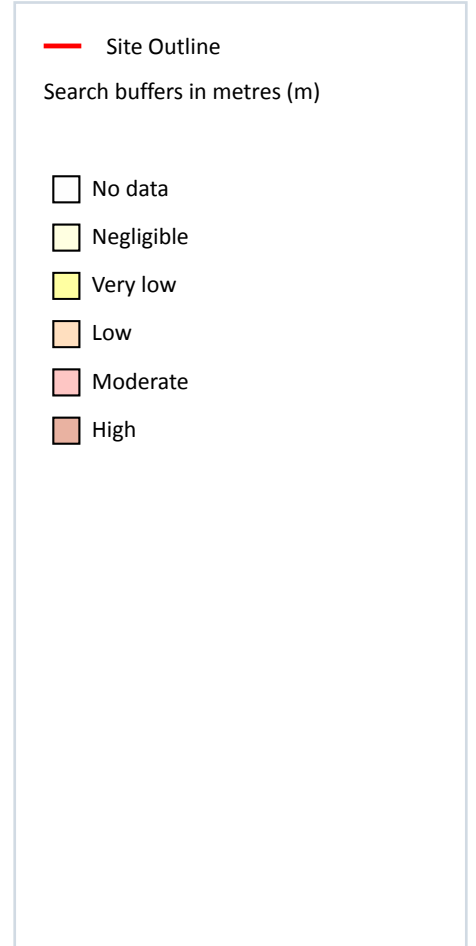
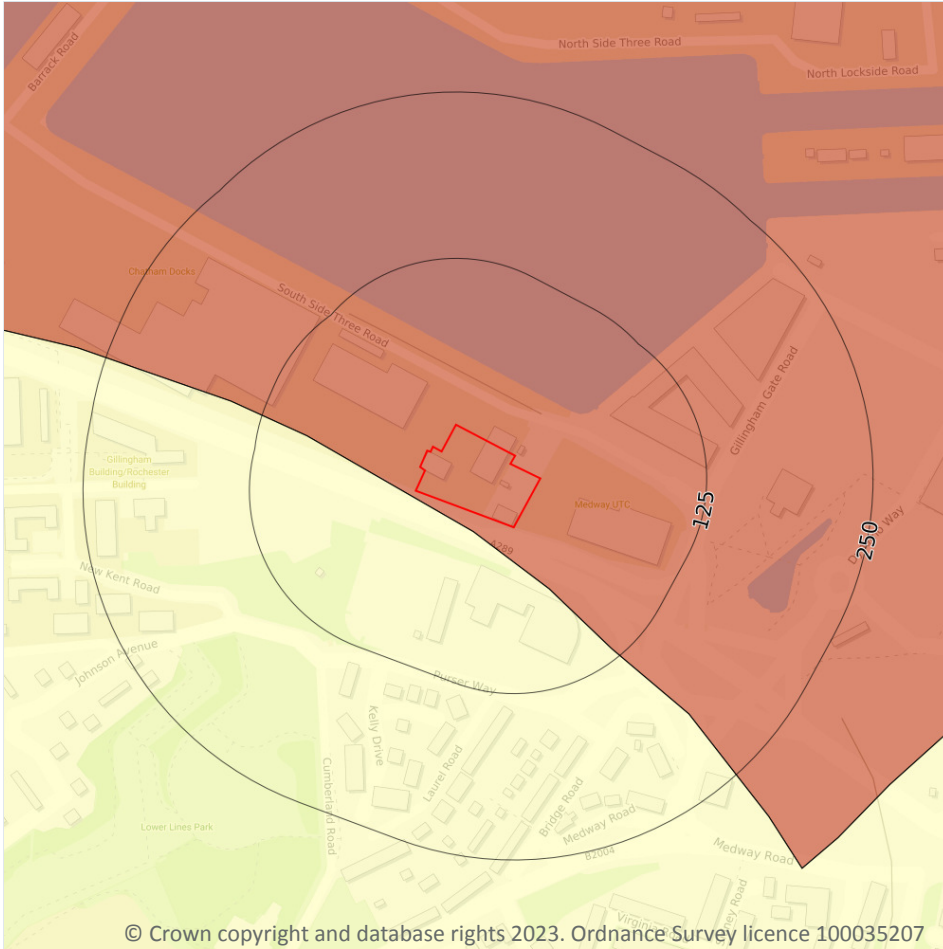
Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

Location	Hazard rating	Details
5m W	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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.

