

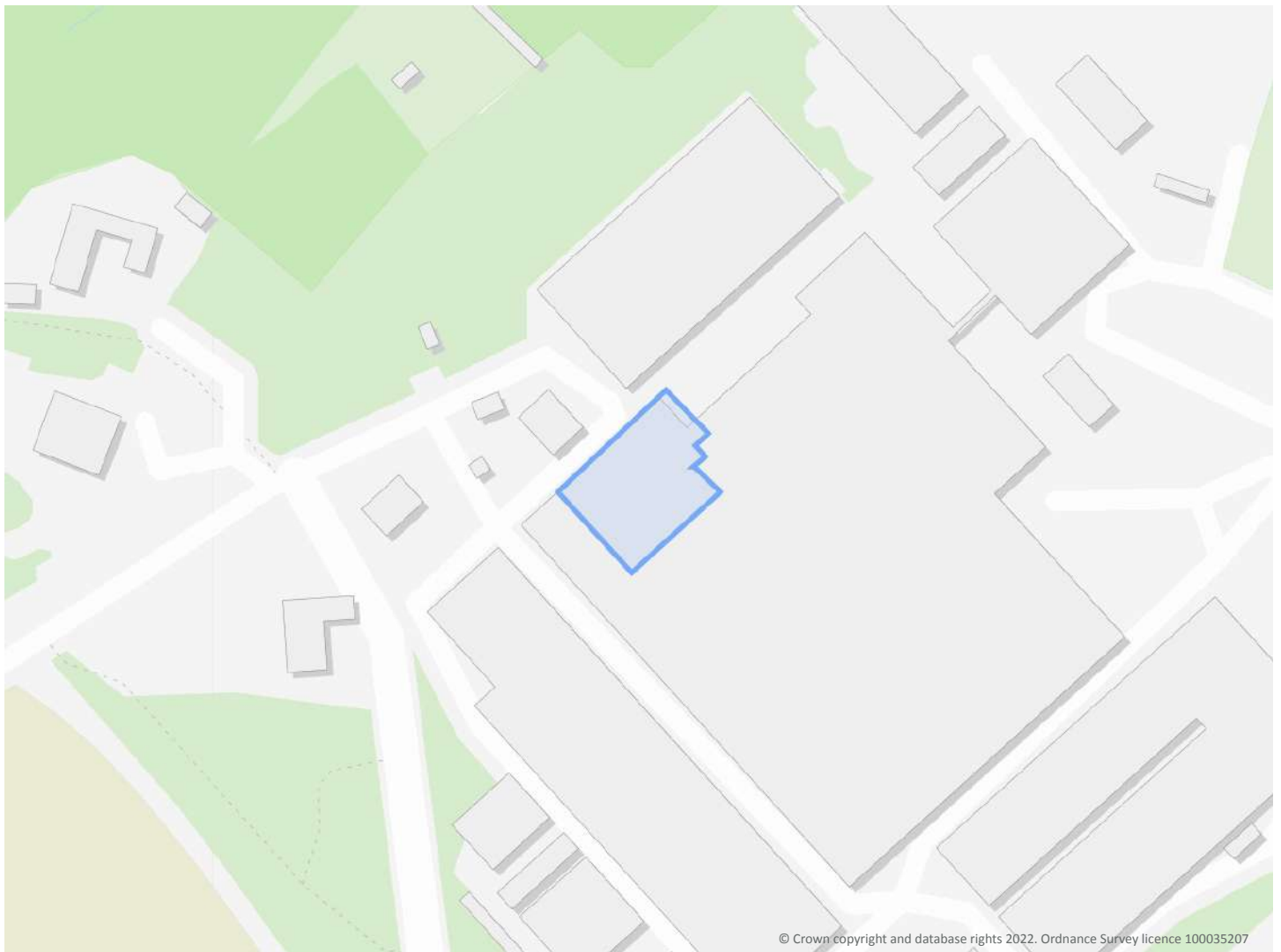
AEROSTRUCTURES HAMBLE LTD, AEROSTRUCTURES HAMBLE LTD, KINGS AVENUE, HAMBLE-LE-RICE, SO31 4NF

