Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

1, ADRIAN STREET, DOVER, CT17 9AT

Order Details

Date: 05/05/2020

Your ref: 002NIDOP1

Our Ref: WES-6756295

Client: Wesson Environmental

Site Details

Location: 631912 141240

Area: 0.06 ha

Authority: Dover District Council

Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	0	1	37	36	-
17	1.2	Historical tanks	0	0	10	22	-
19	1.3	Historical energy features	0	1	6	12	-
20	1.4	Historical petrol stations	0	0	0	1	-
20	1.5	Historical garages	0	0	5	21	-
22	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
23	2.1	Historical industrial land uses	0	1	45	58	-
27	2.2	Historical tanks	0	0	21	29	-
29	2.3	Historical energy features	0	6	32	38	-
32	2.4	Historical petrol stations	0	0	0	2	-
33	2.5	Historical garages	0	0	9	37	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
35	3.1	Active or recent landfill	0	0	0	0	-
35	3.2	Historical landfill (BGS records)	0	0	0	0	-
36	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
36	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
36	3.5	Historical waste sites	0	0	0	0	-
36	3.6	Licensed waste sites	0	0	0	0	-
36	3.7	Waste exemptions	0	0	3	13	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
39	4.1	Recent industrial land uses	0	2	18	-	-
41	4.2	Current or recent petrol stations	0	0	0	4	-
41	4.3	Electricity cables	0	0	0	0	-
41	4.4	Gas pipelines	0	0	0	0	-
41	4.5	Sites determined as Contaminated Land	0	0	0	0	-

42	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
42	4.7	Regulated explosive sites	0	0	0	0	-
42	4.8	Hazardous substance storage/usage	0	0	0	0	-
42	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
42	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
43	**4.11**	**Licensed pollutant release (Part A(2)/B)**	0	0	0	5	-
43	4.12	Radioactive Substance Authorisations	0	0	0	0	-
44	**4.13**	**Licensed Discharges to controlled waters**	0	0	6	8	-
46	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
46	4.15	Pollutant release to public sewer	0	0	0	0	-
46	4.16	List 1 Dangerous Substances	0	0	0	0	-
46	4.17	List 2 Dangerous Substances	0	0	0	0	-
46	**4.18**	**Pollution Incidents (EA/NRW)**	0	0	1	2	-
47	4.19	Pollution inventory substances	0	0	0	0	-
47	4.20	Pollution inventory waste transfers	0	0	0	0	-
47	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
49	**5.1**	**Superficial aquifer**	Identified (within 500m)				
51	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
52	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
53	**5.4**	**Groundwater vulnerability- soluble rock risk**	Identified (within 0m)				
53	5.5	Groundwater vulnerability- local information	None (within 0m)				
55	**5.6**	**Groundwater abstractions**	0	0	0	0	19
59	5.7	Surface water abstractions	0	0	0	0	0
60	**5.8**	**Potable abstractions**	0	0	0	0	17
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	7	-	-

65	6.2	Surface water features	0	0	3	-	-
65	6.3	WFD Surface water body catchments	1	-	-	-	-
66	6.4	WFD Surface water bodies	0	0	2	-	-
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 Sea (RoFRaS)	None (within 50m)				
67	7.2	Historical Flood Events	0	0	0	-	-
67	7.3	Flood Defences	0	0	0	-	-
67	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
68	7.5	Flood Storage Areas	0	0	0	-	-
69	7.6	Flood Zone 2	None (within 50m)				
69	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding	
70	8.1	Surface water flooding	1 in 30 year, 0.3m - 1.0m (within 50m)

Page	Section	Groundwater flooding	
72	9.1	Groundwater flooding	High (within 50m)

Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
73	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	4
74	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
74	10.3	Special Areas of Conservation (SAC)	0	0	0	0	1
75	10.4	Special Protection Areas (SPA)	0	0	0	0	0
75	10.5	National Nature Reserves (NNR)	0	0	0	0	0
75	10.6	Local Nature Reserves (LNR)	0	0	1	0	3
75	10.7	Designated Ancient Woodland	0	0	0	0	0
76	10.8	Biosphere Reserves	0	0	0	0	0
76	10.9	Forest Parks	0	0	0	0	0
76	10.10	Marine Conservation Zones	0	0	0	0	1
76	10.11	Green Belt	0	0	0	0	0
77	10.12	Proposed Ramsar sites	0	0	0	0	0

77	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
77	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
77	10.15	Nitrate Sensitive Areas	0	0	0	0	0
78	**10.16**	**Nitrate Vulnerable Zones**	0	0	0	0	1
79	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
80	**10.18**	**SSSI Units**	0	0	0	0	9
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
84	11.1	World Heritage Sites	0	0	0	-	-
85	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
85	11.3	National Parks	0	0	0	-	-
85	**11.4**	**Listed Buildings**	0	1	12	-	-
86	**11.5**	**Conservation Areas**	0	0	4	-	-
87	**11.6**	**Scheduled Ancient Monuments**	0	0	6	-	-
87	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
88	**12.1**	**Agricultural Land Classification**	Urban (within 250m)				
89	**12.2**	**Open Access Land**	0	0	2	-	-
89	12.3	Tree Felling Licences	0	0	0	-	-
89	**12.4**	**Environmental Stewardship Schemes**	0	0	1	-	-
90	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
91	**13.1**	**Priority Habitat Inventory**	0	0	5	-	-
92	**13.2**	**Habitat Networks**	1	0	2	-	-
92	13.3	Open Mosaic Habitat	0	0	0	-	-
92	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
93	**14.1**	**10k Availability**	Identified (within 500m)				
94	14.2	Artificial and made ground (10k)	0	0	0	0	-
95	**14.3**	**Superficial geology (10k)**	1	2	0	2	-

96	14.4	Landslip (10k)	0	0	0	0	-
97	14.5	Bedrock geology (10k)	1	0	1	3	-
98	14.6	Bedrock faults and other linear features (10k)	0	0	0	1	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
99	15.1	50k Availability	Identified (within 500m)				
100	15.2	Artificial and made ground (50k)	0	0	0	0	-
100	15.3	Artificial ground permeability (50k)	0	0	-	-	-
101	15.4	Superficial geology (50k)	2	1	1	2	-
102	15.5	Superficial permeability (50k)	Identified (within 50m)				
102	15.6	Landslip (50k)	0	0	0	0	-
102	15.7	Landslip permeability (50k)	None (within 50m)				
103	15.8	Bedrock geology (50k)	1	0	1	3	-
104	15.9	Bedrock permeability (50k)	Identified (within 50m)				
104	15.10	Bedrock faults and other linear features (50k)	0	0	0	1	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
105	16.1	BGS Boreholes	0	0	3	-	-
Page	Section	Natural ground subsidence					
107	17.1	Shrink swell clays	Very low (within 50m)				
108	17.2	Running sands	Low (within 50m)				
110	17.3	Compressible deposits	Moderate (within 50m)				
112	17.4	Collapsible deposits	Very low (within 50m)				
113	17.5	Landslides	Moderate (within 50m)				
115	17.6	Ground dissolution of soluble rocks	Very low (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
117	18.1	Natural cavities	0	0	0	0	-
118	18.2	BritPits	0	0	0	0	-
118	18.3	Surface ground workings	0	0	33	-	-
119	18.4	Underground workings	0	0	0	7	6
120	18.5	Historical Mineral Planning Areas	0	0	0	0	-

120	**18.6**	**Non-coal mining**	1	0	0	0	0
121	**18.7**	**Mining cavities**	0	0	2	2	6
122	18.8	JPB mining areas	None (within 0m)				
122	18.9	Coal mining	None (within 0m)				
122	18.10	Brine areas	None (within 0m)				
122	18.11	Gypsum areas	None (within 0m)				
122	18.12	Tin mining	None (within 0m)				
123	18.13	Clay mining	None (within 0m)				

Page	Section	Radon	
124	**19.1**	**Radon**	Between 3% and 5% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
125	**20.1**	**BGS Estimated Background Soil Chemistry**	2	2	-	-	-
125	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
125	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
126	21.1	Underground railways (London)	0	0	0	-	-
126	21.2	Underground railways (Non-London)	0	0	0	-	-
127	21.3	Railway tunnels	0	0	0	-	-
127	**21.4**	**Historical railway and tunnel features**	0	0	20	-	-
128	21.5	Royal Mail tunnels	0	0	0	-	-
128	21.6	Historical railways	0	0	0	-	-
128	21.7	Railways	0	0	0	-	-
128	21.8	Crossrail 1	0	0	0	0	-
129	21.9	Crossrail 2	0	0	0	0	-
129	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 06/05/2018

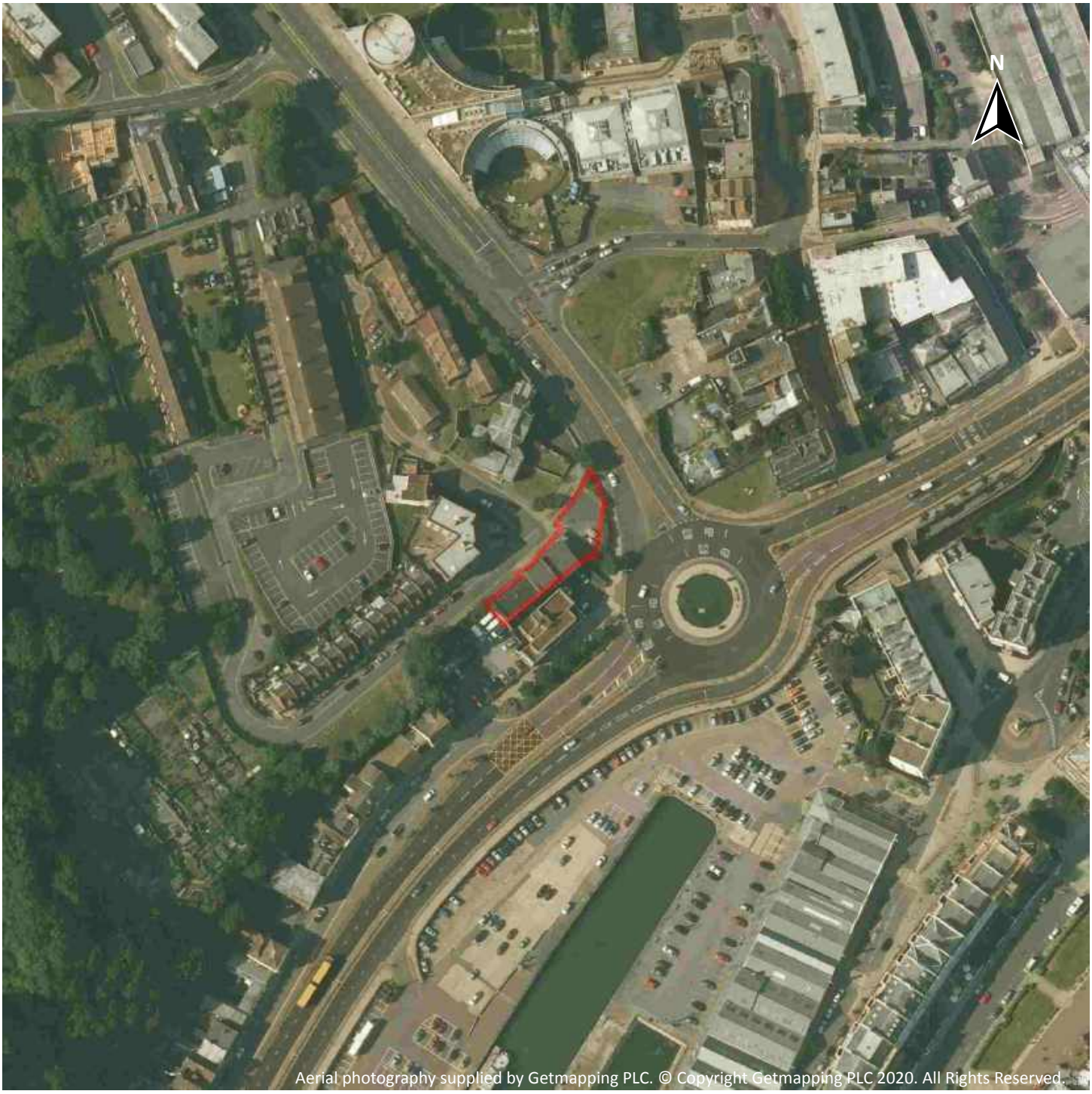
Site Area: 0.06ha

Recent site history - 2015 aerial photograph

Capture Date: 15/04/2015

Site Area: 0.06ha

Recent site history - 2008 aerial photograph



Capture Date: 24/07/2008

Site Area: 0.06ha

Recent site history - 2006 aerial photograph

Capture Date: 30/06/2006

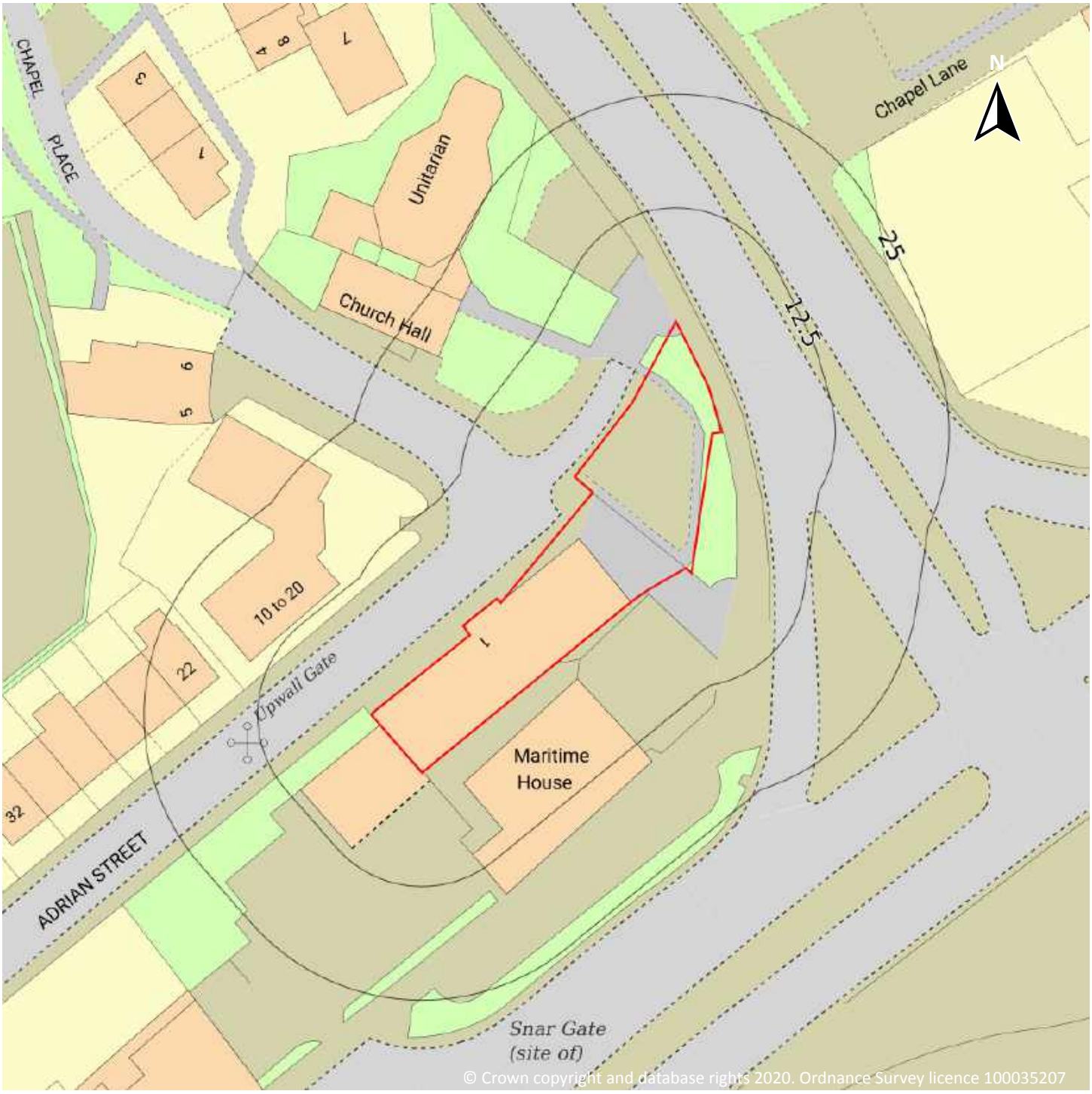
Site Area: 0.06ha

Recent site history - 1999 aerial photograph

Capture Date: 29/08/1999

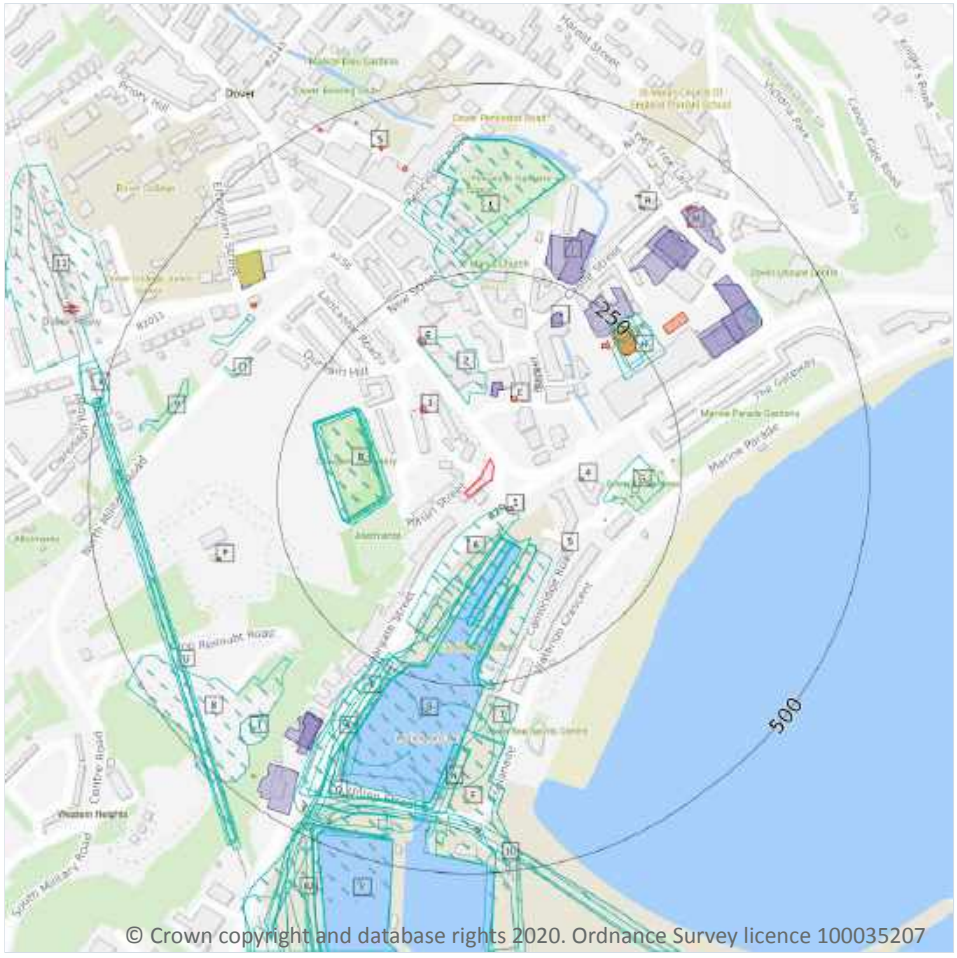
Site Area: 0.06ha

OS MasterMap site plan



Site Area: 0.06ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical petrol stations

Historical garages

1.1 Historical industrial land uses

Records within 500m	74

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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
A	31m SE	Unspecified Depot	1979	2351875

ID	Location	Land use	Dates present	Group ID
A	59m SE	Quay	1938	2359753
A	59m SE	Quay	1938	2359762
A	62m SE	Quay	1897 - 1906	2352814
A	68m SE	Quay	1938	2358935
A	77m SE	Quay	1979	2362012
B	78m SE	Dock	1979	2357089
B	78m SE	Dock	1961 - 1973	2365245
2	80m N	Unspecified Works	1979	2348409
D	97m W	Cemetery	1872	2359284
A	98m SE	Quay	1938	2345570
A	98m SE	Quay	1938	2345573
D	103m W	Cemetery	1961 - 1979	2359929
D	105m W	Old Cemetery	1906	2361780
D	106m W	Old Cemetery	1938	2362363
A	108m SW	Unspecified Works	1979	2348407
D	109m W	Old Cemetery	1938	2355518
D	109m W	Cemetery	1897	2362766
E	110m S	Quay	1938	2358903
A	111m SE	Quay	1906	2355588
F	119m S	Railway Sidings	1973	2355820
F	119m S	Railway Sidings	1961	2363668
A	123m S	Quay	1897	2352014
A	123m S	Quay	1938	2364554
A	130m SE	Quay	1979	2352082
A	138m S	Quay	1897	2353632
G	151m E	Unspecified Commercial/Industrial	1906	2350521
G	185m E	Tank	1906	2350465
H	209m NE	Bus Depot	1979	2347554