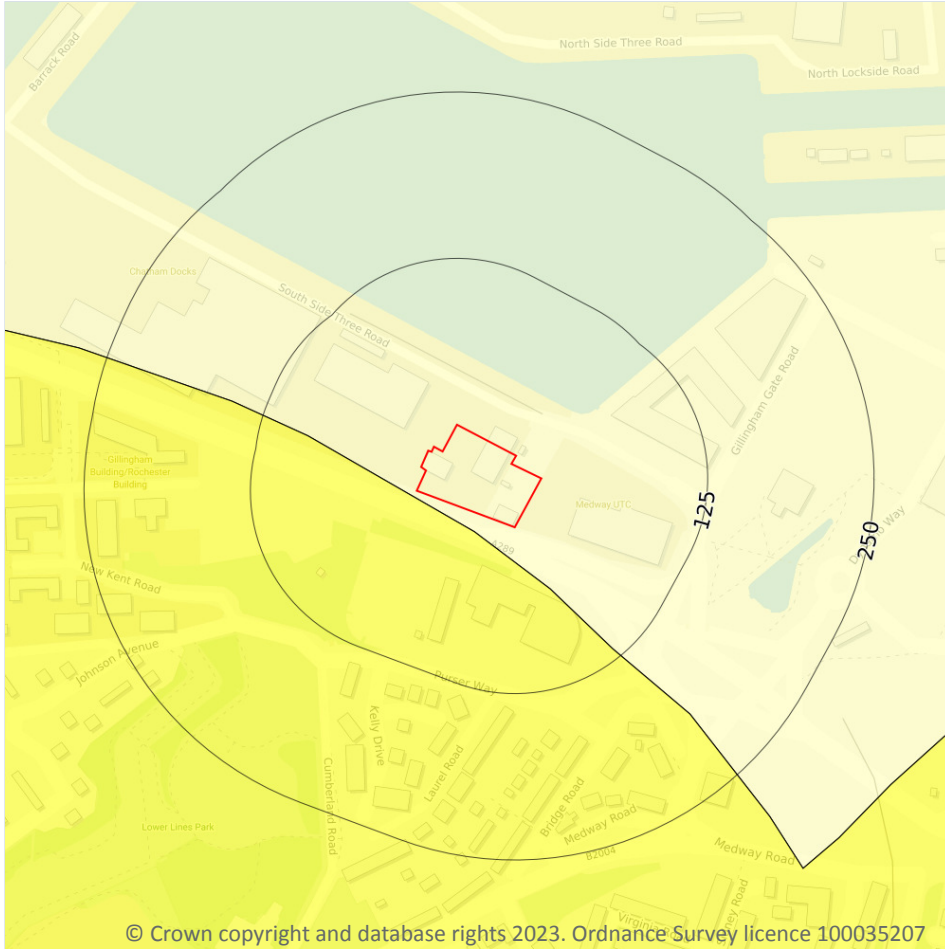
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 118](#) >

Location	Hazard rating	Details
On site	High	Highly compressible strata present. Significant constraint on land use depending on thickness.
5m W	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



— Site Outline
 Search buffers in metres (m)

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

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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.