Order Details

Date: 16/05/2022
Your ref: G-2022-0101
Our Ref: HMD-339-8750061

Site Details

Location: 446827 107256
Area: 0.16 ha
Authority: [Eastleigh Borough Council](#)



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Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>14</u>	<u>1.1</u>	<u>Historical industrial land uses</u>	3	0	7	26	-
<u>16</u>	<u>1.2</u>	<u>Historical tanks</u>	0	1	12	0	-
<u>17</u>	<u>1.3</u>	<u>Historical energy features</u>	0	0	7	4	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	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
<u>19</u>	<u>2.1</u>	<u>Historical industrial land uses</u>	4	0	8	37	-
<u>21</u>	<u>2.2</u>	<u>Historical tanks</u>	0	2	17	0	-
<u>22</u>	<u>2.3</u>	<u>Historical energy features</u>	0	0	10	5	-
23	2.4	Historical petrol stations	0	0	0	0	-
23	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
24	3.1	Active or recent landfill	0	0	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
25	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
25	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
25	3.5	Historical waste sites	0	0	0	0	-
25	3.6	Licensed waste sites	0	0	0	0	-
<u>25</u>	<u>3.7</u>	<u>Waste exemptions</u>	0	0	2	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>27</u>	<u>4.1</u>	<u>Recent industrial land uses</u>	0	4	25	-	-
29	4.2	Current or recent petrol stations	0	0	0	0	-
29	4.3	Electricity cables	0	0	0	0	-
29	4.4	Gas pipelines	0	0	0	0	-
30	4.5	Sites determined as Contaminated Land	0	0	0	0	-



30	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
30	4.7	<u>Regulated explosive sites</u>	1	0	0	0	-
30	4.8	<u>Hazardous substance storage/usage</u>	0	0	1	0	-
31	4.9	<u>Historical licensed industrial activities (IPC)</u>	0	0	0	3	-
32	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	12	26	0	-
38	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	0	-
38	4.12	Radioactive Substance Authorisations	0	0	0	0	-
39	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	2	4	-
40	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
40	4.15	<u>Pollutant release to public sewer</u>	0	0	0	1	-
40	4.16	List 1 Dangerous Substances	0	0	0	0	-
40	4.17	List 2 Dangerous Substances	0	0	0	0	-
41	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	2	-
41	4.19	<u>Pollution inventory substances</u>	0	1	0	0	-
42	4.20	<u>Pollution inventory waste transfers</u>	0	1	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
48	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
50	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
51	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
52	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
53	5.5	Groundwater vulnerability- local information	None (within 0m)				
54	5.6	<u>Groundwater abstractions</u>	0	0	2	0	0
55	5.7	Surface water abstractions	0	0	0	0	0
55	5.8	Potable abstractions	0	0	0	0	0
56	5.9	Source Protection Zones	0	0	0	0	-
56	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
57	6.1	<u>Water Network (OS MasterMap)</u>	0	0	7	-	-



58	6.2	<u>Surface water features</u>	0	0	1	-	-
58	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
59	6.4	<u>WFD Surface water bodies</u>	0	0	1	-	-
59	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
60	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
60	7.2	Historical Flood Events	0	0	0	-	-
60	7.3	Flood Defences	0	0	0	-	-
61	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
61	7.5	Flood Storage Areas	0	0	0	-	-
62	7.6	Flood Zone 2	None (within 50m)				
62	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
63	8.1	<u>Surface water flooding</u>	1 in 1000 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
65	9.1	<u>Groundwater flooding</u>	Moderate-High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
66	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	1	0	5
67	10.2	<u>Conserved wetland sites (Ramsar sites)</u>	0	0	1	0	6
71	10.3	<u>Special Areas of Conservation (SAC)</u>	0	0	0	0	2
71	10.4	<u>Special Protection Areas (SPA)</u>	0	0	1	1	8
74	10.5	National Nature Reserves (NNR)	0	0	0	0	0
74	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	2
74	10.7	<u>Designated Ancient Woodland</u>	0	0	1	1	4
75	10.8	Biosphere Reserves	0	0	0	0	0
75	10.9	Forest Parks	0	0	0	0	0
75	10.10	Marine Conservation Zones	0	0	0	0	0
75	10.11	Green Belt	0	0	0	0	0
76	10.12	Proposed Ramsar sites	0	0	0	0	0