ID	Location	Land use	Dates present	Group ID
H	219m NE	Unspecified Commercial/Industrial	1906	2362642
H	222m NE	Unspecified Commercial/Industrial	1872	2352645
H	232m NE	Unspecified Tank	1938	2356207
H	232m NE	Tank	1906	2350466
J	233m N	Timber Yard	1897 - 1906	2353670
E	233m SW	Quay	1979	2362558
H	235m NE	Unspecified Tank	1872	2353636
K	241m SW	Quay	1938	2354888
K	244m SW	Commercial Quay	1906	2349454
J	262m N	Tinker Yard	1938	2346828
B	264m S	Quay	1961 - 1973	2359309
7	264m S	Quay	1979	2361142
F	268m S	Railway Sidings	1897 - 1906	2359054
J	278m N	Timber Yard	1938	2362344
8	322m SW	Barracks	1961	2351694
N	328m S	Quay	1938	2363874
N	329m S	Quay	1906	2360340
O	333m NW	Unspecified Ground Workings	1906	2347242
Q	339m SW	Quay	1897	2363271
O	362m NW	Unspecified Ground Workings	1906	2347230
Q	364m SW	Railway Sidings	1938	2359876
Q	373m SW	Quay	1938	2365470
9	390m W	Unspecified Ground Workings	1872	2347240
H	390m NE	Unspecified Tank	1973	2348287
T	401m SW	Unspecified Pit	1961 - 1979	2359866
T	414m SW	Unspecified Shaft	1979	2348999
U	424m W	Tunnel	1961 - 1979	2352564
F	425m S	Unspecified Works	1979	2348410

ID	Location	Land use	Dates present	Group ID
U	427m W	Tunnel	1897	2363237
U	427m W	Tunnel	1938	2363326
U	428m W	Tunnel	1906 - 1938	2353820
F	434m S	Railway Buildings	1897	2349417
Q	435m S	Quay	1906	2363477
Q	435m S	Quay	1938	2356359
Q	438m S	Quay	1938	2357942
F	445m S	Railway Buildings	1897	2349416
V	467m S	Dock	1979	2353612
V	467m S	Dock	1961 - 1973	2358697
10	470m S	Railway Buildings	1897	2349415
W	481m SW	Quay	1906	2354656
W	483m SW	Quay	1938	2363248
W	486m SW	Railway Sidings	1938	2363791
11	488m W	Railway Sidings	1961 - 1973	2359310
X	488m W	Cuttings	1961 - 1979	2355815
X	495m W	Cuttings	1872 - 1897	2355148

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**32**

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
4	117m E	Unspecified Tank	1865	425285

ID	Location	Land use	Dates present	Group ID
5	130m SE	Unspecified Tank	1996	423084
G	159m E	Unspecified Tank	1994 - 1996	423646
H	170m NE	Unspecified Tank	1865	424720
G	176m E	Unspecified Tank	1994 - 1996	425194
G	185m E	Unspecified Tank	1898	423082
G	211m E	Unspecified Tank	1994 - 1996	423555
G	222m E	Unspecified Tank	1994 - 1996	424404
H	224m NE	Gasometer	1865 - 1907	425557
G	236m E	Unspecified Tank	1994 - 1996	423795
H	267m NE	Unspecified Tank	1956	424197
H	323m NE	Unspecified Tank	1865	425050
P	337m W	Unspecified Tank	1988	425718
P	337m W	Unspecified Tank	1956	423467
P	337m W	Unspecified Tank	1973	423751
P	337m W	Unspecified Tank	1988	423879
P	337m W	Unspecified Tank	1992	424558
P	337m W	Unspecified Tank	1969	424677
P	337m W	Unspecified Tank	1956	424975
P	337m W	Unspecified Tank	1956	425496
P	338m W	Unspecified Tank	1993	423565
P	338m W	Unspecified Tank	1994	424022
P	338m W	Unspecified Tank	1996	424714
P	338m W	Unspecified Tank	1993	425135
P	338m W	Unspecified Tank	1994	425187
R	390m NE	Tanks	1871	421632
R	400m NE	Tanks	1865	425023
R	443m NE	Unspecified Tank	1865	425429
S	444m N	Unspecified Tank	1968 - 1974	425104

ID	Location	Land use	Dates present	Group ID
R	456m NE	Unspecified Tank	1865	424138
Q	467m SW	Unspecified Tank	1898	423087
S	480m N	Unspecified Tank	1956	425549

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**19**

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
1	41m SE	Electricity Substation	1973 - 1993	301698
C	83m N	Electricity Substation	1992 - 1996	302873
3	105m NW	Electricity Substation	1969 - 1996	301590
6	176m NW	Electricity Substation	1992 - 1996	302404
A	188m S	Electricity Substation	1994 - 1996	302703
H	210m NE	Electricity Substation	1970 - 1996	302670
H	224m NE	Gasometer	1865 - 1907	302200
H	289m NE	Electrical Depot	1970	300775
O	371m NW	Electricity Substation	1973	300988
O	372m NW	Electricity Substation	1988 - 1996	301439
S	398m N	Electricity Substation	1968 - 1996	302660
M	406m NE	Electricity Substation	1956	303025
M	419m NE	Electricity Substation	1970	301408
M	422m NE	Electricity Substation	1979 - 1994	302390
S	435m N	Electricity Substation	1968 - 1996	300991

ID	Location	Land use	Dates present	Group ID
F	440m S	Electricity Substation	1995	300747
Q	463m SW	Electricity Substation	1979 - 1986	301225
Q	465m SW	Electricity Substation	1994 - 1995	302067
S	490m NW	Electricity Substation	1983 - 1996	302147

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	**1**

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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
O	386m NW	Filling Station	1988	4658

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	**26**

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
C	84m N	Garage	1956 - 1973	89193
C	84m N	Garage	1956	89500
I	193m NE	Garage	1962	89168

ID	Location	Land use	Dates present	Group ID
I	193m NE	Garage	1956	89507
H	217m NE	Garage	1970	88688
L	255m N	Garage	1956 - 1970	89457
L	256m NE	Garage	1956	89008
L	264m N	Garage	1968 - 1974	89378
M	311m NE	Garage	1970	89160
H	322m NE	Garage	1994	88809
H	322m NE	Garage	1970	88818
M	351m NE	Garage	1937	88784
K	355m SW	Garage	1968	88918
K	355m SW	Garage	1994 - 1995	89343
K	355m SW	Garage	1969 - 1986	89437
K	356m SW	Garage	1979 - 1984	89543
H	359m NE	Garage	1970	89096
H	359m NE	Garage	1956 - 1962	89541
M	359m NE	Garage	1956	89469
H	377m NE	Garage	1970 - 1979	89226
H	377m NE	Garage	1962	89031
O	384m NW	Garage	1956	89285
O	385m NW	Garage	1956 - 1974	89476
O	386m NW	Garage	1983	88926
M	408m NE	Garage	1970 - 1979	89259
Q	430m SW	Garage	1968 - 1969	89316

This data is sourced from Ordnance Survey / Groundsure.

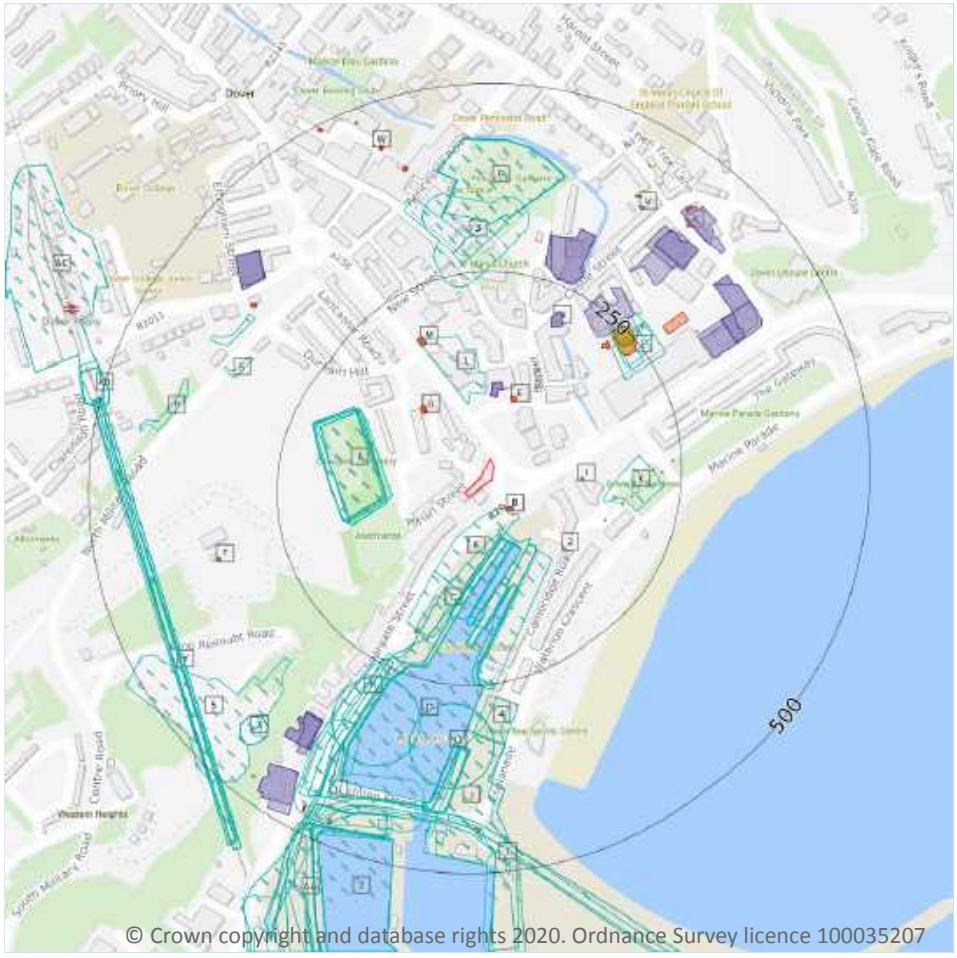
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical petrol stations

Historical garages

2.1 Historical industrial land uses

Records within 500m	104

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 23**

ID	Location	Land Use	Date	Group ID
A	31m SE	Unspecified Depot	1979	2351875
A	59m SE	Quay	1938	2359753
A	59m SE	Quay	1938	2359762

ID	Location	Land Use	Date	Group ID
C	62m SE	Quay	1906	2352814
A	68m SE	Quay	1938	2358935
A	68m SE	Quay	1938	2358935
A	68m SE	Quay	1897	2352814
A	77m SE	Quay	1979	2362012
D	78m SE	Dock	1973	2365245
D	78m SE	Dock	1961	2365245
D	78m SE	Dock	1979	2357089
1	80m N	Unspecified Works	1979	2348409
F	97m W	Cemetery	1872	2359284
A	98m SE	Quay	1938	2345570
A	98m SE	Quay	1938	2345573
F	103m W	Cemetery	1973	2359929
F	103m W	Cemetery	1961	2359929
F	103m W	Cemetery	1979	2359929
F	105m W	Old Cemetery	1906	2361780
F	106m W	Old Cemetery	1938	2362363
C	108m SW	Unspecified Works	1979	2348407
F	109m W	Old Cemetery	1938	2355518
F	109m W	Old Cemetery	1938	2355518
F	109m W	Cemetery	1897	2362766
H	110m S	Quay	1938	2358903
A	111m SE	Quay	1906	2355588
J	119m S	Railway Sidings	1973	2355820
J	119m S	Railway Sidings	1961	2363668
A	123m S	Quay	1938	2364554
A	123m S	Quay	1938	2364554
A	123m S	Quay	1897	2352014

ID	Location	Land Use	Date	Group ID
A	130m SE	Quay	1979	2352082
C	138m S	Quay	1897	2353632
K	151m E	Unspecified Commercial/Industrial	1906	2350521
K	185m E	Tank	1906	2350465
L	209m NE	Bus Depot	1979	2347554
L	219m NE	Unspecified Commercial/Industrial	1906	2362642
L	222m NE	Unspecified Commercial/Industrial	1872	2352645
L	232m NE	Unspecified Tank	1938	2356207
L	232m NE	Tank	1906	2350466
3	233m N	Timber Yard	1897	2353670
H	233m SW	Quay	1979	2362558
L	235m NE	Unspecified Tank	1872	2353636
H	241m SW	Quay	1938	2354888
H	241m SW	Quay	1938	2354888
H	244m SW	Commercial Quay	1906	2349454
P	262m N	Tinker Yard	1938	2346828
H	264m S	Quay	1973	2359309
H	264m S	Quay	1961	2359309
4	264m S	Quay	1979	2361142
J	268m S	Railway Sidings	1897	2359054
Q	275m S	Quay	1973	2359309
Q	275m S	Quay	1961	2359309
P	278m N	Timber Yard	1938	2362344
P	313m N	Timber Yard	1906	2353670
5	322m SW	Barracks	1961	2351694
Q	328m S	Quay	1938	2363874
Q	328m S	Quay	1938	2363874
Q	329m S	Quay	1906	2360340

ID	Location	Land Use	Date	Group ID
Q	330m S	Quay	1938	2363874
Q	330m S	Quay	1938	2363874
S	333m NW	Unspecified Ground Workings	1906	2347242
U	339m SW	Quay	1897	2363271
S	362m NW	Unspecified Ground Workings	1906	2347230
U	364m SW	Railway Sidings	1938	2359876
U	373m SW	Quay	1938	2365470
6	390m W	Unspecified Ground Workings	1872	2347240
L	390m NE	Unspecified Tank	1973	2348287
X	401m SW	Unspecified Pit	1973	2359866
X	401m SW	Unspecified Pit	1961	2359866
X	401m SW	Unspecified Pit	1979	2359866
J	413m SW	Railway Sidings	1906	2359054
X	414m SW	Unspecified Shaft	1979	2348999
Y	424m W	Tunnel	1973	2352564
Y	424m W	Tunnel	1961	2352564
Y	424m W	Tunnel	1979	2352564
J	425m S	Unspecified Works	1979	2348410
Y	427m W	Tunnel	1938	2363326
Y	427m W	Tunnel	1938	2363326
Y	427m W	Tunnel	1897	2363237
Y	428m W	Tunnel	1906	2353820
Y	429m W	Tunnel	1938	2353820
J	434m S	Railway Buildings	1897	2349417
U	435m S	Quay	1906	2363477
U	435m S	Quay	1938	2356359
U	438m S	Quay	1938	2357942
U	438m S	Quay	1938	2357942

ID	Location	Land Use	Date	Group ID
J	445m S	Railway Buildings	1897	2349416
Z	467m S	Dock	1973	2358697
Z	467m S	Dock	1961	2358697
Z	467m S	Dock	1979	2353612
7	470m S	Railway Buildings	1897	2349415
AA	481m SW	Quay	1906	2354656
AA	483m SW	Quay	1938	2363248
AA	483m SW	Quay	1938	2363248
AA	486m SW	Railway Sidings	1938	2363791
AA	486m SW	Railway Sidings	1938	2363791
AB	488m W	Cuttings	1973	2355815
AB	488m W	Cuttings	1961	2355815
AB	488m W	Cuttings	1979	2355815
AC	488m W	Railway Sidings	1973	2359310
AC	488m W	Railway Sidings	1961	2359310
AB	495m W	Cuttings	1872	2355148
AB	496m W	Cuttings	1897	2355148

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**50**

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 23**

ID	Location	Land Use	Date	Group ID
I	117m E	Unspecified Tank	1865	425285
I	117m E	Unspecified Tank	1865	425285
2	130m SE	Unspecified Tank	1996	423084

ID	Location	Land Use	Date	Group ID
K	159m E	Unspecified Tank	1994	423646
K	159m E	Unspecified Tank	1996	423646
L	170m NE	Unspecified Tank	1865	424720
L	170m NE	Unspecified Tank	1865	424720
K	176m E	Unspecified Tank	1994	425194
K	176m E	Unspecified Tank	1996	425194
K	185m E	Unspecified Tank	1898	423082
K	211m E	Unspecified Tank	1994	423555
K	211m E	Unspecified Tank	1996	423555
K	222m E	Unspecified Tank	1994	424404
K	222m E	Unspecified Tank	1996	424404
L	224m NE	Gasometer	1871	425557
L	230m NE	Gasometer	1898	425557
L	230m NE	Gasometer	1907	425557
L	230m NE	Gasometer	1865	425557
L	230m NE	Gasometer	1865	425557
K	236m E	Unspecified Tank	1994	423795
K	236m E	Unspecified Tank	1996	423795
L	267m NE	Unspecified Tank	1956	424197
L	267m NE	Unspecified Tank	1956	424197
L	323m NE	Unspecified Tank	1865	425050
L	323m NE	Unspecified Tank	1865	425050
T	337m W	Unspecified Tank	1973	423751
T	337m W	Unspecified Tank	1956	423467
T	337m W	Unspecified Tank	1969	424677
T	337m W	Unspecified Tank	1956	424975
T	337m W	Unspecified Tank	1956	425496
T	337m W	Unspecified Tank	1988	425718

ID	Location	Land Use	Date	Group ID
T	337m W	Unspecified Tank	1988	423879
T	337m W	Unspecified Tank	1992	424558
T	338m W	Unspecified Tank	1996	424714
T	338m W	Unspecified Tank	1993	425135
T	338m W	Unspecified Tank	1994	425187
T	338m W	Unspecified Tank	1994	424022
T	338m W	Unspecified Tank	1993	423565
V	390m NE	Tanks	1871	421632
V	400m NE	Tanks	1865	425023
V	400m NE	Tanks	1865	425023
V	443m NE	Unspecified Tank	1865	425429
V	443m NE	Unspecified Tank	1865	425429
W	444m N	Unspecified Tank	1968	425104
W	444m N	Unspecified Tank	1974	425104
V	456m NE	Unspecified Tank	1865	424138
V	456m NE	Unspecified Tank	1865	424138
U	467m SW	Unspecified Tank	1898	423087
W	480m N	Unspecified Tank	1956	425549
W	480m N	Unspecified Tank	1956	425549

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**76**

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 23**

ID	Location	Land Use	Date	Group ID
B	41m SE	Electricity Substation	1988	301698

ID	Location	Land Use	Date	Group ID
B	41m SE	Electricity Substation	1988	301698
B	41m SE	Electricity Substation	1992	301698
B	41m SE	Electricity Substation	1993	301698
B	41m SE	Electricity Substation	1973	301698
B	42m SE	Electricity Substation	1993	301698
E	83m N	Electricity Substation	1996	302873
E	83m N	Electricity Substation	1993	302873
E	83m N	Electricity Substation	1994	302873
E	83m N	Electricity Substation	1994	302873
E	83m N	Electricity Substation	1993	302873
E	84m N	Electricity Substation	1992	302873
G	105m NW	Electricity Substation	1996	301590
G	105m NW	Electricity Substation	1993	301590
G	105m NW	Electricity Substation	1994	301590
G	105m NW	Electricity Substation	1994	301590
G	105m NW	Electricity Substation	1993	301590
G	106m NW	Electricity Substation	1973	301590
G	106m NW	Electricity Substation	1969	301590
G	107m NW	Electricity Substation	1988	301590
G	107m NW	Electricity Substation	1992	301590
M	176m NW	Electricity Substation	1992	302404
M	177m NW	Electricity Substation	1996	302404
M	177m NW	Electricity Substation	1993	302404
M	177m NW	Electricity Substation	1994	302404
M	177m NW	Electricity Substation	1994	302404
M	177m NW	Electricity Substation	1993	302404
C	188m S	Electricity Substation	1996	302703
C	188m S	Electricity Substation	1994	302703

ID	Location	Land Use	Date	Group ID
C	188m S	Electricity Substation	1994	302703
L	210m NE	Electricity Substation	1970	302670
L	215m NE	Electricity Substation	1994	302670
L	215m NE	Electricity Substation	1996	302670
L	224m NE	Gasometer	1871	302200
L	230m NE	Gasometer	1898	302200
L	230m NE	Gasometer	1907	302200
L	230m NE	Gasometer	1865	302200
L	230m NE	Gasometer	1865	302200
L	289m NE	Electrical Depot	1970	300775
S	371m NW	Electricity Substation	1973	300988
S	372m NW	Electricity Substation	1996	301439
S	372m NW	Electricity Substation	1993	301439
S	372m NW	Electricity Substation	1994	301439
S	372m NW	Electricity Substation	1994	301439
S	372m NW	Electricity Substation	1993	301439
S	372m NW	Electricity Substation	1988	301439
S	372m NW	Electricity Substation	1988	301439
S	372m NW	Electricity Substation	1992	301439
W	398m N	Electricity Substation	1996	302660
W	399m N	Electricity Substation	1968	302660
W	399m N	Electricity Substation	1974	302660
W	400m N	Electricity Substation	1983	302660
W	400m N	Electricity Substation	1988	302660
W	400m N	Electricity Substation	1988	302660
R	406m NE	Electricity Substation	1956	303025
R	407m NE	Electricity Substation	1956	303025
R	419m NE	Electricity Substation	1970	301408