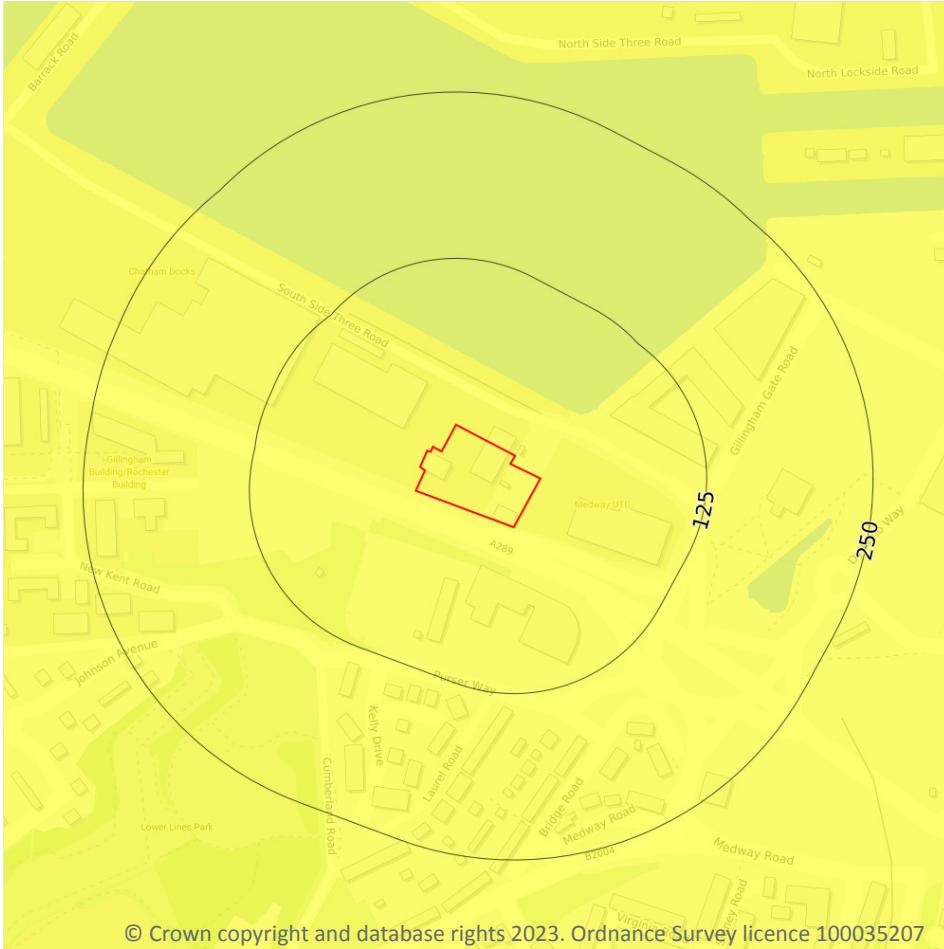
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 119](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