76	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
76	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
76	10.15	Nitrate Sensitive Areas	0	0	0	0	0
77	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	0	0	1
78	10.17	<u>SSSI Impact Risk Zones</u>	2	-	-	-	-
79	10.18	<u>SSSI Units</u>	0	0	1	1	9
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
85	11.1	World Heritage Sites	0	0	0	-	-
86	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
86	11.3	National Parks	0	0	0	-	-
86	11.4	<u>Listed Buildings</u>	0	0	3	-	-
87	11.5	Conservation Areas	0	0	0	-	-
87	11.6	Scheduled Ancient Monuments	0	0	0	-	-
87	11.7	<u>Registered Parks and Gardens</u>	0	0	1	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
88	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
89	12.2	<u>Open Access Land</u>	0	0	2	-	-
89	12.3	Tree Felling Licences	0	0	0	-	-
89	12.4	Environmental Stewardship Schemes	0	0	0	-	-
89	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
90	13.1	<u>Priority Habitat Inventory</u>	0	0	8	-	-
91	13.2	<u>Habitat Networks</u>	1	0	2	-	-
91	13.3	Open Mosaic Habitat	0	0	0	-	-
91	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	<u>10k Availability</u>	Identified (within 500m)				
94	14.2	Artificial and made ground (10k)	0	0	0	0	-
95	14.3	<u>Superficial geology (10k)</u>	1	1	2	1	-

96	14.4	Landslip (10k)	0	0	0	0	-
97	14.5	<u>Bedrock geology (10k)</u>	1	1	0	0	-
98	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
99	15.1	<u>50k Availability</u>	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	<u>Superficial geology (50k)</u>	1	1	2	1	-
102	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
102	15.6	Landslip (50k)	0	0	0	0	-
102	15.7	Landslip permeability (50k)	None (within 50m)				
103	15.8	<u>Bedrock geology (50k)</u>	1	1	0	1	-
104	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
104	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
105	16.1	<u>BGS Boreholes</u>	0	0	4	-	-
Page	Section	Natural ground subsidence					
107	17.1	<u>Shrink swell clays</u>	Moderate (within 50m)				
109	17.2	<u>Running sands</u>	Very low (within 50m)				
110	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
111	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
112	17.5	<u>Landslides</u>	Very low (within 50m)				
113	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
115	18.1	Natural cavities	0	0	0	0	-
116	18.2	BritPits	0	0	0	0	-
116	18.3	<u>Surface ground workings</u>	0	0	2	-	-
116	18.4	Underground workings	0	0	0	0	0
116	18.5	<u>Historical Mineral Planning Areas</u>	0	0	0	1	-



117	18.6	Non-coal mining	0	0	0	0	0
117	18.7	Mining cavities	0	0	0	0	0
117	18.8	JPB mining areas	None (within 0m)				
117	18.9	Coal mining	None (within 0m)				
118	18.10	Brine areas	None (within 0m)				
118	18.11	Gypsum areas	None (within 0m)				
118	18.12	Tin mining	None (within 0m)				
118	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
119	19.1	Radon	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
120	20.1	BGS Estimated Background Soil Chemistry	2	2	-	-	-
120	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
121	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
122	21.1	Underground railways (London)	0	0	0	-	-
122	21.2	Underground railways (Non-London)	0	0	0	-	-
122	21.3	Railway tunnels	0	0	0	-	-
122	21.4	Historical railway and tunnel features	0	0	0	-	-
122	21.5	Royal Mail tunnels	0	0	0	-	-
123	21.6	Historical railways	0	0	0	-	-
123	21.7	Railways	0	0	0	-	-
123	21.8	Crossrail 1	0	0	0	0	-
123	21.9	Crossrail 2	0	0	0	0	-
123	21.10	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 05/04/2020