ID	Location	Land Use	Date	Group ID
R	422m NE	Electricity Substation	1994	302390
R	422m NE	Electricity Substation	1979	302390
W	435m N	Electricity Substation	1996	300991
W	436m N	Electricity Substation	1968	300991
W	436m N	Electricity Substation	1974	300991
W	436m N	Electricity Substation	1983	300991
W	436m N	Electricity Substation	1988	300991
W	436m N	Electricity Substation	1988	300991
J	440m S	Electricity Substation	1995	300747
U	463m SW	Electricity Substation	1986	301225
U	464m SW	Electricity Substation	1979	301225
U	464m SW	Electricity Substation	1984	301225
U	465m SW	Electricity Substation	1994	302067
U	465m SW	Electricity Substation	1994	302067
U	465m SW	Electricity Substation	1995	302067
W	490m NW	Electricity Substation	1996	302147
W	491m NW	Electricity Substation	1983	302147
W	491m NW	Electricity Substation	1988	302147
W	491m NW	Electricity Substation	1988	302147

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	**2**

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

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
S	386m NW	Filling Station	1988	4658

ID	Location	Land Use	Date	Group ID
S	386m NW	Filling Station	1988	4658

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	**46**

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

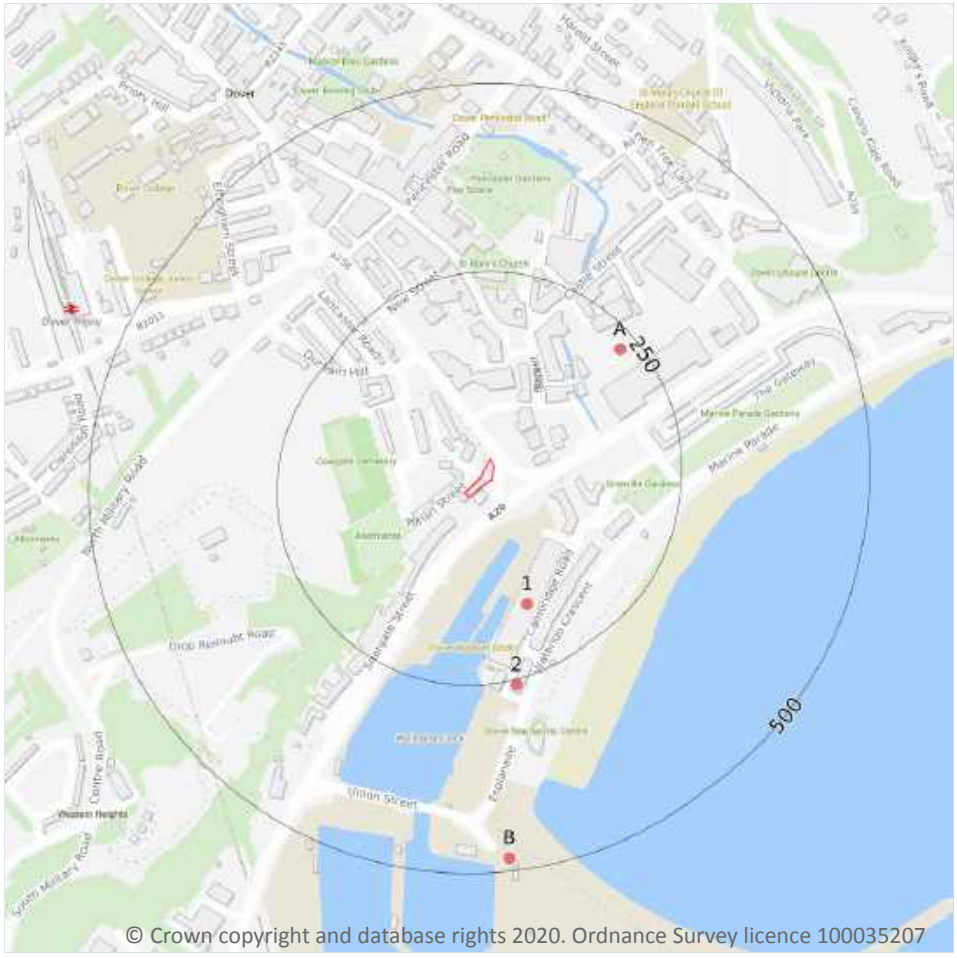
Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
E	84m N	Garage	1973	89193
E	84m N	Garage	1956	89193
E	84m N	Garage	1969	89193
E	84m N	Garage	1956	89500
E	84m N	Garage	1956	89500
N	193m NE	Garage	1962	89168
N	193m NE	Garage	1956	89507
N	194m NE	Garage	1956	89507
L	217m NE	Garage	1970	88688
O	255m N	Garage	1970	89457
O	256m NE	Garage	1956	89008
O	257m NE	Garage	1956	89457
O	264m N	Garage	1968	89378
O	264m N	Garage	1974	89378
R	311m NE	Garage	1970	89160
L	322m NE	Garage	1994	88809
L	322m NE	Garage	1970	88818
R	351m NE	Garage	1937	88784
H	355m SW	Garage	1994	89343

ID	Location	Land Use	Date	Group ID
H	355m SW	Garage	1994	89343
H	355m SW	Garage	1995	89343
H	355m SW	Garage	1968	88918
H	355m SW	Garage	1969	89437
H	355m SW	Garage	1986	89437
H	356m SW	Garage	1979	89543
H	356m SW	Garage	1984	89543
L	359m NE	Garage	1970	89096
L	359m NE	Garage	1962	89541
L	359m NE	Garage	1956	89541
R	359m NE	Garage	1956	89469
L	359m NE	Garage	1956	89541
R	360m NE	Garage	1956	89469
L	377m NE	Garage	1970	89226
L	377m NE	Garage	1970	89226
L	377m NE	Garage	1962	89031
L	383m NE	Garage	1979	89226
S	384m NW	Garage	1956	89285
S	384m NW	Garage	1956	89285
S	385m NW	Garage	1968	89476
S	385m NW	Garage	1974	89476
S	385m NW	Garage	1956	89476
S	386m NW	Garage	1983	88926
R	408m NE	Garage	1970	89259
R	409m NE	Garage	1979	89259
U	430m SW	Garage	1969	89316
U	431m SW	Garage	1968	89316

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	0

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

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

3.5 Historical waste sites

Records within 500m	0

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

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

3.6 Licensed waste sites

Records within 500m	0

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

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

3.7 Waste exemptions

Records within 500m	16

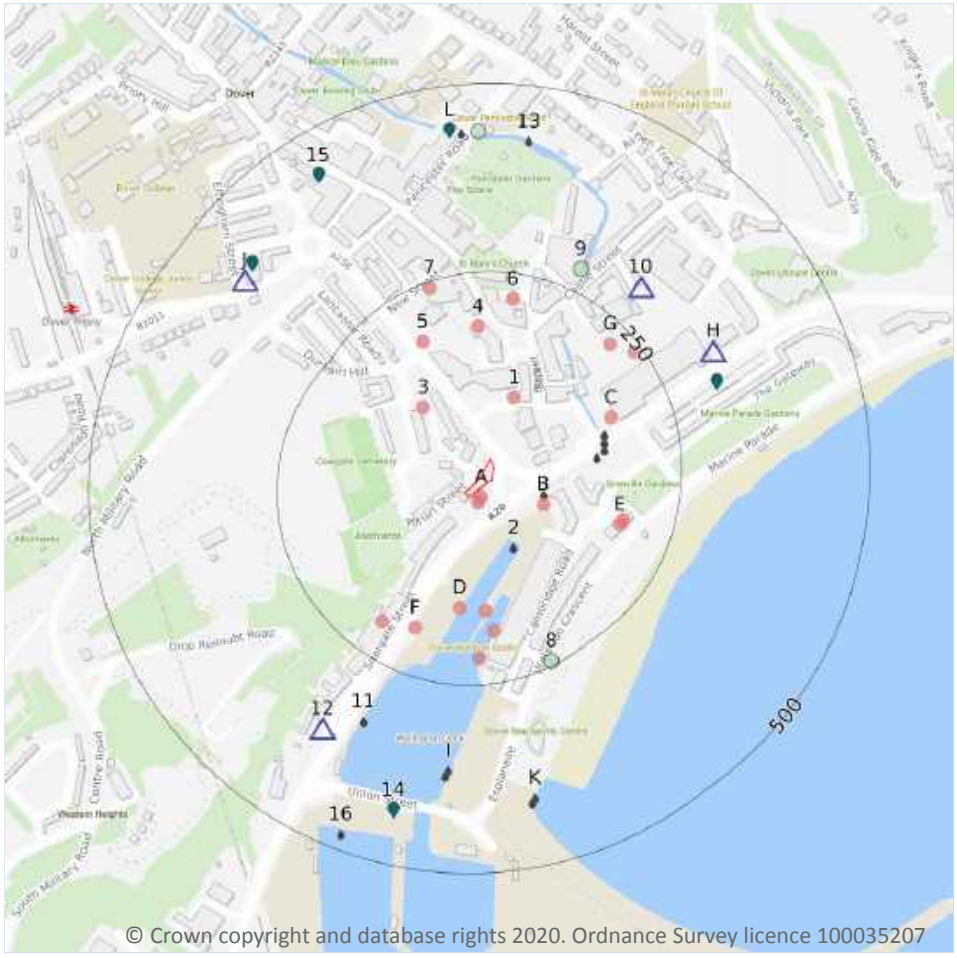
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 35**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	162m SE	CAMBRIDGE ROAD, DOVER, CT17 9BJ	WEX108241	Using waste exemption	Not on a farm	Use of waste in the construction of entertainment or educational installations etc
A	226m NE	St James Development St James Street Kent CT16 1SZ	EPR/BE5144NZ/A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste
A	226m NE	St James Development St James Street Kent CT16 1SZ	EPR/BE5144NZ/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
2	258m S	DWDR Site Offices, Union Street, Dover, CT17 9BU	WEX146526	Using waste exemption	Not on a farm	Use of waste in construction
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Disposing of waste exemption	Not on a farm	Depositing samples of waste for the purposes of testing or analysing them
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Storing waste exemption	Not on a farm	Storage of sludge
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Treating waste exemption	Not on a farm	Sorting mixed waste
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Using waste exemption	Not on a farm	Use of waste in construction
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Using waste exemption	Not on a farm	Use of waste derived biodiesel as fuel
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Using waste exemption	Not on a farm	Use of waste for a specified purpose
B	483m S	Clock Tower, Esplanade, Dover, CT17 9BX	WEX086824	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

Recent industrial land uses

Current or recent petrol stations

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

Licensed Discharges to controlled waters

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	**20**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 39**

ID	Location	Company	Address	Activity	Category
A	10m SE	Use-ip Ltd	First Floor Maritime House, 178-180 Snargate Street, Dover, Kent, CT17 9BZ	Electronic Equipment	Industrial Products
A	13m SE	Hertz Car Hire	173-177, Snargate Street, Dover, Kent, CT17 9BL	Vehicle Hire and Rental	Hire Services
B	75m SE	Electricity Sub Station	Kent, CT16	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
1	89m N	Electricity Sub Station	Kent, CT16	Electrical Features	Infrastructure and Facilities
3	113m NW	Electricity Sub Station	Kent, CT17	Electrical Features	Infrastructure and Facilities
D	147m S	Ballast Quay	Kent, CT17	Moorings and Unloading Facilities	Water
D	153m S	Ballast Quay	Kent, CT17	Moorings and Unloading Facilities	Water
C	169m E	Electricity Sub Station	Kent, CT16	Electrical Features	Infrastructure and Facilities
4	178m N	Hellmann Beverage Logistics	26, Market Square, Dover, Kent, CT16 1NG	Distribution and Haulage	Transport, Storage and Delivery
E	180m E	Benfleet Forwarding Co	1-3, Waterloo Crescent, Dover, Kent, CT16 1LA	Distribution and Haulage	Transport, Storage and Delivery
D	181m S	Quay	Kent, CT17	Moorings and Unloading Facilities	Water
5	181m NW	Electricity Sub Station	Kent, CT16	Electrical Features	Infrastructure and Facilities
E	182m E	Alaine	Basement 1-3, Waterloo Crescent, Dover, Kent, CT16 1LA	Distribution and Haulage	Transport, Storage and Delivery
F	188m S	Electricity Sub Station	Kent, CT17	Electrical Features	Infrastructure and Facilities
F	201m SW	Ardee Hose Ltd	141, Snargate Street, Dover, Kent, CT17 9BZ	General Construction Supplies	Industrial Products
D	214m S	Slipway	Kent, CT17	Moorings and Unloading Facilities	Water
6	215m N	M C L Graphics	9, Church Street, Dover, Kent, CT16 1LY	Clothing, Components and Accessories	Consumer Products
G	221m NE	Electricity Sub Station	Kent, CT16	Electrical Features	Infrastructure and Facilities
G	240m NE	Bus Depot	Kent, CT16	Bus and Coach Stations, Depots and Companies	Public Transport, Stations and Infrastructure
7	242m N	Dover Heritage Taxis	25, New Street, Dover, Kent, CT17 9AJ	Vehicle Hire and Rental	Hire Services

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	4

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 39**

ID	Location	Company	Address	LPG	Status
10	304m NE	OBSOLETE	Maison Dieu Road, Dover, Kent, CT16 1QQ	Not Applicable	Obsolete
H	329m NE	BP	Townwall Street, Dover, Kent, CT16 1JR	No	Closed
12	365m SW	UNBRANDED	Snargate Street, Dover, Kent, CT17 7BZ	No	Non-Retail
J	405m NW	BP	6, Folkestone Road, Effingham Street, Dover, Kent, CT17 9RU	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	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	**5**

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 39**

ID	Location	Address	Details	
H	316m E	BP Townwall Service Station, Townwall Street, Dover, Kent, CT16 1LN	Process: Unloading of Petrol into Storage at Service Stations Status: Revoked Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified
J	410m NW	Priory Service Station, 6-12 Folkestone Road, Dover, Kent, CT17 9RU	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
14	427m S	Arc Union Quay, Union St, Dover, Kent, CT17 9BN	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified
L	441m N	Elms Vale Cleaners, Elms Vale Laundry, 20 Pencester Road, Dover, Kent, CT16 1BW	Process: Solvent Emissions Status: Historical Permit Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified
15	441m NW	Johnsons Dry Cleaners Dover, 71 Biggin Street, Dover, Kent, CT16 1BB	Process: Dry Cleaning Status: Historical 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	**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	**14**

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 39**

ID	Location	Address	Details	
B	72m E	SEWER AT NEW BRIDGE, DOVER, KENT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: K02123 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: SURRENDERED UNDER EPR 2010 Issue date: 04/08/1966 Effective Date: 04/08/1966 Revocation Date: 04/03/2019
2	89m SE	SNARGATE STORM SEWAGE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: D00057 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: 01/07/1991
C	136m E	TOWNWALL STREET, DOVER, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P03762 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/08/1991 Effective Date: 01/08/1991 Revocation Date: 31/03/1997
C	148m E	TOWNWALL STREET, DOVER, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P03761 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/08/1991 Effective Date: 01/08/1991 Revocation Date: 31/03/1997
C	150m E	TOWNWALL STREET, DOVER, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P03760 Permit Version: 1 Receiving Water: CONTROLLED SEA	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/08/1991 Effective Date: 01/08/1991 Revocation Date: 31/03/1997
C	152m E	TOWNWALL STREET, DOVER, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P03759 Permit Version: 1 Receiving Water: CONTROLLED SEA	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/08/1991 Effective Date: 01/08/1991 Revocation Date: 31/03/1997
11	329m SW	WELLINGTON DOCK, DOVER, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P03763 Permit Version: 1 Receiving Water: CONTROLLED SEA	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/08/1991 Effective Date: 01/08/1991 Revocation Date: 31/03/1997

ID	Location	Address	Details	
I	364m S	DOVER WESTERN DOCKS REVIVAL, WELLINGTON DOCK ESPLANADE, DOVER, KENT, CT17 9TF	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRGB3795WN Permit Version: 1 Receiving Water: DOVER HARBOUR	Status: SURRENDERED UNDER EPR 2010 Issue date: 11/10/2017 Effective Date: 11/10/2017 Revocation Date: 18/10/2018
I	373m S	DOVER WESTERN DOCKS REVIVAL, WELLINGTON DOCK ESPLANADE, DOVER, KENT, CT17 9TF	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRGB3795WN Permit Version: 1 Receiving Water: DOVER HARBOUR	Status: SURRENDERED UNDER EPR 2010 Issue date: 11/10/2017 Effective Date: 11/10/2017 Revocation Date: 18/10/2018
K	409m S	DOVER WESTERN DOCKS REVIVAL, WELLINGTON DOCK ESPLANADE, DOVER, KENT, CT17 9TF	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRGB3795WN Permit Version: 1 Receiving Water: DOVER HARBOUR	Status: SURRENDERED UNDER EPR 2010 Issue date: 11/10/2017 Effective Date: 11/10/2017 Revocation Date: 18/10/2018
K	415m S	DOVER WESTERN DOCKS REVIVAL, WELLINGTON DOCK ESPLANADE, DOVER, KENT, CT17 9TF	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRGB3795WN Permit Version: 1 Receiving Water: DOVER HARBOUR	Status: SURRENDERED UNDER EPR 2010 Issue date: 11/10/2017 Effective Date: 11/10/2017 Revocation Date: 18/10/2018
13	425m N	DOVER COURT HOUSE, CNR MAISON DIEU ROAD &, PENCHESTER ROAD , DOVER KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P00331 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 08/01/1986 Effective Date: 08/01/1986 Revocation Date: 31/03/1997
L	434m N	STORM OVERFLOW PENCESTER ROAD, DOVER, KENT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: K02120 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 04/08/1966 Effective Date: 04/08/1966 Revocation Date: -
16	479m S	ARC SOUTHERN, UNION STREET, WESTERN DOCKS, DOVER, CT17	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: P04233 Permit Version: 1 Receiving Water: DOVER CHALK	Status: REVOKED - UNSPECIFIED Issue date: 02/06/1992 Effective Date: 02/06/1992 Revocation Date: 09/04/1998

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	3

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 39**

ID	Location	Details	
8	243m SE	Incident Date: 14/05/2001 Incident Identification: 12464 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Algae	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9	280m NE	Incident Date: 30/05/2003 Incident Identification: 161769 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
L	435m N	Incident Date: 08/04/2003 Incident Identification: 149560 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)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

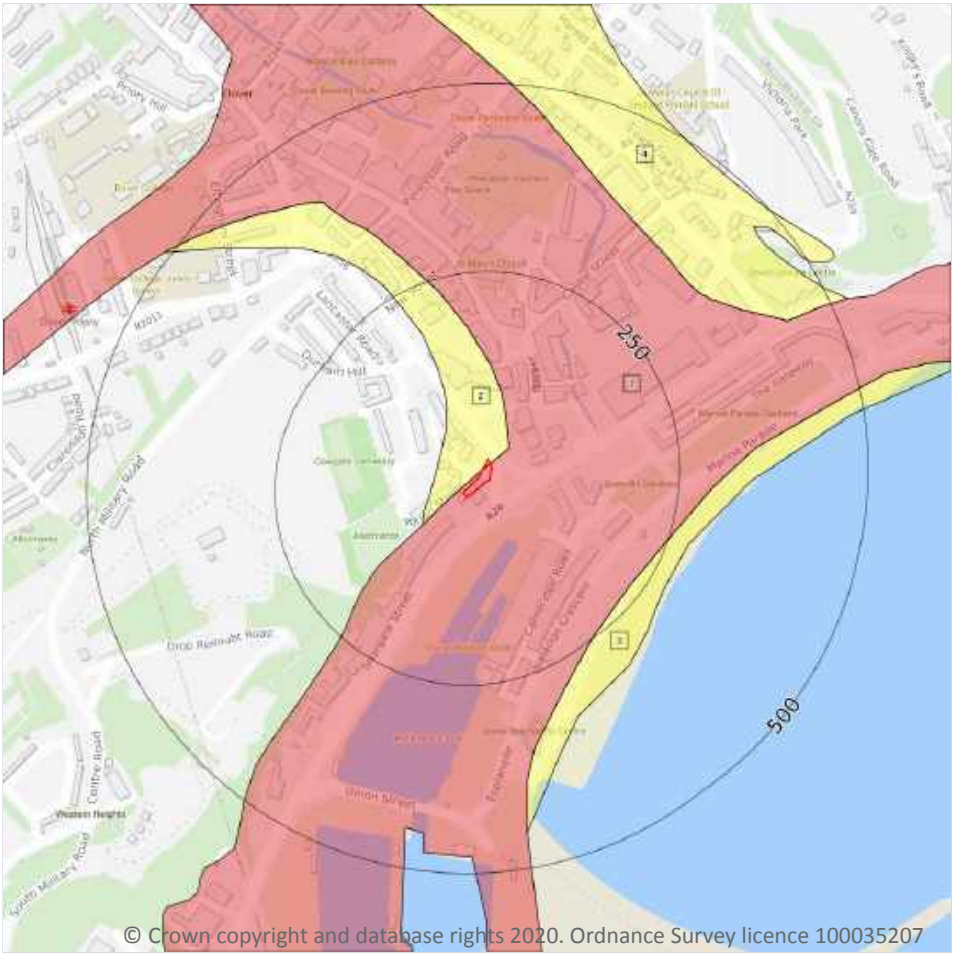
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	4

Aquifer status of groundwater held within superficial geology.