1

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

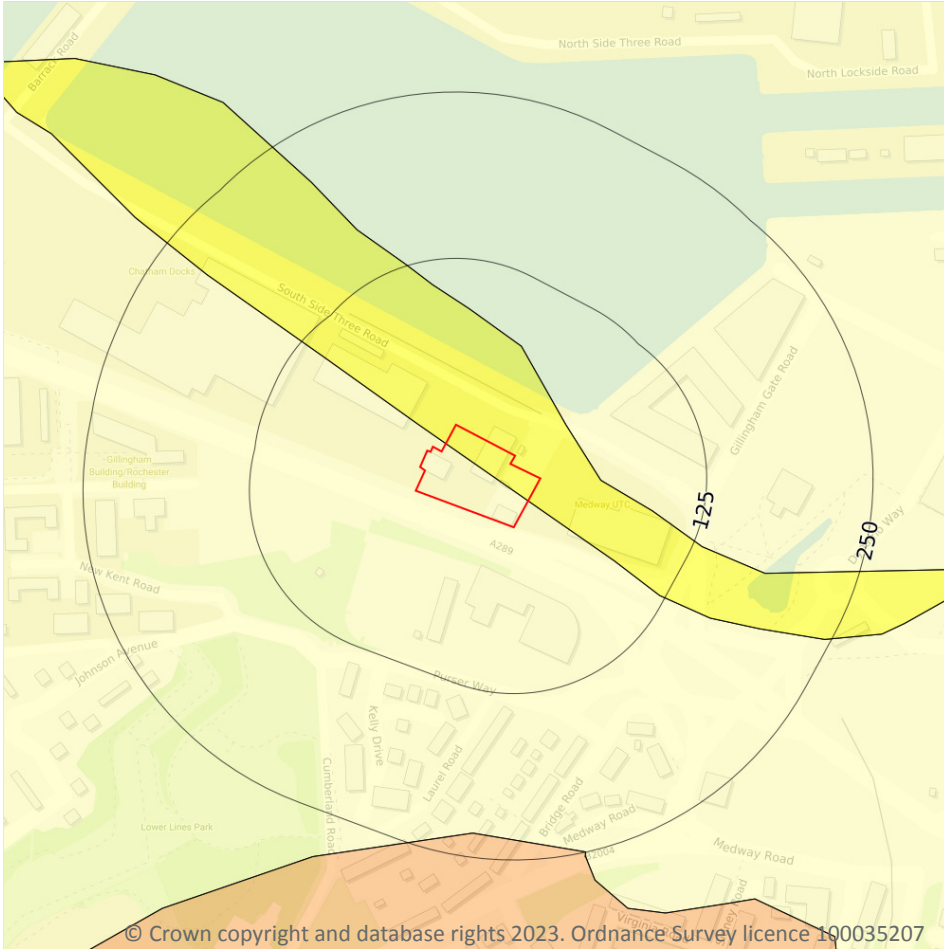
Features are displayed on the Natural ground subsidence - Landslides map on [page 120 >](#)

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



17.6 Ground dissolution of soluble rocks

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 121](#) >

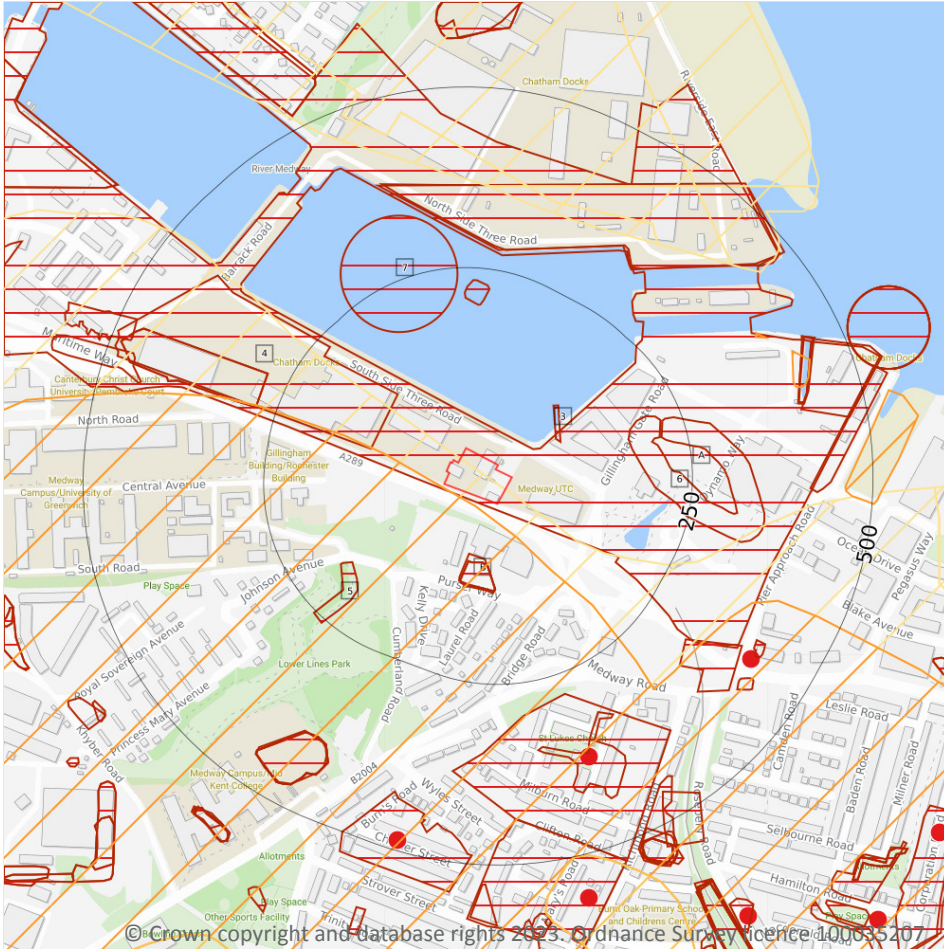
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