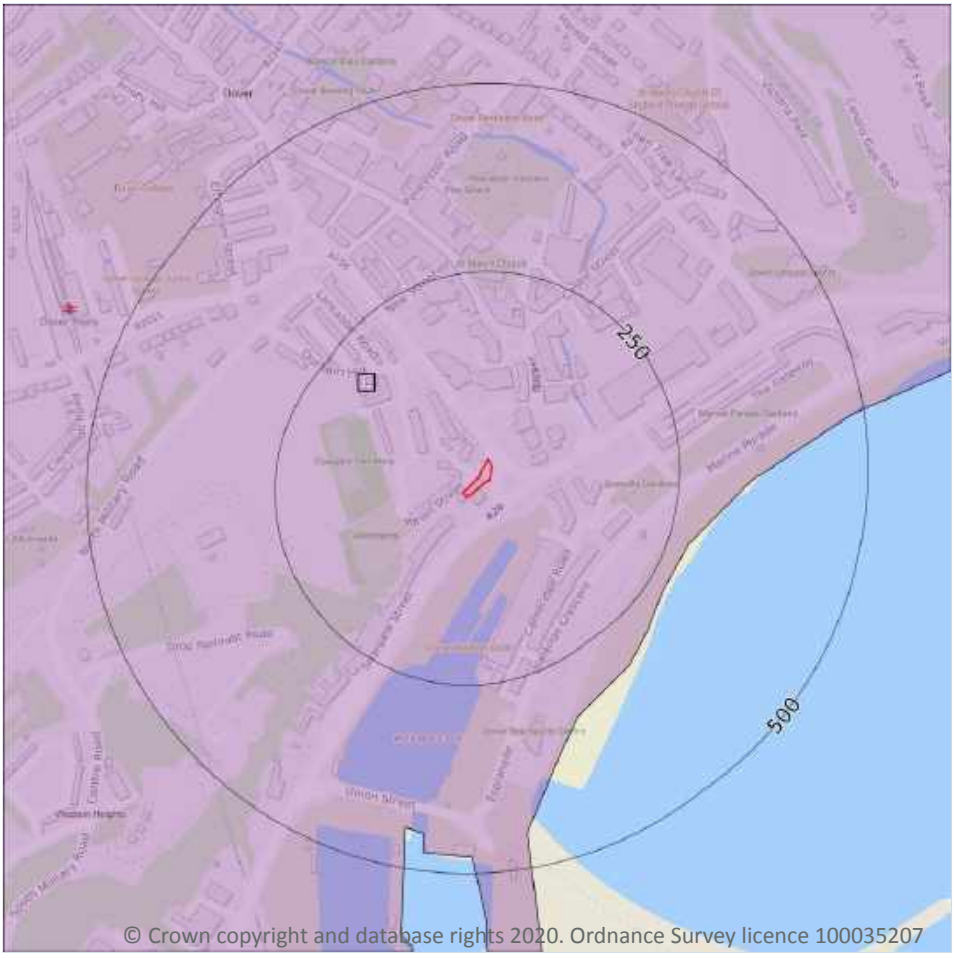
Features are displayed on the Hydrogeology map on **page 49**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Secondary 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	233m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	355m NE	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



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	1

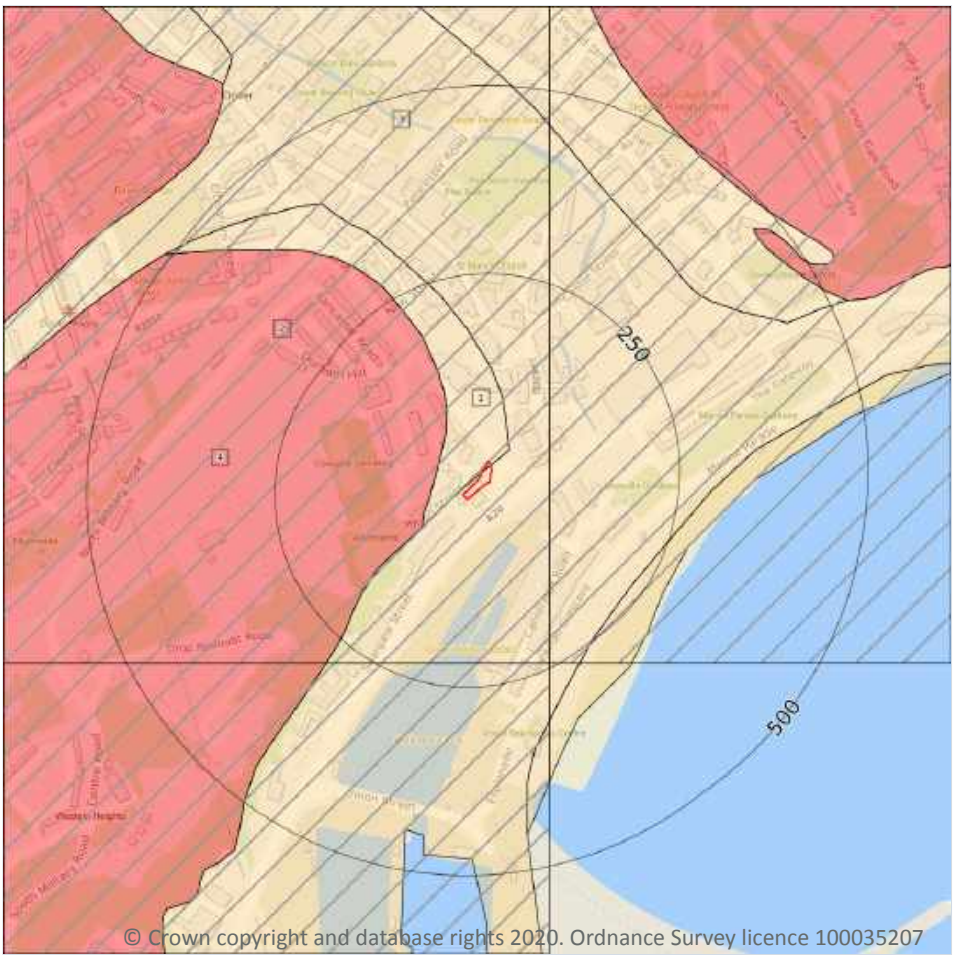
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 51**

ID	Location	Designation	Description
1	**On site**	**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**

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	3

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

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

Features are displayed on the Groundwater vulnerability map on **page 52**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures**
3	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures**
4	41m W	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**1**

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**53.0%**

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

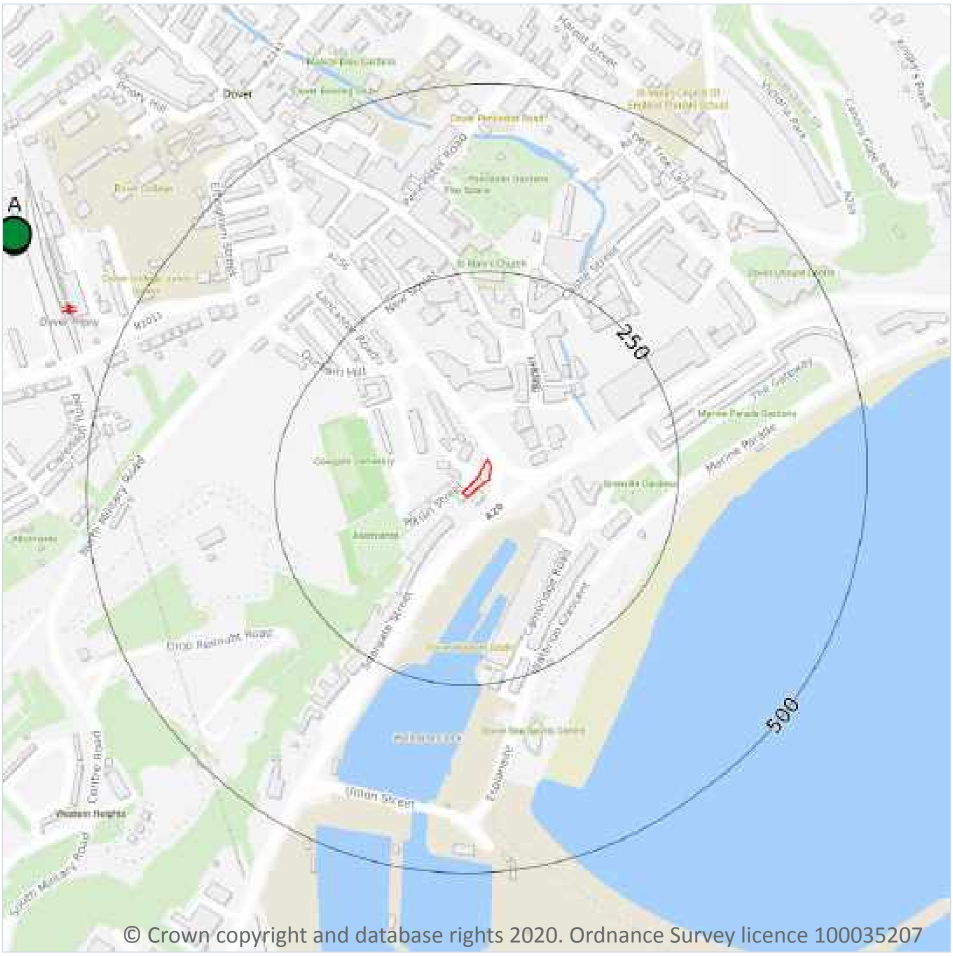
5.5 Groundwater vulnerability- local information

Records on site	**0**

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

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m	19

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 55**

ID	Location	Details	
A	683m NW	Status: Historical Licence No: 9/40/04/0102/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT A AT DOVER PRIORY, DOVER Data Type: Point Name: Affinity Water Limited Easting: 631290 Northing: 141560	Annual Volume (m^3): 1,051,200 Max Daily Volume (m^3): 2880 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
A	688m NW	Status: Active Licence No: 9/40/04/0102/GR/R01 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT A AT DOVER PRIORY, DOVER Data Type: Point Name: Affinity Water Limited Easting: 631289 Northing: 141568	Annual Volume (m^3): 1,051,200 Max Daily Volume (m^3): 2,880 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	878m N	Status: Active Licence No: 9/40/04/0248/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT 2, BOREHOLE AT CONNAUGHT, DOVER Data Type: Point Name: Affinity Water Limited Easting: 632200 Northing: 142100	Annual Volume (m^3): 3,000,000 Max Daily Volume (m^3): 10,801 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	878m N	Status: Active Licence No: 9/40/04/0248/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT 3, BOREHOLE AT CONNAUGHT, DOVER Data Type: Point Name: Affinity Water Limited Easting: 632200 Northing: 142100	Annual Volume (m^3): 3,000,000 Max Daily Volume (m^3): 10,801 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	878m N	Status: Active Licence No: 9/40/04/0248/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT 4, BOREHOLE AT CONNAUGHT, DOVER Data Type: Point Name: Affinity Water Limited Easting: 632200 Northing: 142100	Annual Volume (m^3): 3,000,000 Max Daily Volume (m^3): 10,801 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -

ID	Location	Details	
-	949m N	Status: Active Licence No: 9/40/04/0248/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT 1, BOREHOLE AT CONNAUGHT, DOVER Data Type: Point Name: Affinity Water Limited Easting: 632180 Northing: 142180	Annual Volume (m^3): 3,000,000 Max Daily Volume (m^3): 10,801 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	1485m W	Status: Active Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: PONT A AT COW LANE B/H NO.1 Data Type: Point Name: Affinity Water Limited Easting: 630403 Northing: 141134	Annual Volume (m^3): 1,830,000 Max Daily Volume (m^3): 6,000 Original Application No: - Original Start Date: 26/01/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/03/2016 Version End Date: -
-	1487m W	Status: Active Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT B AT COWS LANE PS, DOVER (BH NO.2) Data Type: Point Name: Affinity Water Limited Easting: 630401 Northing: 141136	Annual Volume (m^3): 1,830,000 Max Daily Volume (m^3): 6,000 Original Application No: - Original Start Date: 26/01/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/03/2016 Version End Date: -
-	1487m W	Status: Historical Licence No: 9/40/04/0003/GR Details: General use relating to Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: POINT X AT ELMS VALE, DOVER Data Type: Point Name: Folkestone & Dover Water Services Ltd Easting: 630400 Northing: 141140	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 103 Version Start Date: 27/03/2003 Version End Date: -
-	1487m W	Status: Historical Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT X AT ELMS VALE, DOVER Data Type: Point Name: Folkestone & Dover Water Services Ltd Easting: 630400 Northing: 141140	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 27/03/2003 Version End Date: -

ID	Location	Details	
-	1487m W	Status: Historical Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT X AT COWS LANE PS, DOVER Data Type: Point Name: Folkestone & Dover Water Services Ltd Easting: 630400 Northing: 141140	Annual Volume (m^3): 1830000 Max Daily Volume (m^3): 6000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 103 Version Start Date: 24/07/2006 Version End Date: -
-	1487m W	Status: Historical Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT B AT COWS LANE PS, DOVER (BH NO.2) Data Type: Point Name: Affinity Water Limited Easting: 630400 Northing: 141140	Annual Volume (m^3): 1,830,000 Max Daily Volume (m^3): 6000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 105 Version Start Date: 27/10/2015 Version End Date: -
-	1488m W	Status: Historical Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: PONT A AT COW LANE B/H NO.1 Data Type: Point Name: Affinity Water Limited Easting: 630400 Northing: 141130	Annual Volume (m^3): 1,830,000 Max Daily Volume (m^3): 6000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 105 Version Start Date: 27/10/2015 Version End Date: -
-	1675m NW	Status: Historical Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE AT PRIMROSE, ST RADIGUNDS, DOVER Data Type: Point Name: Folkestone & Dover Water Services Ltd Easting: 630600 Northing: 142300	Annual Volume (m^3): 1098000 Max Daily Volume (m^3): 4000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 103 Version Start Date: 24/07/2006 Version End Date: -
-	1675m NW	Status: Historical Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE 2 (POINT B ON MAP) AT PRIMROSE, ST RADIGUNDS, DOVER Data Type: Point Name: Affinity Water Limited Easting: 630600 Northing: 142300	Annual Volume (m^3): 1,098,000 Max Daily Volume (m^3): 4000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 105 Version Start Date: 14/11/2012 Version End Date: -

ID	Location	Details	
-	1720m NW	Status: Active Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE 1 (POINT B ON MAP) PRIMROSE PS Data Type: Point Name: Affinity Water Limited Easting: 630560 Northing: 142323	Annual Volume (m^3): 1,098,000 Max Daily Volume (m^3): 4,000 Original Application No: - Original Start Date: 22/03/1966 Expiry Date: - Issue No: 106 Version Start Date: 07/03/2016 Version End Date: -
-	1722m NW	Status: Active Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE 2 (POINT B ON MAP) AT PRIMROSE, ST RADIGUNDS, DOVER Data Type: Point Name: Affinity Water Limited Easting: 630566 Northing: 142334	Annual Volume (m^3): 1,098,000 Max Daily Volume (m^3): 4,000 Original Application No: - Original Start Date: 22/03/1966 Expiry Date: - Issue No: 106 Version Start Date: 07/03/2016 Version End Date: -
-	1725m NW	Status: Historical Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE 1 (POINT B ON MAP) PRIMROSE PS Data Type: Point Name: Affinity Water Limited Easting: 630560 Northing: 142330	Annual Volume (m^3): 1,098,000 Max Daily Volume (m^3): 4000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 105 Version Start Date: 14/11/2012 Version End Date: -
-	1801m NW	Status: Historical Licence No: 14/027 Details: Boiler Feed Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLD AT BUCKLAND HOSPITAL Data Type: Point Name: East Kent Hospitals (NHS Trust) Easting: 630250 Northing: 141980	Annual Volume (m^3): 49000 Max Daily Volume (m^3): 140 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 25/10/2006 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	17

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 55**

ID	Location	Details	
A	683m NW	Status: Historical Licence No: 9/40/04/0102/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT A AT DOVER PRIORY, DOVER Data Type: Point Name: Affinity Water Limited Easting: 631290 Northing: 141560	Annual Volume (m^3): 1,051,200 Max Daily Volume (m^3): 2880 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
A	688m NW	Status: Active Licence No: 9/40/04/0102/GR/R01 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT A AT DOVER PRIORY, DOVER Data Type: Point Name: Affinity Water Limited Easting: 631289 Northing: 141568	Annual Volume (m^3): 1,051,200 Max Daily Volume (m^3): 2,880 Original Application No: - Original Start Date: 01/04/2016 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	878m N	Status: Active Licence No: 9/40/04/0248/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT 2, BOREHOLE AT CONNAUGHT, DOVER Data Type: Point Name: Affinity Water Limited Easting: 632200 Northing: 142100	Annual Volume (m^3): 3,000,000 Max Daily Volume (m^3): 10,801 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	878m N	Status: Active Licence No: 9/40/04/0248/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT 3, BOREHOLE AT CONNAUGHT, DOVER Data Type: Point Name: Affinity Water Limited Easting: 632200 Northing: 142100	Annual Volume (m^3): 3,000,000 Max Daily Volume (m^3): 10,801 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -

ID	Location	Details	
-	878m N	Status: Active Licence No: 9/40/04/0248/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT 4, BOREHOLE AT CONNAUGHT, DOVER Data Type: Point Name: Affinity Water Limited Easting: 632200 Northing: 142100	Annual Volume (m^3): 3,000,000 Max Daily Volume (m^3): 10,801 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	949m N	Status: Active Licence No: 9/40/04/0248/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT 1, BOREHOLE AT CONNAUGHT, DOVER Data Type: Point Name: Affinity Water Limited Easting: 632180 Northing: 142180	Annual Volume (m^3): 3,000,000 Max Daily Volume (m^3): 10,801 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	1485m W	Status: Active Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: PONT A AT COW LANE B/H NO.1 Data Type: Point Name: Affinity Water Limited Easting: 630403 Northing: 141134	Annual Volume (m^3): 1,830,000 Max Daily Volume (m^3): 6,000 Original Application No: - Original Start Date: 26/01/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/03/2016 Version End Date: -
-	1487m W	Status: Active Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT B AT COWS LANE PS, DOVER (BH NO.2) Data Type: Point Name: Affinity Water Limited Easting: 630401 Northing: 141136	Annual Volume (m^3): 1,830,000 Max Daily Volume (m^3): 6,000 Original Application No: - Original Start Date: 26/01/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/03/2016 Version End Date: -
-	1487m W	Status: Historical Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT X AT ELMS VALE, DOVER Data Type: Point Name: Folkestone & Dover Water Services Ltd Easting: 630400 Northing: 141140	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 27/03/2003 Version End Date: -

ID	Location	Details	
-	1487m W	Status: Historical Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT X AT COWS LANE PS, DOVER Data Type: Point Name: Folkestone & Dover Water Services Ltd Easting: 630400 Northing: 141140	Annual Volume (m^3): 1830000 Max Daily Volume (m^3): 6000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 103 Version Start Date: 24/07/2006 Version End Date: -
-	1487m W	Status: Historical Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: POINT B AT COWS LANE PS, DOVER (BH NO.2) Data Type: Point Name: Affinity Water Limited Easting: 630400 Northing: 141140	Annual Volume (m^3): 1,830,000 Max Daily Volume (m^3): 6000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 105 Version Start Date: 27/10/2015 Version End Date: -
-	1488m W	Status: Historical Licence No: 9/40/04/0003/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: PONT A AT COW LANE B/H NO.1 Data Type: Point Name: Affinity Water Limited Easting: 630400 Northing: 141130	Annual Volume (m^3): 1,830,000 Max Daily Volume (m^3): 6000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 105 Version Start Date: 27/10/2015 Version End Date: -
-	1675m NW	Status: Historical Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE AT PRIMROSE, ST RADIGUNDS, DOVER Data Type: Point Name: Folkestone & Dover Water Services Ltd Easting: 630600 Northing: 142300	Annual Volume (m^3): 1098000 Max Daily Volume (m^3): 4000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 103 Version Start Date: 24/07/2006 Version End Date: -
-	1675m NW	Status: Historical Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE 2 (POINT B ON MAP) AT PRIMROSE, ST RADIGUNDS, DOVER Data Type: Point Name: Affinity Water Limited Easting: 630600 Northing: 142300	Annual Volume (m^3): 1,098,000 Max Daily Volume (m^3): 4000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 105 Version Start Date: 14/11/2012 Version End Date: -