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

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

3

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

Features are displayed on the Mining and ground workings map on [page 123](#) >

ID	Location	Details	Description
E	372m S	Name: Shalder's Top Brick Field Address: GILLINGHAM, Kent Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	412m SE	Name: Walnut Tree Brick Field Address: GILLINGHAM, Kent Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	485m S	Name: Medway Villas Brick Field Address: GILLINGHAM, Kent Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	10
----------------------------	-----------

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 123](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Dock	1933	1:10560
B	78m S	Unspecified Pits	1907	1:10560
3	81m NE	Unspecified Wharf	1865	1:10560
B	84m S	Unspecified Pits	1938	1:10560
B	84m S	Unspecified Pits	1933	1:10560
4	107m NW	Dock Yard	1990	1:10000
5	167m SW	Cuttings	1907	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
6	170m E	Water Body	1865	1:10560
7	178m N	Dock Yard	1907	1:10560
A	199m N	Unspecified Ground Workings	1865	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

1

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

Features are displayed on the Mining and ground workings map on [page 123](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
-	736m W	Unspecified Shaft	1865	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

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

16

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 123](#) >

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
2	5m W	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.
C	348m N	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
9	362m N	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
10	364m N	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
11	373m N	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
12	389m NE	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.
H	411m E	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.



ID	Location	Name	Commodity	Class	Likelihood
14	424m NE	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
15	462m E	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.
16	473m NE	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
17	501m S	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
20	585m E	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
24	656m S	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	704m E	Not available	Chalk/Sand	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.
-	938m NW	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.



18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

1

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

Location	Mineral type
On site	Stone

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.



18.12 Coal mining

Records on site	0
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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
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The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

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

18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

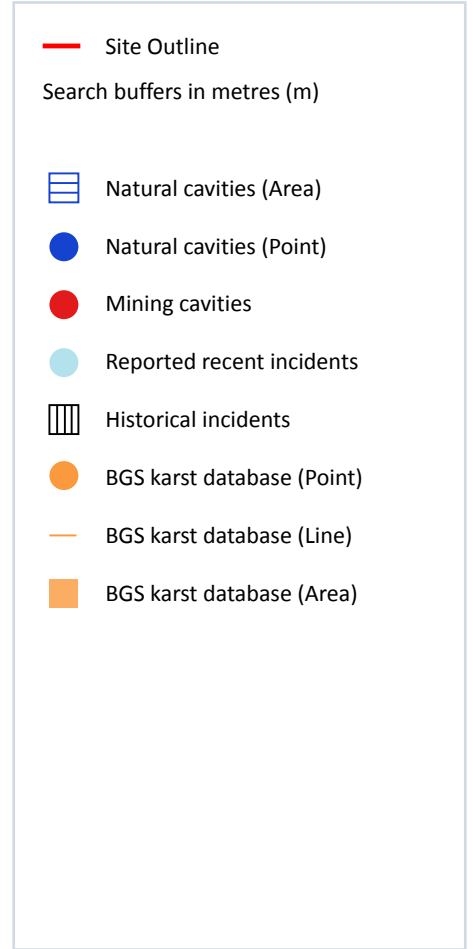
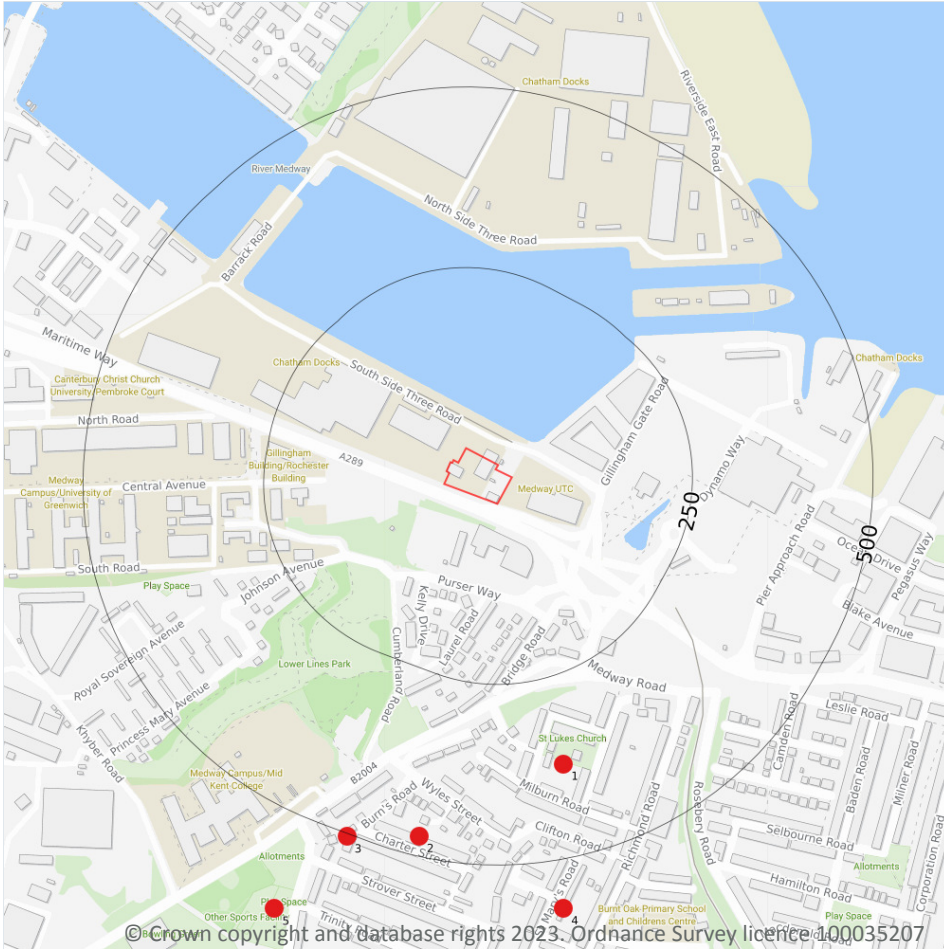
18.16 Clay mining

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

7

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

Features are displayed on the Ground cavities and sinkholes map on [page 130 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
1	372m S	Gillingham, Kent	Chalk	-	-
2	473m S	Gillingham, Kent	Chalk	-	-
3	504m S	Gillingham, Kent	Chalk	-	-
4	568m S	Gillingham, Kent	Chalk	-	-
5	633m SW	Gillingham, Kent	Firestone, Freestone, Hearthstone , Honestone, Ragstone, Sandstone, Scythestone , Silver Sand, Whetstone	THE IRON INDUSTRY OF THE WEALD	LEICESTER UNIVERSITY PRESS
-	887m SE	Navvrow Brick Field, Gillingham, Kent	Chalk	-	-
-	916m SE	Gillingham, Kent	Unknown	-	Chelsea Speleological Society

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.