ID	Location	Details	
-	1720m NW	Status: Active Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE 1 (POINT B ON MAP) PRIMROSE PS Data Type: Point Name: Affinity Water Limited Easting: 630560 Northing: 142323	Annual Volume (m^3): 1,098,000 Max Daily Volume (m^3): 4,000 Original Application No: - Original Start Date: 22/03/1966 Expiry Date: - Issue No: 106 Version Start Date: 07/03/2016 Version End Date: -
-	1722m NW	Status: Active Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE 2 (POINT B ON MAP) AT PRIMROSE, ST RADIGUNDS, DOVER Data Type: Point Name: Affinity Water Limited Easting: 630566 Northing: 142334	Annual Volume (m^3): 1,098,000 Max Daily Volume (m^3): 4,000 Original Application No: - Original Start Date: 22/03/1966 Expiry Date: - Issue No: 106 Version Start Date: 07/03/2016 Version End Date: -
-	1725m NW	Status: Historical Licence No: 9/40/04/0180/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE 1 (POINT B ON MAP) PRIMROSE PS Data Type: Point Name: Affinity Water Limited Easting: 630560 Northing: 142330	Annual Volume (m^3): 1,098,000 Max Daily Volume (m^3): 4000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 105 Version Start Date: 14/11/2012 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology

Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	7

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
3	77m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dour

ID	Location	Type of water feature	Ground level	Permanence	Name
5	85m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	Wellington Dock
B	100m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dour
B	142m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dour
B	150m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dour
B	154m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dour
7	189m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dour

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	3

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
2	**On site**	**River WB catchment**	**Dour from Kearsney to Dover**	**GB107040073310**	**Dour**	**Stour**

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

6.4 WFD Surface water bodies

Records identified	**2**

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

Features are displayed on the Hydrology map on **page 64**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	78m SE	River	Dour from Kearsney to Dover	GB107040073310	Poor	Good	Poor	2016
6	108m S	Coastal	Kent South	GB640704540001	Moderate	Good	Moderate	2016

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
1	**On site**	**East Kent Chalk - Stour**	**GB40701G501500**	**Poor**	**Poor**	**Poor**	**2015**

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 Sea (RoFRaS)

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

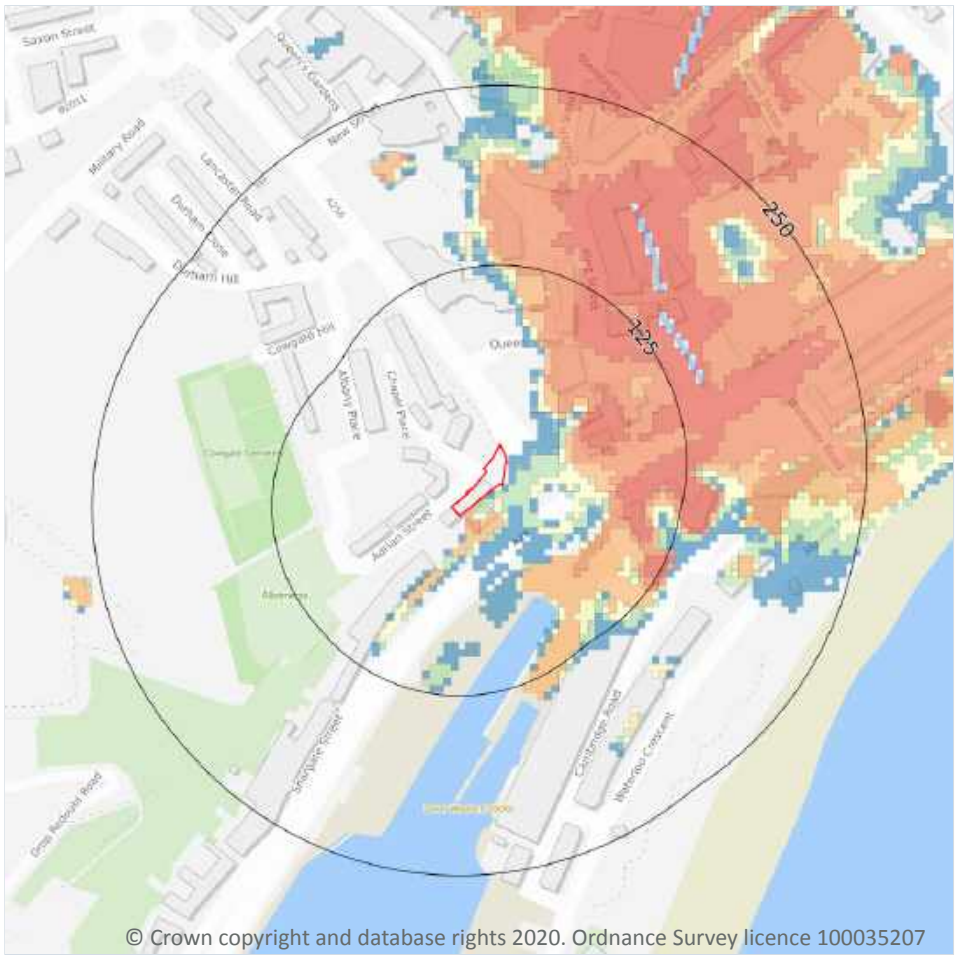
7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 250 year, 0.1m - 0.3m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

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

Features are displayed on the Surface water flooding map on **page 70**

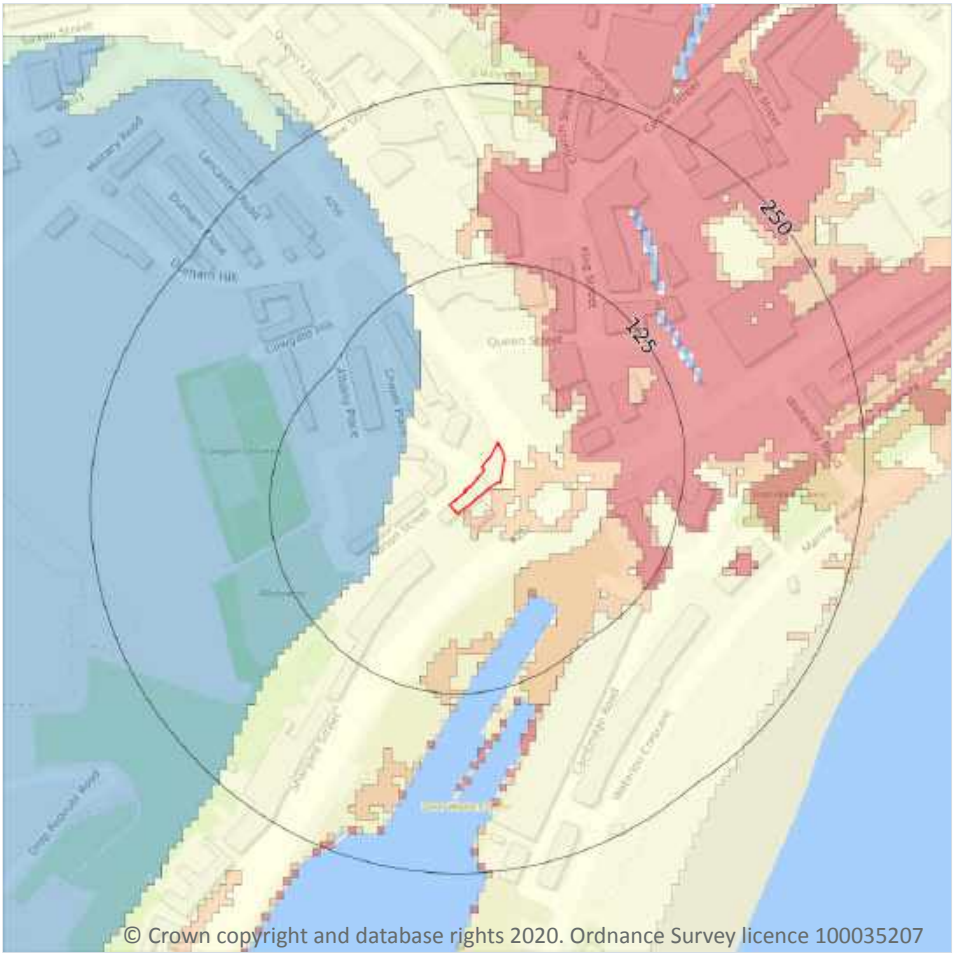
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

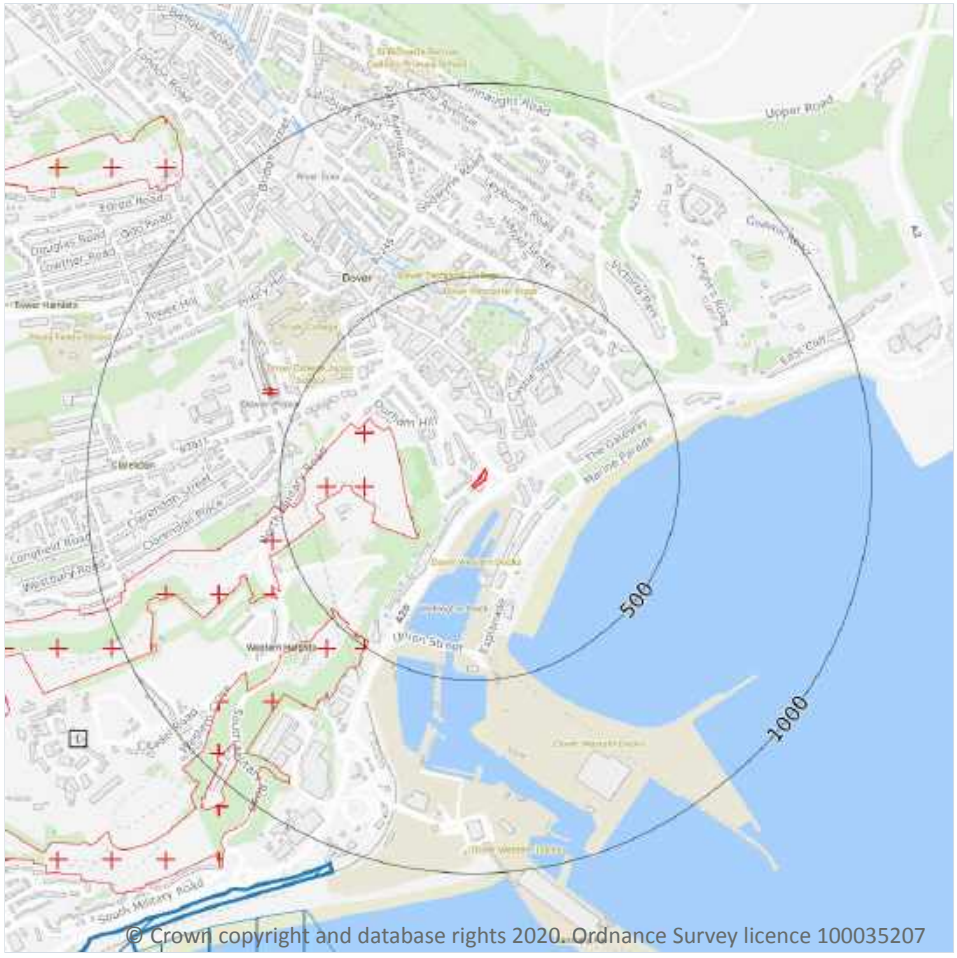
Highest risk on site	**Moderate**
Highest risk within 50m	**High**

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 72**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Sites of Special Scientific Interest (SSSI)

Special Areas of Conservation (SAC)

Local Nature Reserves (LNR)

Marine Conservation Zones

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	4

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 73**

ID	Location	Name	Data source
2	1043m S	Folkestone Warren	Natural England

ID	Location	Name	Data source
-	1424m NE	Dover to Kingsdown Cliffs	Natural England
-	1527m NE	Dover to Kingsdown Cliffs	Natural England
-	1922m NE	Dover to Kingsdown Cliffs	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	**1**

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.

Features are displayed on the Environmental designations map on **page 73**

ID	Location	Name	Features of interest	Habitat description	Data source
-	1424m NE	Dover to Kingsdown Cliffs	Vegetated sea cliffs; Dry grasslands and scrublands on chalk or limestone.	Heath, Scrub, Maquis and Garrigue, Phygrana; Dry grassland, Steppes; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	4

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.

Features are displayed on the Environmental designations map on **page 73**

ID	Location	Name	Data source
1	174m W	Western Heights	Natural England
3	1090m NW	High Meadow	Natural England
-	1757m W	Whinless Down	Natural England
-	1771m W	Whinless Down	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	1

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 73**

ID	Location	Name	Status
4	1177m S	Dover to Folkestone	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

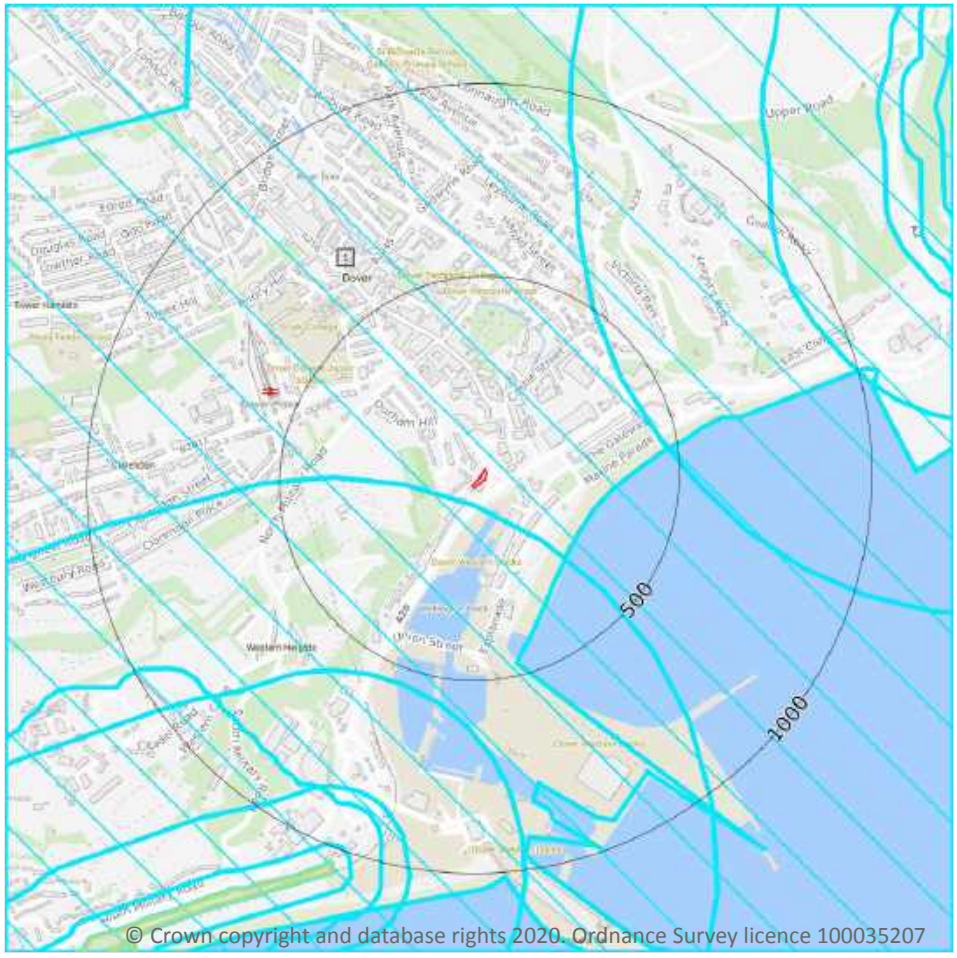
Records within 2000m	**1**

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
871m N	East Kent	Groundwater	G67	Changed

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

Not recorded

Favourable

Unfavourable - Recovering

Unfavourable - No change

Unfavourable - Declining

Partially destroyed

Destroyed

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 79**

ID	Location	Type of developments requiring consultation
1	On site	**Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. 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. Residential - Residential development of 500 units or more. Rural residential - Any residential development of 500 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t). 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. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. 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. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more. Notes: For new residential development in this area financial contributions are required to mitigate increased recreational disturbance on coastal SPAs and Ramsar Sites. Check with Local Planning Authority.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**9**

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 79**

ID: 17
Location: 1043m S
SSSI name: Folkestone Warren
Unit name: Cliff: Biological Interest
Broad habitat: Supralittoral Rock
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
EC - Cenomanian-Maastrichtian	Favourable	05/07/2012
Hard maritime cliff and slope	Favourable	05/07/2012

Feature name	Feature condition	Date of assessment
Invert. assemblage F111 bare sand & chalk	Favourable	05/07/2012

ID: -
Location: 1424m NE
SSSI name: Dover to Kingsdown Cliffs
Unit name: Gainbrook
Broad habitat: Calcareous Grassland - Lowland
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage F112 open short sward	Unfavourable - No change	13/09/2012
Lowland calcareous grassland (CG3-5)	Unfavourable - No change	13/09/2012
Vascular plant assemblage	Unfavourable - No change	13/09/2012

ID: -
Location: 1425m NE
SSSI name: Dover to Kingsdown Cliffs
Unit name: N.trust
Broad habitat: Calcareous Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage F112 open short sward	Unfavourable - Recovering	19/07/2012
Lowland calcareous grassland (CG3-5)	Unfavourable - Recovering	19/07/2012
Vascular plant assemblage	Unfavourable - Recovering	19/07/2012

ID: -
Location: 1436m NE
SSSI name: Dover to Kingsdown Cliffs
Unit name: Eastern Terrace
Broad habitat: Calcareous Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage F112 open short sward	Favourable	13/09/2012
Lowland calcareous grassland (CG3-5)	Favourable	13/09/2012
Vascular plant assemblage	Favourable	13/09/2012

ID: -
Location: 1444m NE
SSSI name: Dover to Kingsdown Cliffs
Unit name: Dover Harbour
Broad habitat: Supralittoral Rock
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Fulmar, Fulmarus glacialis	Favourable	13/09/2012
Aggregations of breeding birds - Kittiwake, Rissa tridactyla	Favourable	13/09/2012
Aggregations of breeding birds - Lesser black-backed gull, Larus fuscus	Favourable	13/09/2012
Hard maritime cliff and slope	Favourable	13/09/2012
Invert. assemblage F111 bare sand & chalk	Favourable	13/09/2012
Reefs	Favourable	13/09/2012

ID: 26
Location: 1475m SW
SSSI name: Folkestone Warren
Unit name: Geological Cliff Exposures: Central
Broad habitat: Earth Heritage
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
EC - Cenomanian-Maastrichtian	Favourable	05/07/2012

ID: -
Location: 1527m NE
SSSI name: Dover to Kingsdown Cliffs
Unit name: Mod
Broad habitat: Calcareous Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage F112 open short sward	Favourable	13/09/2012
Lowland calcareous grassland (CG3-5)	Favourable	13/09/2012
Vascular plant assemblage	Favourable	13/09/2012

ID: -
Location: 1557m NE
SSSI name: Dover to Kingsdown Cliffs
Unit name: Fox Hill Down
Broad habitat: Calcareous Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

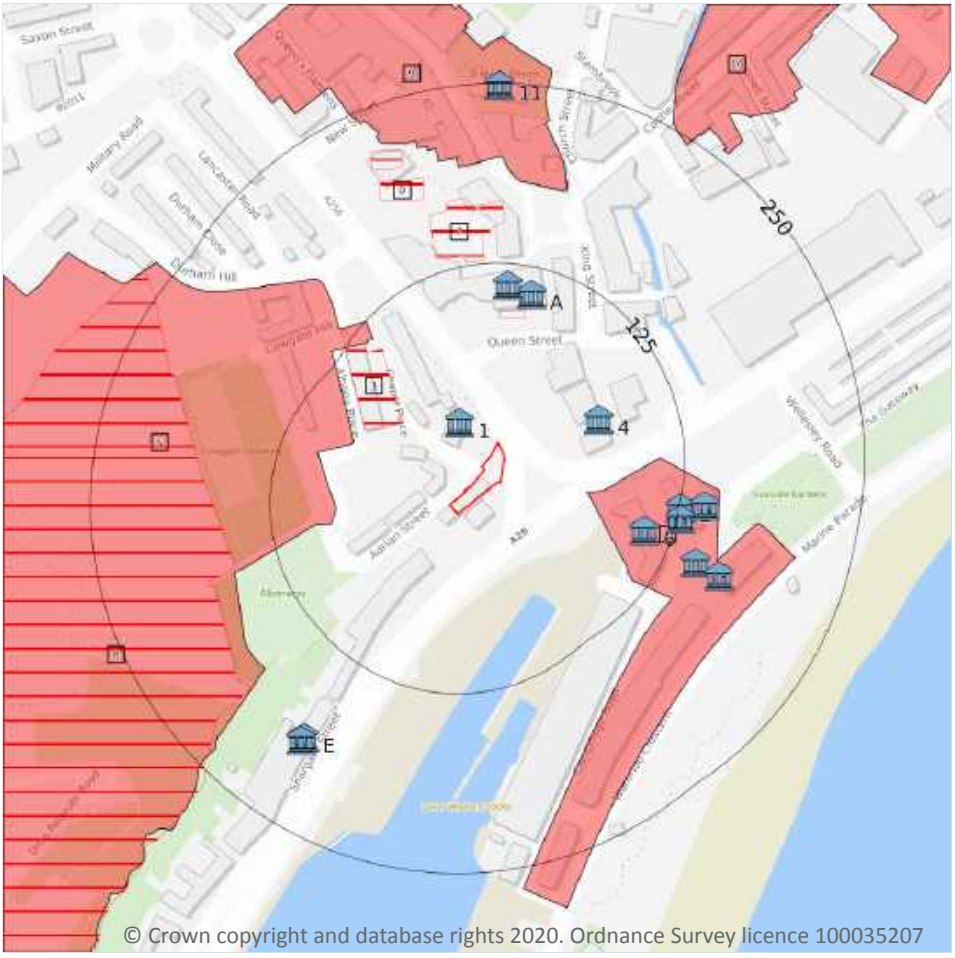
Feature name	Feature condition	Date of assessment
Invert. assemblage F112 open short sward	Unfavourable - Recovering	19/07/2012
Lowland calcareous grassland (CG3-5)	Unfavourable - Recovering	19/07/2012
Vascular plant assemblage	Unfavourable - Recovering	19/07/2012

ID: -
Location: 1748m SW
SSSI name: Folkestone Warren
Unit name: Aycliff
Broad habitat: Calcareous Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG3-5)	Unfavourable - Recovering	05/07/2012

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

11 Visual and cultural designations



Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	13

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

Features are displayed on the Visual and cultural designations map on **page 84**

ID	Location	Name	Grade	Reference Number	Listed date
1	30m NW	Unitarian Church And Vestry Adjoining, Dover, Dover, Kent, CT17	II	1343832	17/12/1973
4	70m E	Mediaeval Undercroft At Number 10 Bench Street, Dover, Dover, Kent, CT16	II	1343833	30/06/1949
A	106m N	The Market Hall, Dover, Dover, Kent, CT16	II	1363229	21/08/1973
6	106m E	Nos 1 To 9 Including Basement Area Railings, Dover, Dover, Kent, CT16	II	1273277	14/11/1988

ID	Location	Name	Grade	Reference Number	Listed date
A	110m N	Prince Regent Public House, Dover, Dover, Kent, CT16	II	1070320	21/08/1973
B	126m E	New Bridge House, Dover, Dover, Kent, CT16	II	1070321	17/12/1973
B	128m E	K6 Telephone Kiosk, Dover, Dover, Kent, CT16	II	1273164	20/02/1989
B	143m E	1-4, Camden Crescent, Dover, Dover, Kent, CT16	II	1343834	17/12/1973
C	147m E	60Th Rifles Memorial To Indian Mutiny, Dover, Dover, Kent, CT16	II	1420014	29/05/2014
C	166m SE	1-30, Waterloo Crescent, Dover, Dover, Kent, CT16	II	1145901	30/06/1949
E	189m SW	144, Snargate Street, Dover, Dover, Kent, CT17	II	1258947	14/11/1988
E	192m SW	143, Snargate Street, Dover, Dover, Kent, CT17	II	1363214	14/11/1988
11	249m N	The Parish Church Of St Mary The Virgin, Dover, Dover, Kent, CT16	II*	1069522	30/06/1949

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

11.5 Conservation Areas

Records within 250m **4**

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 84**

ID	Location	Name	District	Date of designation
2	61m E	Dover - Waterloo Crescent, Dover	Dover	06/11/1970
5	80m W	Dover - Western Heights, Dover	Dover	06/11/1970
9	181m N	Dover - Town Centre, Dover	Dover	19/02/1988
10	245m NE	Dover - Dover Castle, Dover	Dover	06/11/1970

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

11.6 Scheduled Ancient Monuments

Records within 250m	6

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 84**

ID	Location	Ancient monument name	Reference number
3	63m NW	South-western section of the Roman Fort of the Classis Britannica, near Albany Place	1012478
A	87m N	Saxon shore fort bastion, Queen Street	1004190
7	127m N	St Martin's Church	1004189
8	154m W	Fortifications, Roman lighthouse and medieval chapel on Western Heights	1020298
D	177m N	The Bath House, N of Market Street	1004213
D	203m N	The Painted House, N of Market Street	1004212

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

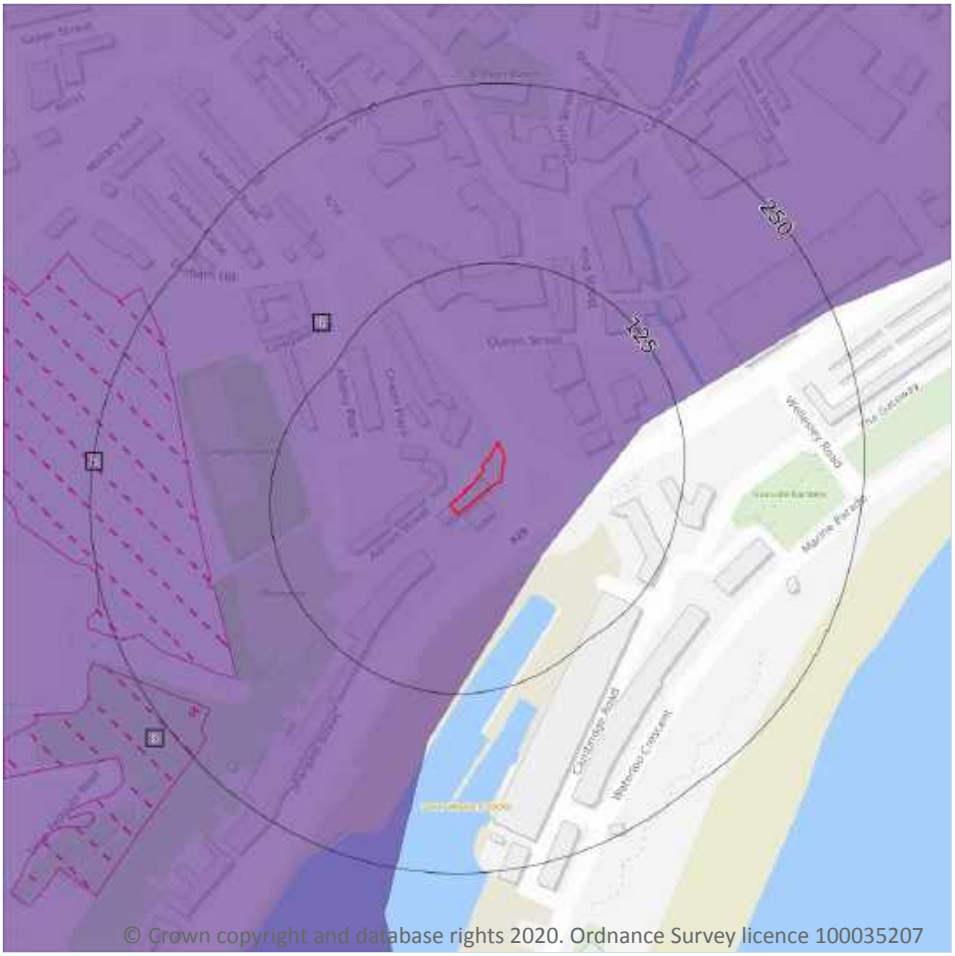
11.7 Registered Parks and Gardens

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 English Heritage, Cadw and Historic Environment Scotland.

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 88**

ID	Location	Classification	Description
1	**On site**	**Urban**	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	2

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.

Features are displayed on the Agricultural designations map on **page 88**

ID	Location	Name	Classification	Other relevant legislation
2	174m W	-	Section 4 Conclusive Open Country	-
3	219m SW	-	Section 4 Conclusive Open Country	-

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	1

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

Location	Reference	Scheme	Start Date	End date
174m W	AG00288405	Higher Level Stewardship	01/12/2011	30/11/2021

This data is sourced from Natural England.

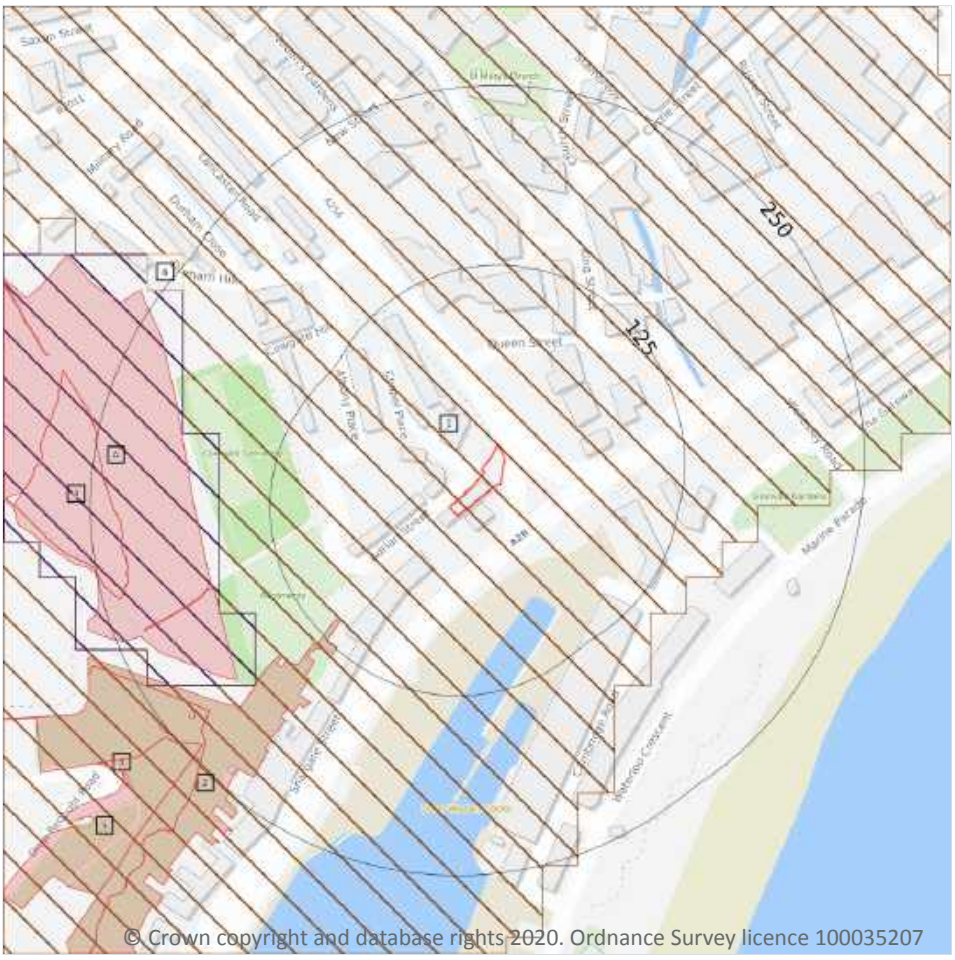
12.5 Countryside Stewardship Schemes

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



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	5

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 91**

ID	Location	Main Habitat	Other habitats
2	110m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	174m W	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%, FEP + HLS)
3	219m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	228m W	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%, FEP + HLS)

ID	Location	Main Habitat	Other habitats
5	238m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	3

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

Features are displayed on the Habitat designations map on **page 91**

ID	Location	Type	Habitat
1	**On site**	**Network Enhancement Zone 2**	**Not specified**
A	154m SW	Primary Habitat	Lowland calcareous grassland
6	239m NW	Habitat Restoration-Creation	Not specified

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 93**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**TR34SW**

This data is sourced from the British Geological Survey.

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

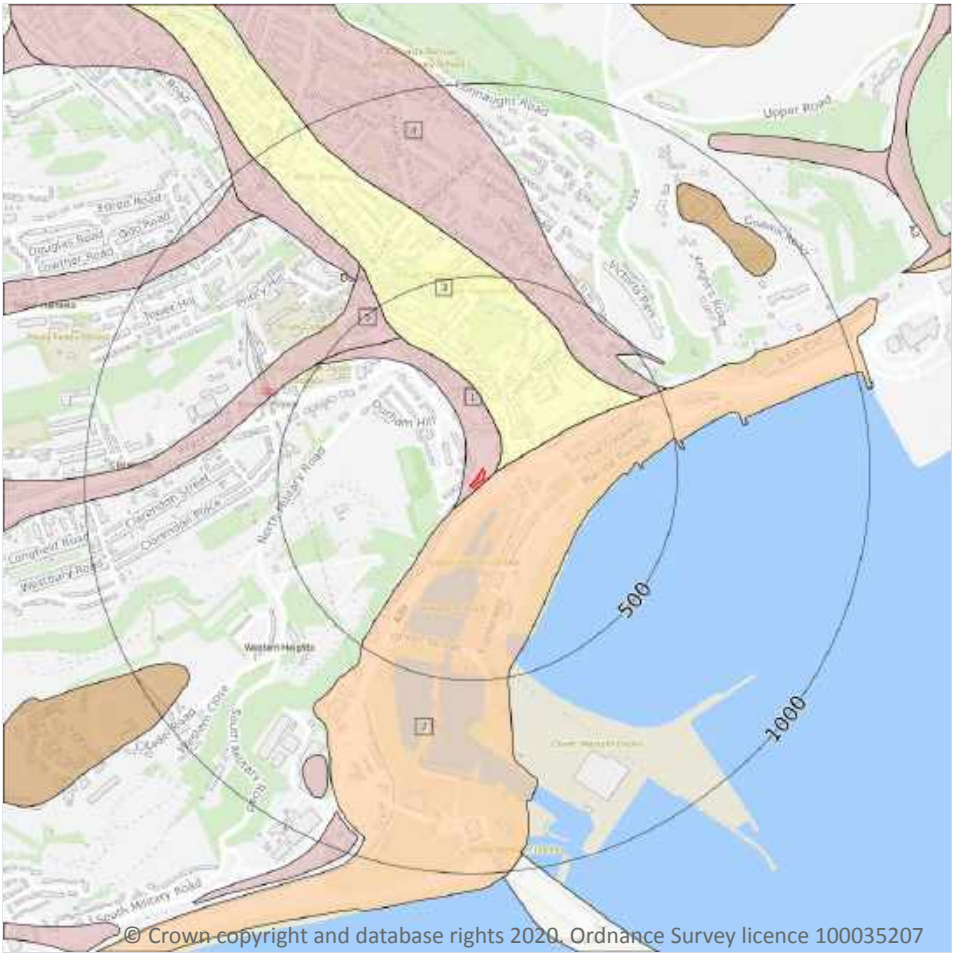
14.2 Artificial and made ground (10k)

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



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m **5**

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 95**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**HEAD-XCZSV**	**Head - Clay, Silt, Sand And Gravel**	**Clay, Silt, Sand And Gravel**
2	7m SE	STOB-V	Storm Beach Deposits - Gravel	Gravel
3	26m E	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

ID	Location	LEX Code	Description	Rock description
4	372m NE	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
5	401m NW	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

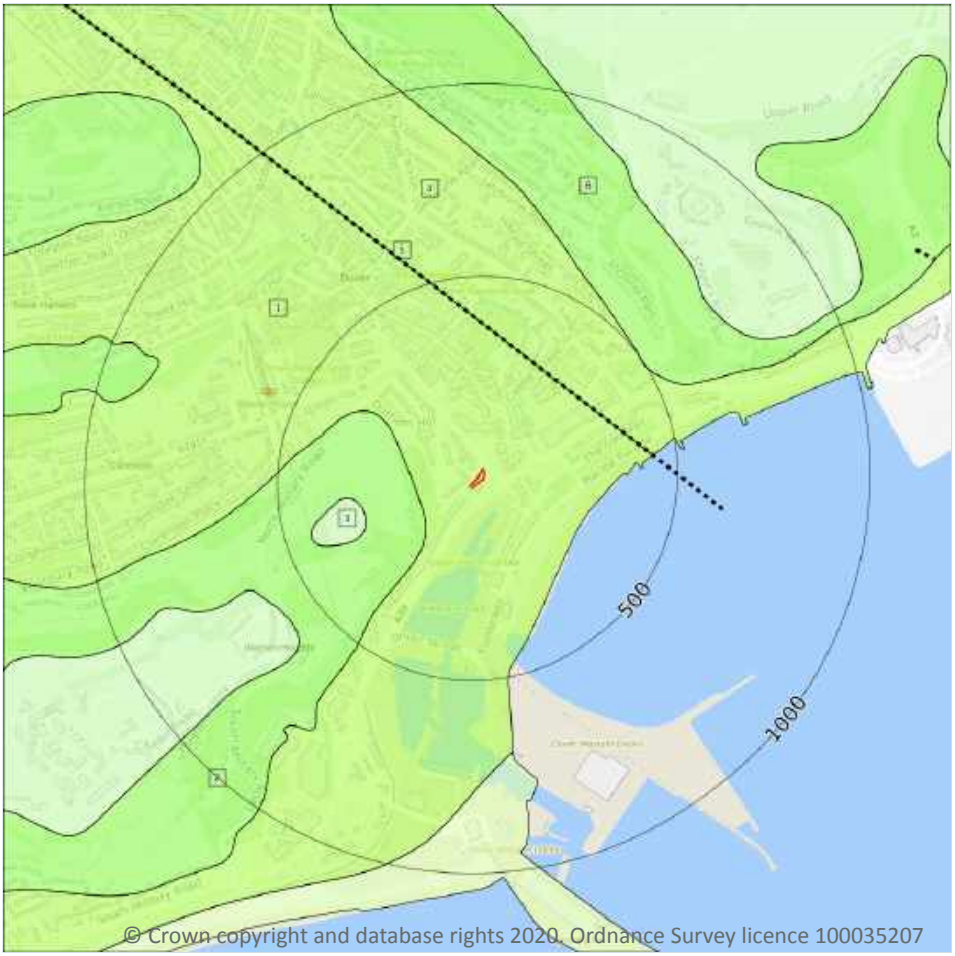
14.4 Landslip (10k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m **5**

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 97**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**NPCH-CHLK**	**New Pit Chalk Formation - Chalk**	**Turonian Age**
2	136m W	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age
3	284m W	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age
4	298m NE	NPCH-CHLK	New Pit Chalk Formation - Chalk	Turonian Age

ID	Location	LEX Code	Description	Rock age
6	498m NE	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**1**

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.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 97**

ID	Location	Category	Description
5	298m NE	FAULT	Normal fault, inferred; down throw not specified

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 99**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW290_dover_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.