19.4 Historical incidents

Records within 500m

0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

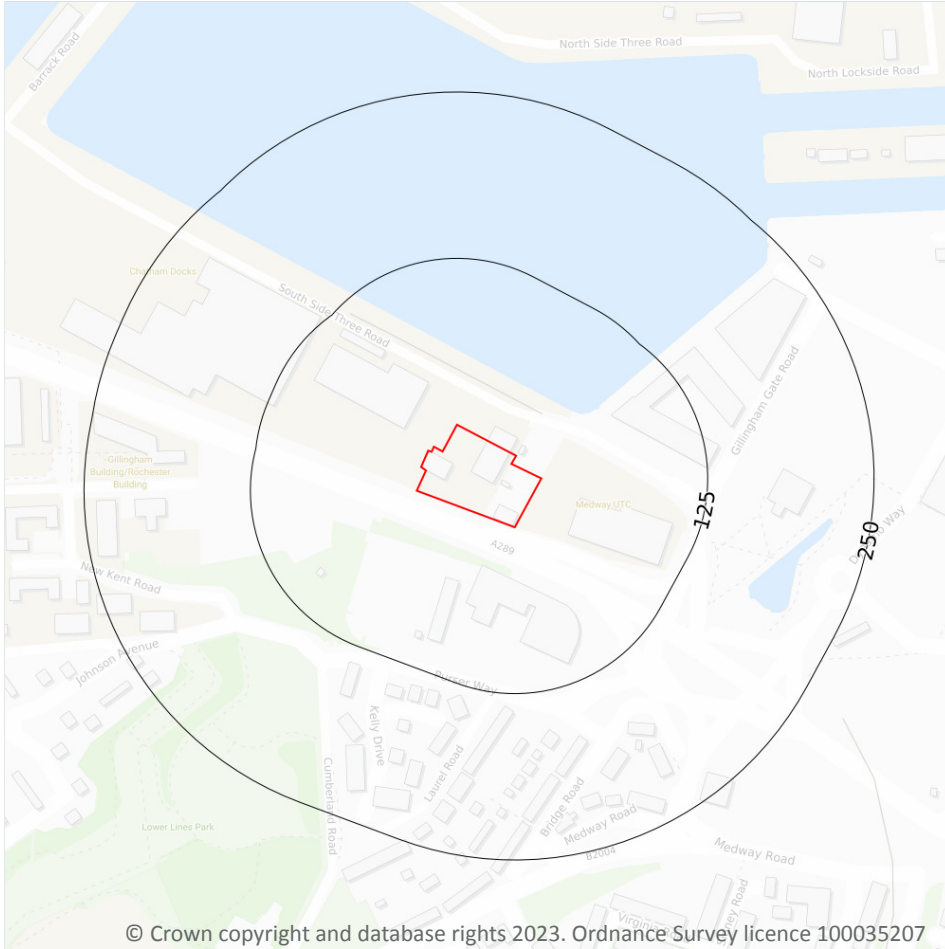
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



— Site Outline
 Search buffers in metres (m)

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

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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 133](#) >

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

3

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 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
5m W	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 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