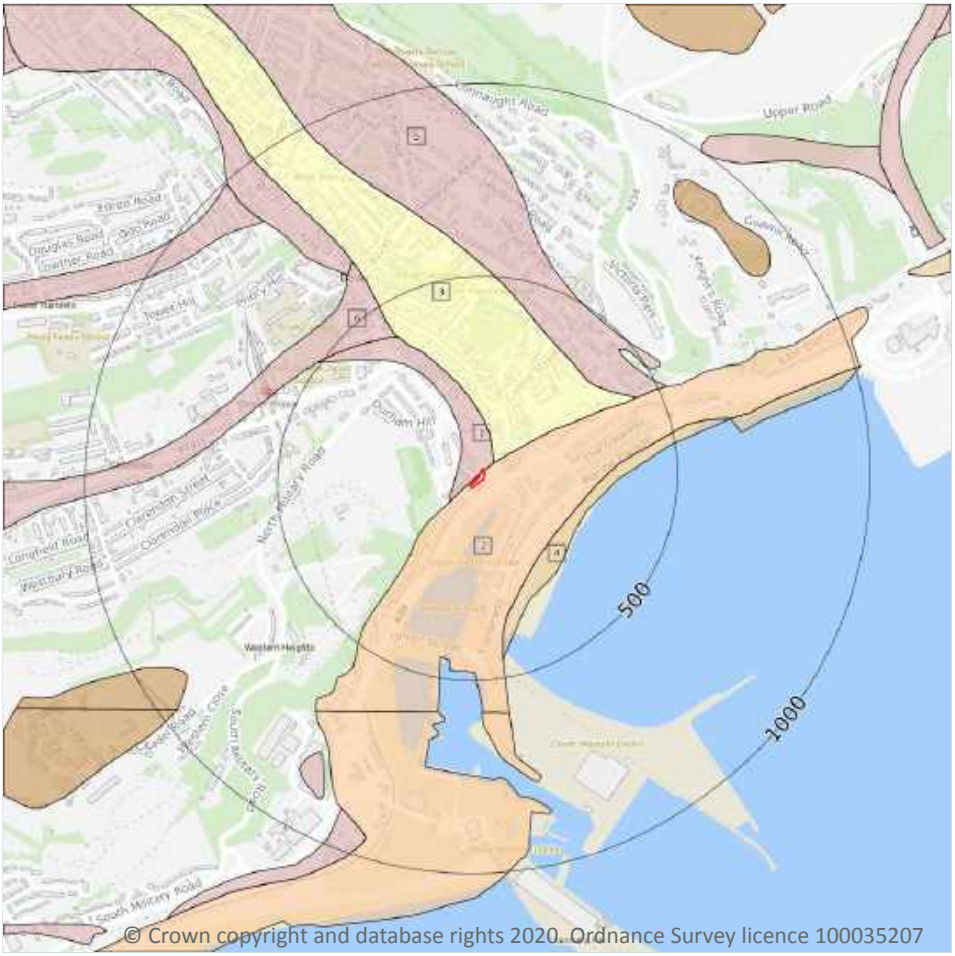
15.3 Artificial ground permeability (50k)

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 **6**

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 101**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**HEAD-XCZSV**	**HEAD**	**CLAY, SILT, SAND AND GRAVEL**
2	**On site**	**STOB-XSV**	**STORM BEACH DEPOSITS**	**SAND AND GRAVEL**
3	32m NE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
4	233m SE	BTFU-XSZC	BEACH AND TIDAL FLAT DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY
5	355m NE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
6	406m NW	HEAD-XZV	HEAD	SILT AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	**3**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**Very High**	**High**
On site	**Mixed**	**High**	**Very Low**
32m NW	Intergranular	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

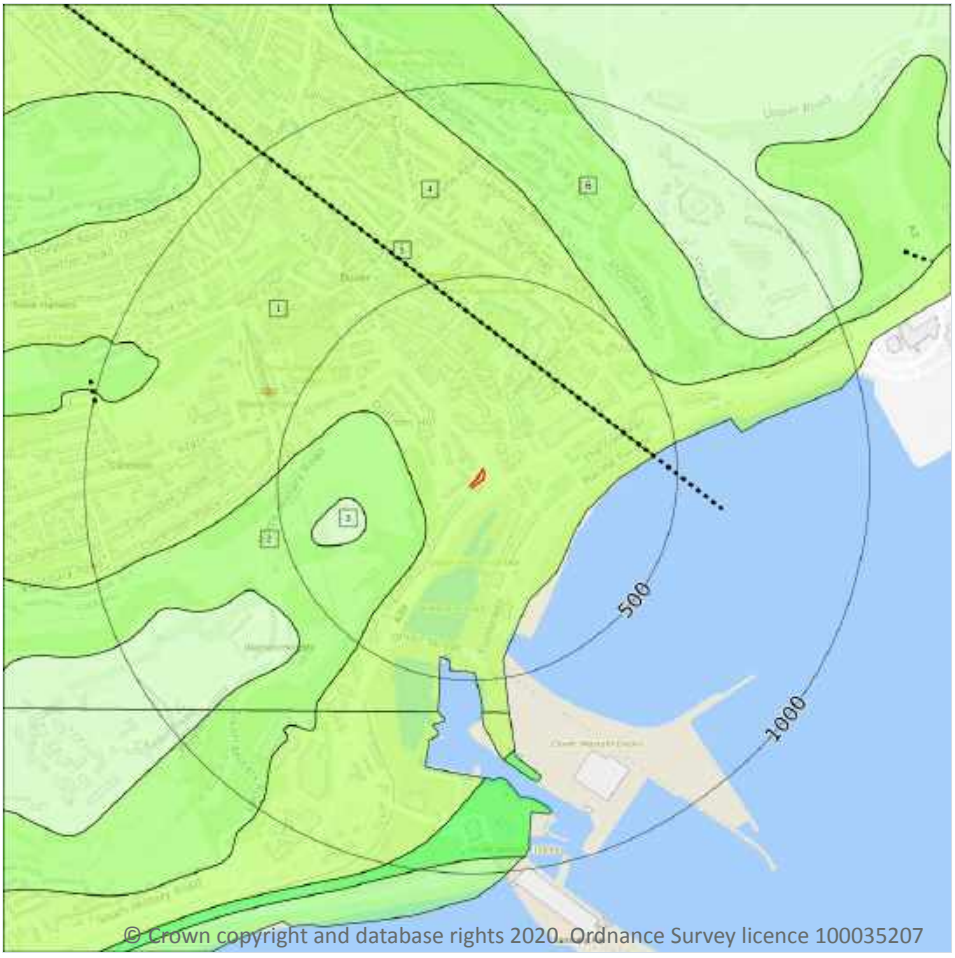
15.7 Landslip permeability (50k)

Records within 50m	**0**

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

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	5

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 103**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**NPCH-CHLK**	**NEW PIT CHALK FORMATION - CHALK**	**TURONIAN**
2	136m W	LECH-CHLK	LEWES NODULAR CHALK FORMATION - CHALK	TURONIAN
3	283m W	SECK-CHLK	SEAFORD CHALK FORMATION - CHALK	CONIACIAN
4	298m NE	NPCH-CHLK	NEW PIT CHALK FORMATION - CHALK	TURONIAN

ID	Location	LEX Code	Description	Rock age
6	498m NE	LECH-CHLK	LEWES NODULAR CHALK FORMATION - CHALK	TURONIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**1**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**1**

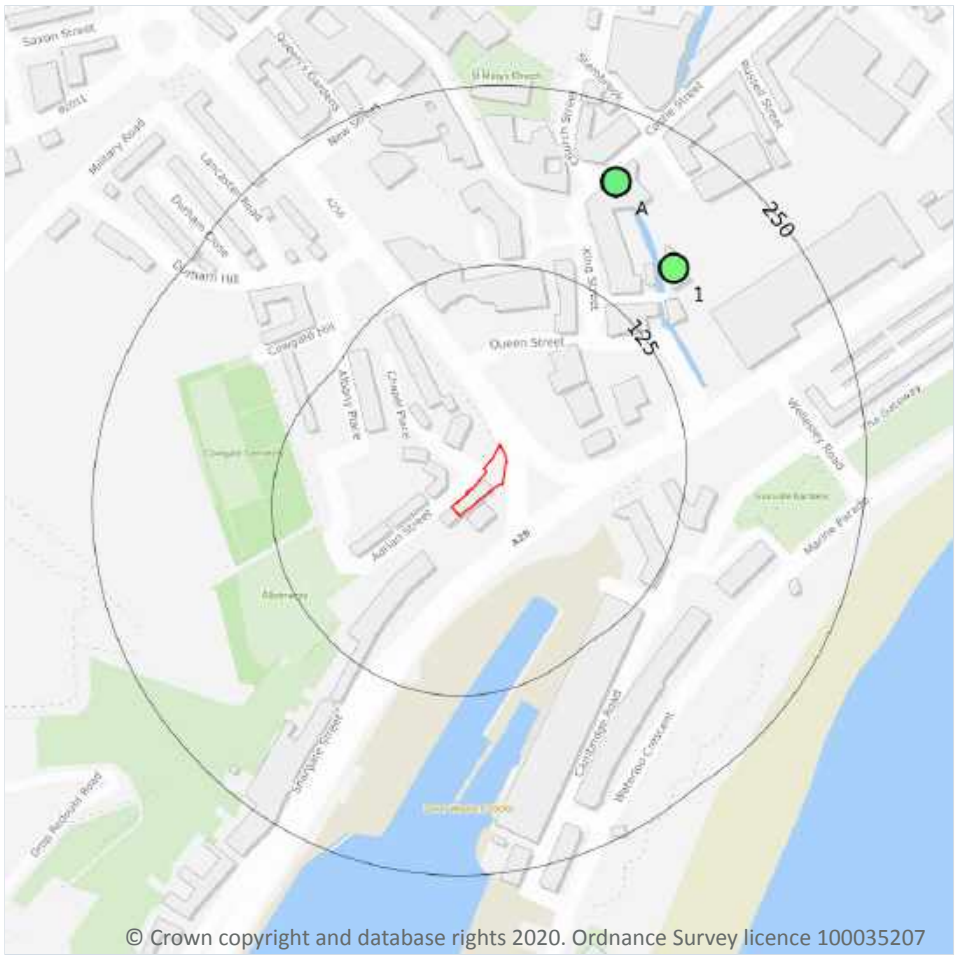
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 103**

ID	Location	Category	Description
5	298m NE	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m	3

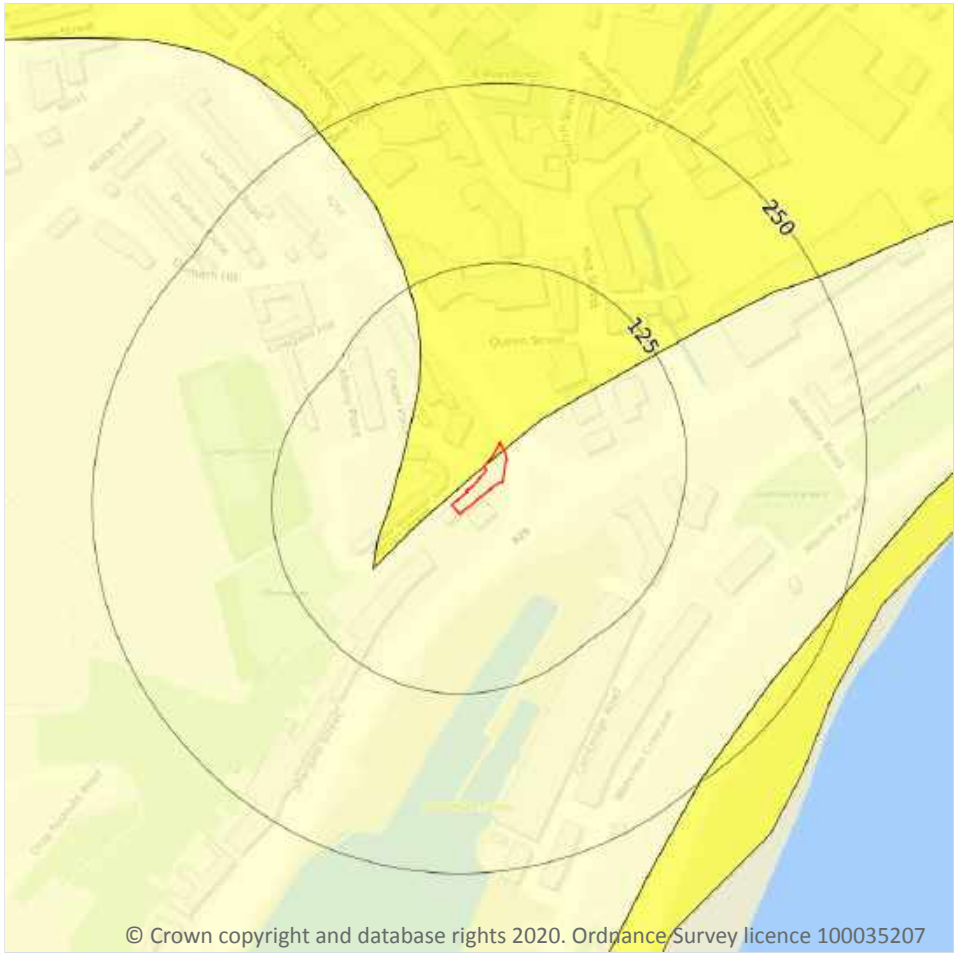
The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several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

Features are displayed on the Boreholes map on **page 105**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	172m NE	632040 141390	PHOENIX BREWERY, DOVER	20.57	N	706557
A	200m NE	632000 141450	PENCESTER GARDENS	6.5	N	706532
A	200m NE	632000 141450	PENCESTER GARDENS	22.0	N	706531

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	2

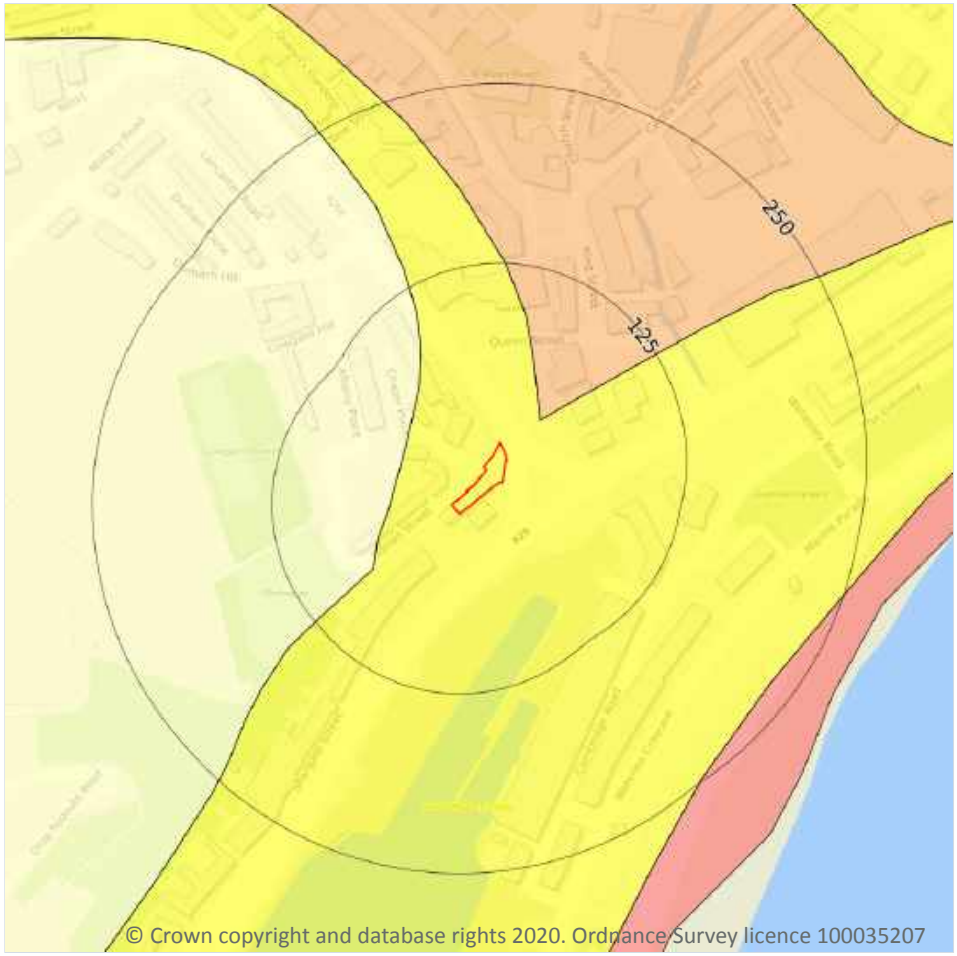
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 107**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	3

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

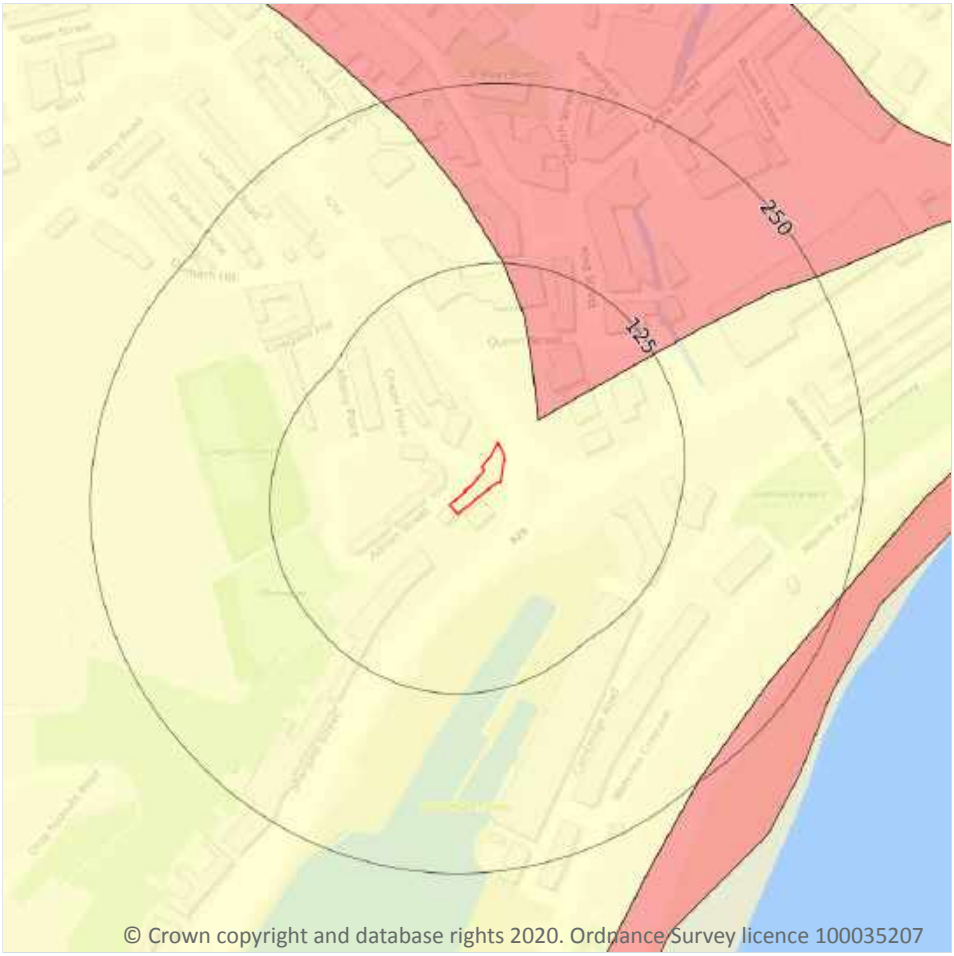
Features are displayed on the Natural ground subsidence - Running sands map on **page 108**

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

Location	Hazard rating	Details
32m NE	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
42m W	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

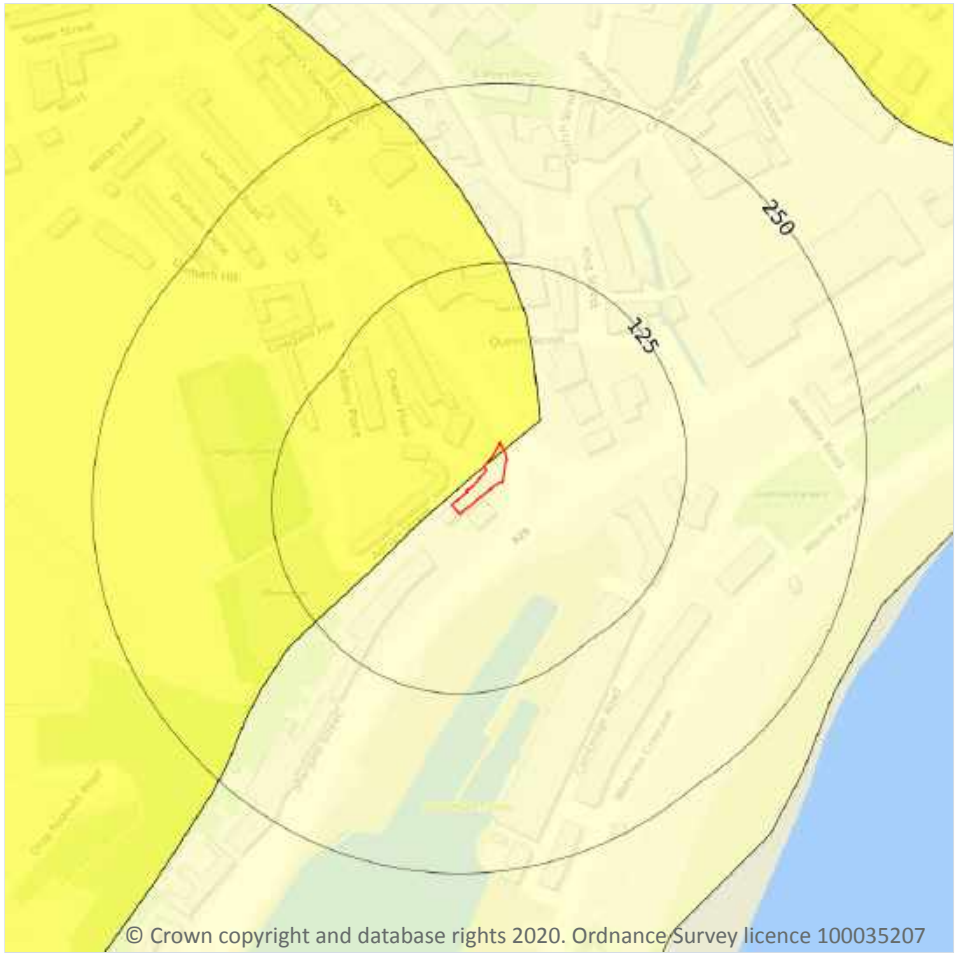
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 110**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
32m NE	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	2

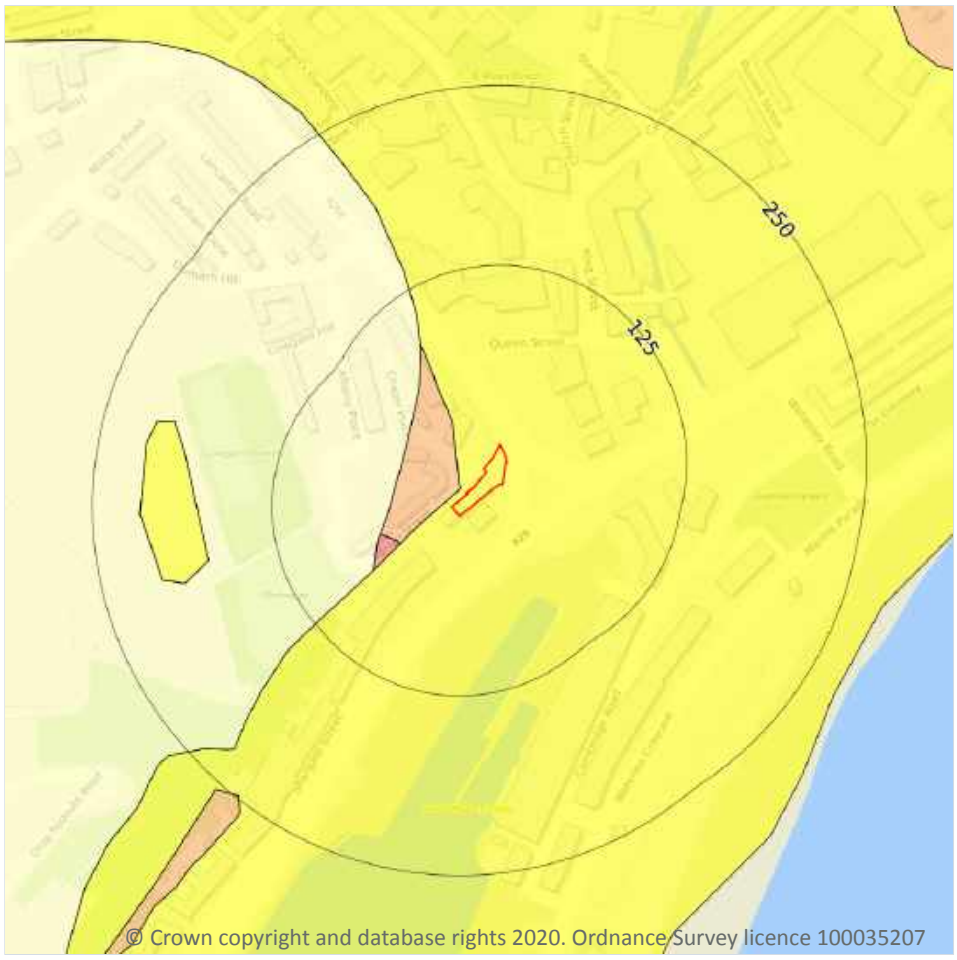
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 112**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	4

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

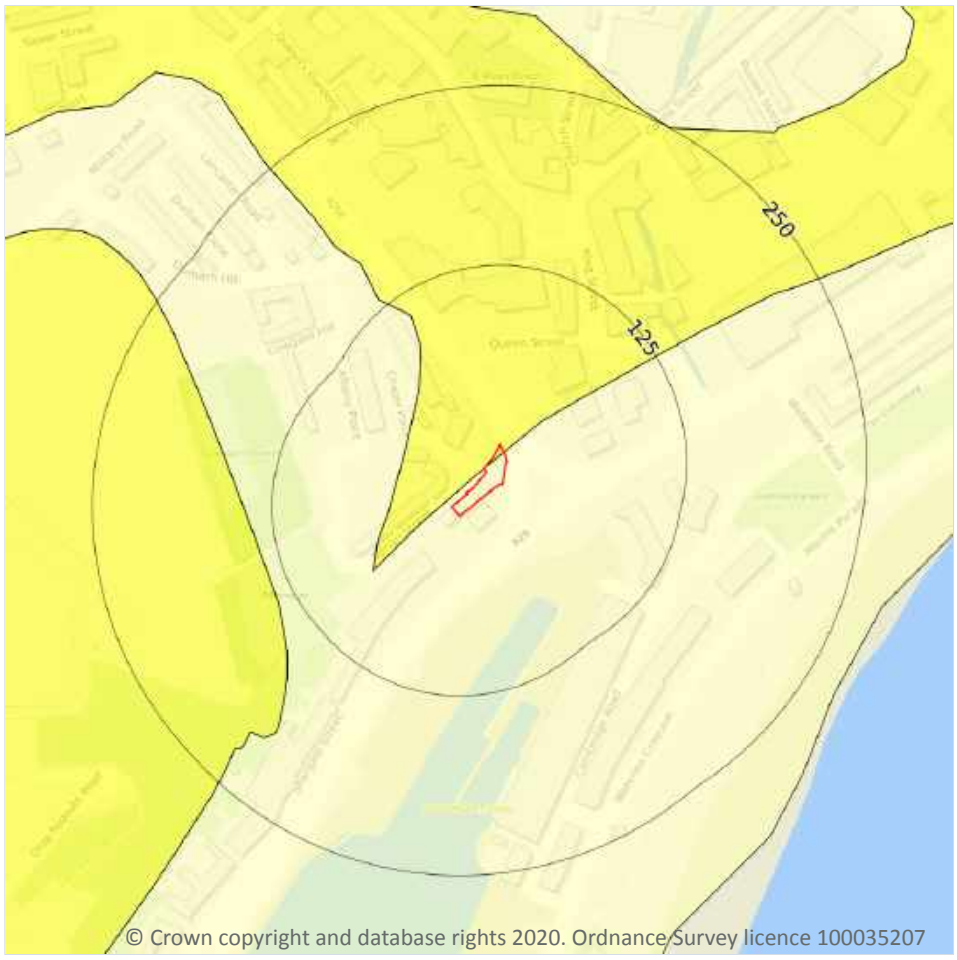
Features are displayed on the Natural ground subsidence - Landslides map on **page 113**

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

Location	Hazard rating	Details
5m NW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
42m W	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
44m SW	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

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.

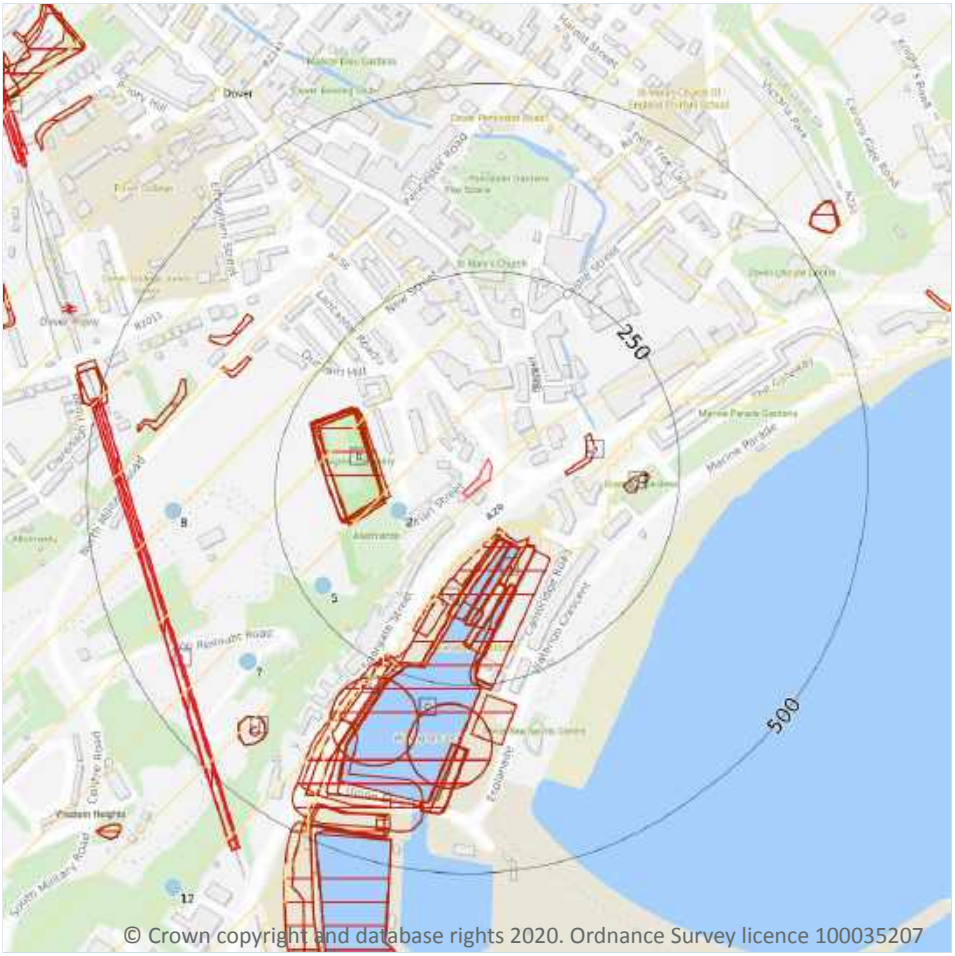
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 115**

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, ground workings and natural cavities



Site Outline

Search buffers in metres (m)

Natural cavities (Area)

Natural cavities (Point)

BritPits

Surface ground workings

Underground workings

Historical Mineral Planning Areas

Mining Cavities

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 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 Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m	0

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

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	33

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 117**

ID	Location	Land Use	Year of mapping	Mapping scale
A	59m SE	Quay	1938	1:10560
A	59m SE	Quay	1938	1:10560
B	62m SE	Quay	1906	1:10560
A	68m SE	Quay	1938	1:10560
A	68m SE	Quay	1938	1:10560
A	68m SE	Quay	1897	1:10560
A	77m SE	Quay	1979	1:10000
C	78m SE	Dock	1973	1:10000
C	78m SE	Dock	1961	1:10560
C	78m SE	Dock	1979	1:10000
D	97m W	Cemetery	1872	1:10560
3	98m E	Pond	1897	1:10560
A	98m SE	Quay	1938	1:10560
A	98m SE	Quay	1938	1:10560
D	103m W	Cemetery	1973	1:10000
D	103m W	Cemetery	1961	1:10560
D	103m W	Cemetery	1979	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
D	105m W	Old Cemetery	1906	1:10560
D	106m W	Old Cemetery	1938	1:10560
D	109m W	Old Cemetery	1938	1:10560
D	109m W	Old Cemetery	1938	1:10560
D	109m W	Cemetery	1897	1:10560
E	110m S	Quay	1938	1:10560
A	111m SE	Quay	1906	1:10560
A	123m S	Quay	1938	1:10560
A	123m S	Quay	1938	1:10560
A	123m S	Quay	1897	1:10560
A	130m SE	Quay	1979	1:10000
B	138m S	Quay	1897	1:10560
4	176m E	Pond	1979	1:10000
E	233m SW	Quay	1979	1:10000
E	241m SW	Quay	1938	1:10560
E	241m SW	Quay	1938	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m **13**

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, ground workings and natural cavities map on **page 117**

ID	Location	Land Use	Year of mapping	Mapping scale
I	414m SW	Unspecified Shaft	1979	1:10000
J	424m W	Tunnel	1973	1:10000
J	424m W	Tunnel	1961	1:10560
J	424m W	Tunnel	1979	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
J	427m W	Tunnel	1938	1:10560
J	427m W	Tunnel	1938	1:10560
J	427m W	Tunnel	1897	1:10560
P	724m NW	Tunnel	1973	1:10000
P	724m NW	Tunnel	1961	1:10560
P	733m NW	Tunnel	1938	1:10560
P	733m NW	Tunnel	1938	1:10560
P	733m NW	Tunnel	1897	1:10560
P	734m NW	Tunnel	1979	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	**1**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 117**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Chalk**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	**10**

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 Mining, ground workings and natural cavities map on **page 117**

ID	Location	Mine Address	Mineral	Data source	Publisher
2	89m W	'Snargate Street Tunnels' (North), Dover, Kent	Chalk	-	Chelsea Speleological Society
5	223m SW	'Snargate Street Tunnels' (South), Dover, Kent	Chalk	-	Chelsea Speleological Society
7	363m SW	'The Grand Shaft', Dover, Kent	Chalk	-	Chelsea Speleological Society
8	386m W	'The Drop Redoubt', Dover, Kent	Man made i.e. secret tunnels, air raid shelters	-	Chelsea Speleological Society
12	649m SW	'Harbour Tunnel Series', Dover, Kent	Chalk	-	Chelsea Speleological Society
-	719m E	Dover, Kent	Chalk	-	Chelsea Speleological Society
-	806m SW	'Western Heights', Dover, Kent	Man made i.e. secret tunnels, air raid shelters	-	Chelsea Speleological Society
-	849m NE	'Hellfire Corner/dumpy', Dover, Kent	Man made i.e. secret tunnels, air raid shelters	-	Chelsea Speleological Society
-	893m NE	Dover Castle, Dover, Kent	Man made i.e. secret tunnels, air raid shelters	-	Chelsea Speleological Society
-	943m W	'Detached Bastion', Dover, Kent	Man made i.e. secret tunnels, air raid shelters	-	Chelsea Speleological Society

This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	0

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0

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

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

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

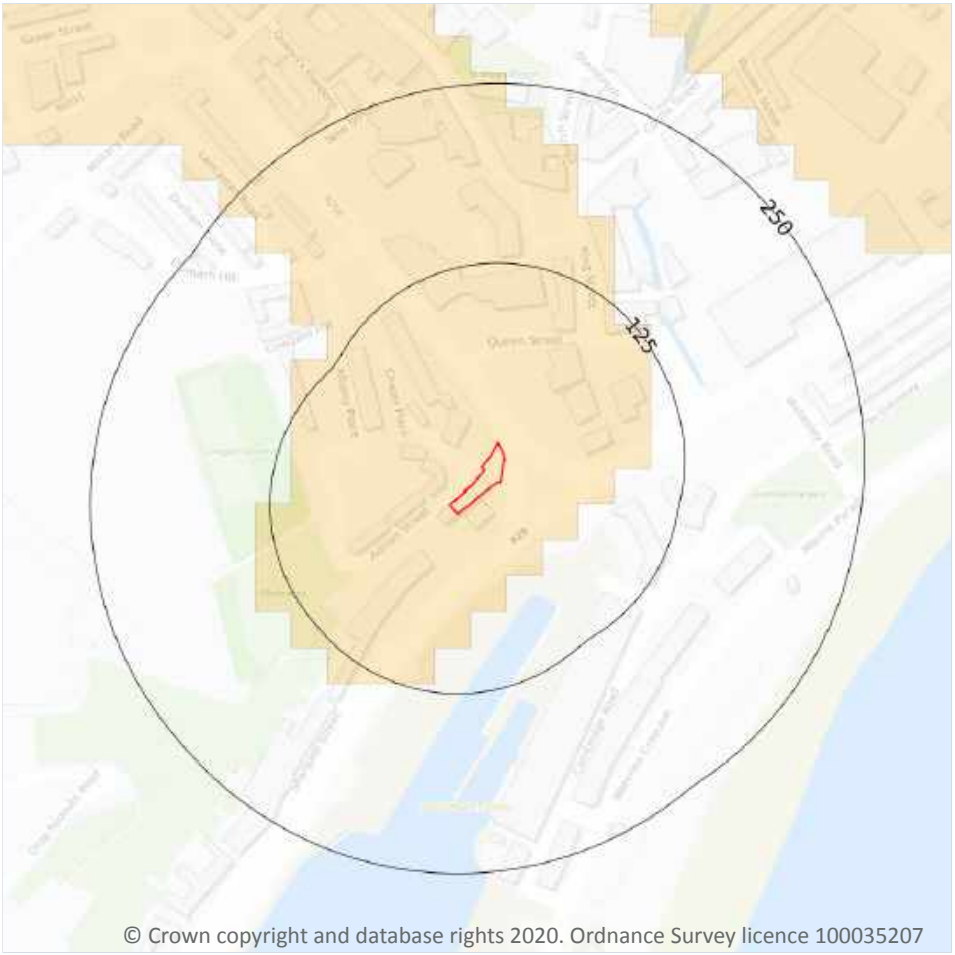
18.13 Clay mining

Records on site	0

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

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

19 Radon



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%

19.1 Radon

Records on site	1

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

Features are displayed on the Radon map on **page 124**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 3% and 5%**	**Basic**

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

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m	4

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 km^2. 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 km^2; 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 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
32m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
42m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m	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 km^2).

This data is sourced from the British Geological Survey.

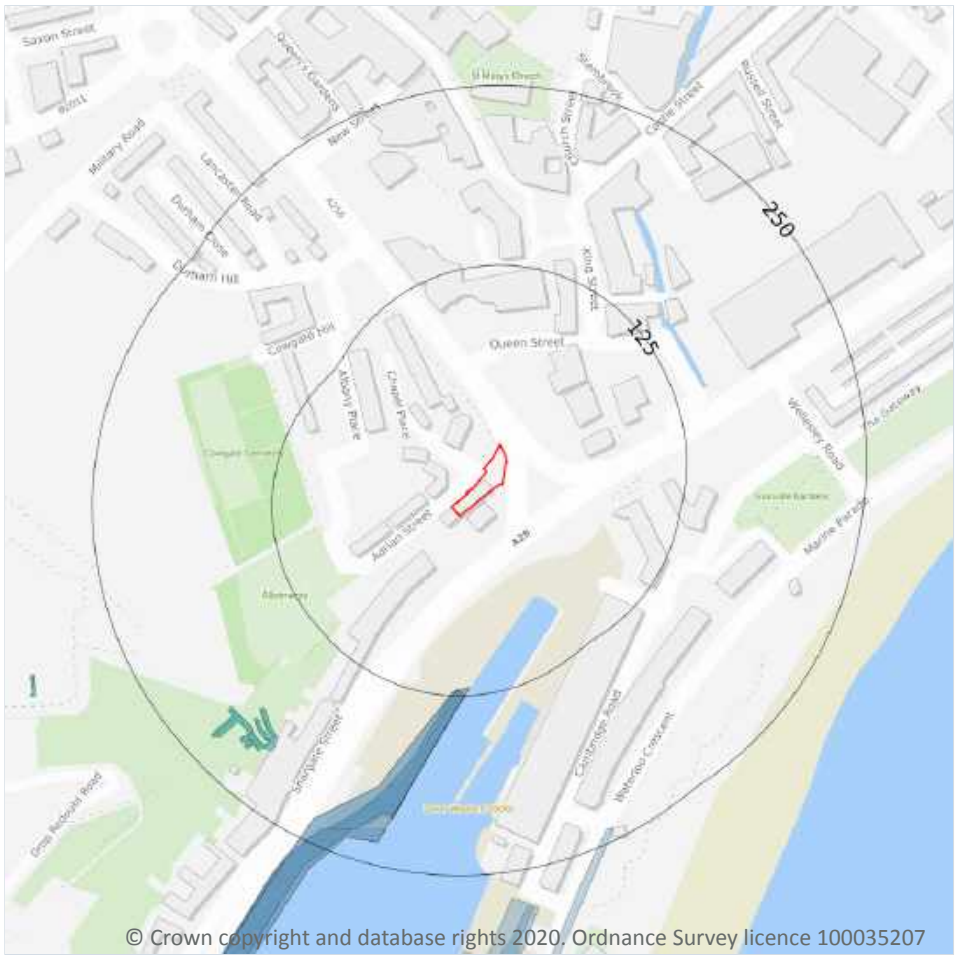
20.3 BGS Measured Urban Soil Chemistry

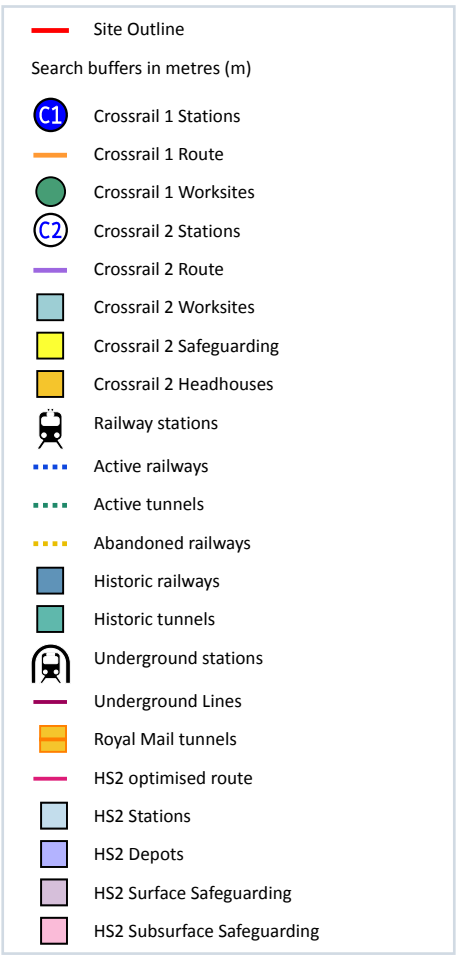
Records within 50m	0

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 km^2.

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects





21.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m	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.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	20

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 126**

Location	Land Use	Year of mapping	Mapping scale
119m S	Railway Sidings	1973	10000
119m S	Railway Sidings	1961	10560
120m S	Railway Sidings	1956	2500
121m S	Railway Sidings	1956	1250
123m S	Railway Sidings	1969	1250
190m SW	Tunnels	1988	1250
190m SW	Tunnels	1992	1250
191m SW	Tunnels	1993	1250
191m SW	Tunnels	1996	1250
191m SW	Tunnels	1994	1250
199m SW	Tunnel	1996	1250
199m SW	Tunnel	1993	1250
199m SW	Tunnel	1994	1250
206m SW	Tunnel	1996	1250
206m SW	Tunnel	1993	1250
206m SW	Tunnel	1994	1250
224m S	Railway Sidings	1969	1250

Location	Land Use	Year of mapping	Mapping scale
230m S	Railway Sidings	1956	1250
231m S	Railway Sidings	1956	2500
231m S	Railway Sidings	1968	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

21.10 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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