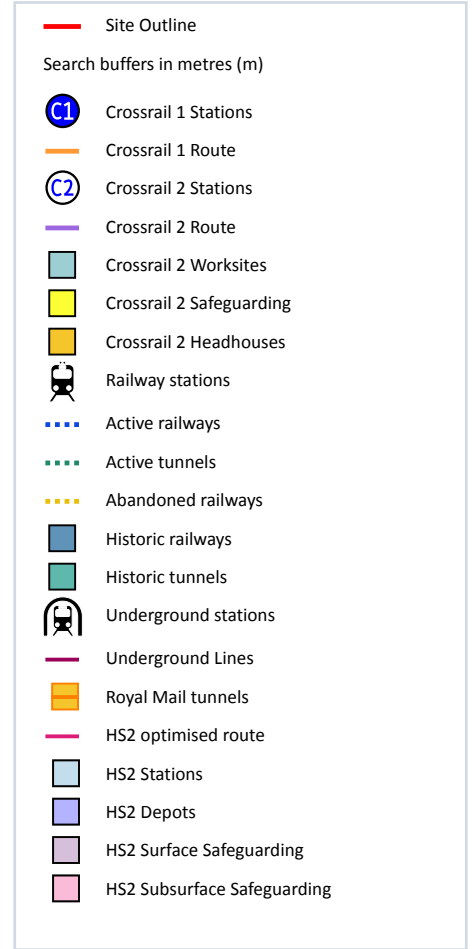
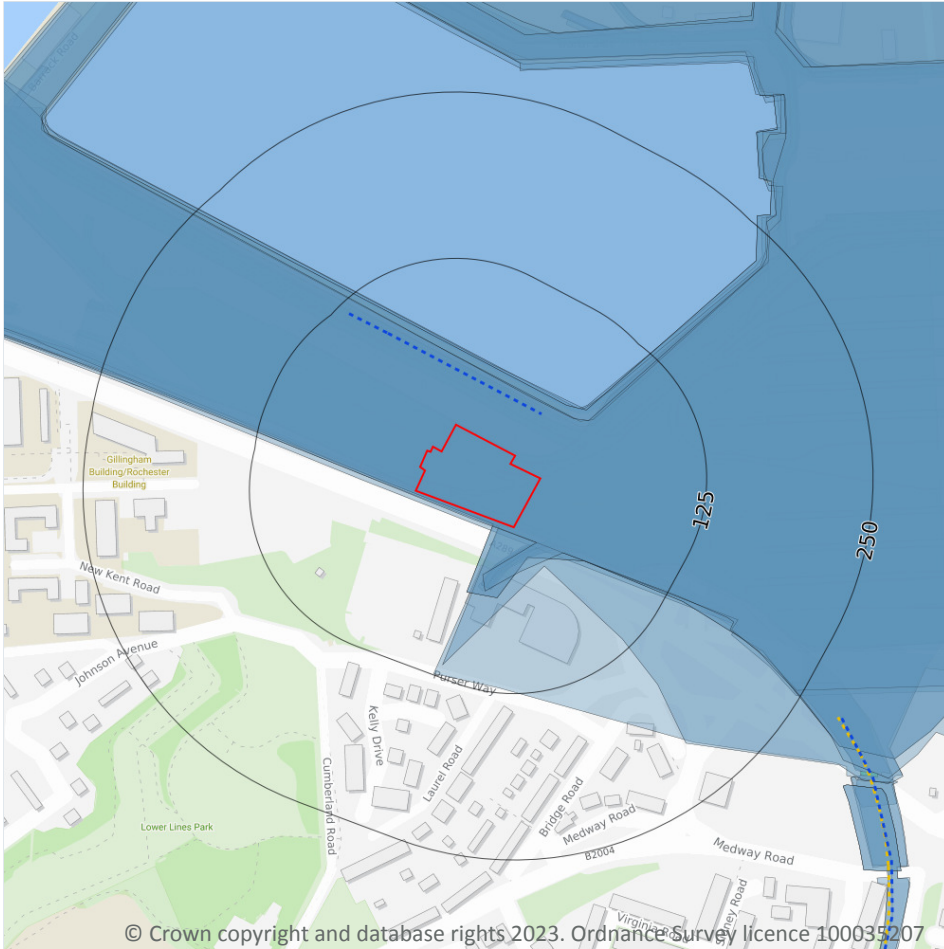
0

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



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22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

18

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

Features are displayed on the Railway infrastructure and projects map on [page 136 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1967	2500
On site	Railway Sidings	1932	2500
On site	Railway Sidings	1965	1250
On site	Railway Sidings	1987	1250
On site	Railway	1932	-
On site	Railway Sidings	1990	10000
On site	Tramway Sidings	1933	10560
On site	Railway Sidings	1967	10560
On site	Railway Sidings	1979	10000
On site	Railway Sidings	1973	10000
On site	Railway Sidings	1938	10560
23m NE	Tramway Sidings	1932	2500
58m E	Tramway Sidings	1932	2500
172m E	Railway Sidings	1982	1250
172m E	Railway Sidings	1965	1250
198m SE	Railway Sidings	1985	1250
239m SE	Railway	1932	-



Location	Land Use	Year of mapping	Mapping scale
250m W	Railway Sidings	1984	1250

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0
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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
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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	2
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Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

Features are displayed on the Railway infrastructure and projects map on [page 136 >](#)

Location	Name	Type
37m NE	Not given	Single Track
86m NW	Not given	Single Track

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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