Site Area: 0.16ha



Recent site history - 2017 aerial photograph



Capture Date: 21/06/2017

Site Area: 0.16ha



Recent site history - 2006 aerial photograph



Capture Date: 22/04/2006

Site Area: 0.16ha



Recent site history - 2005 aerial photograph

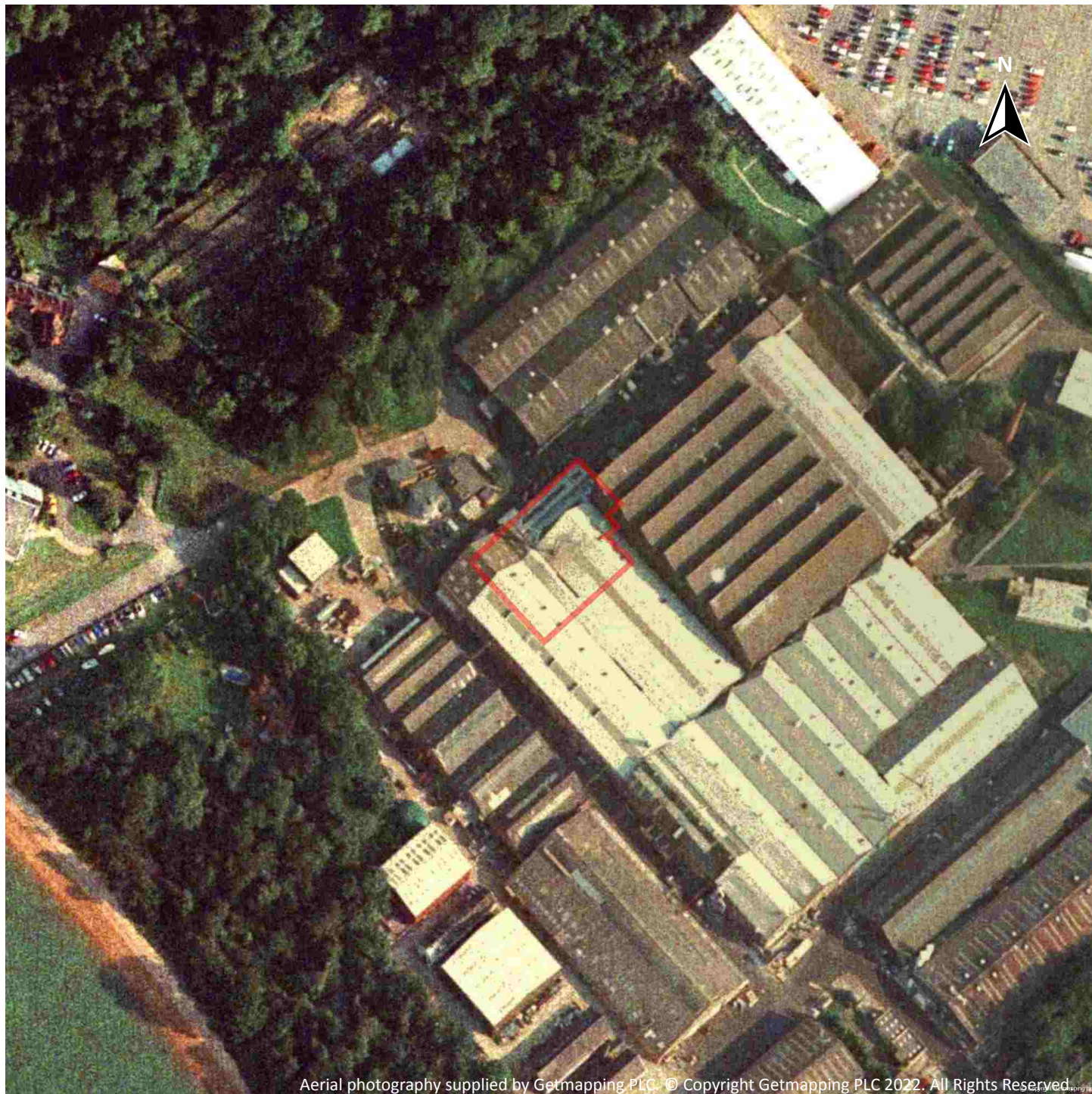


Capture Date: 16/05/2005

Site Area: 0.16ha



Recent site history - 1999 aerial photograph

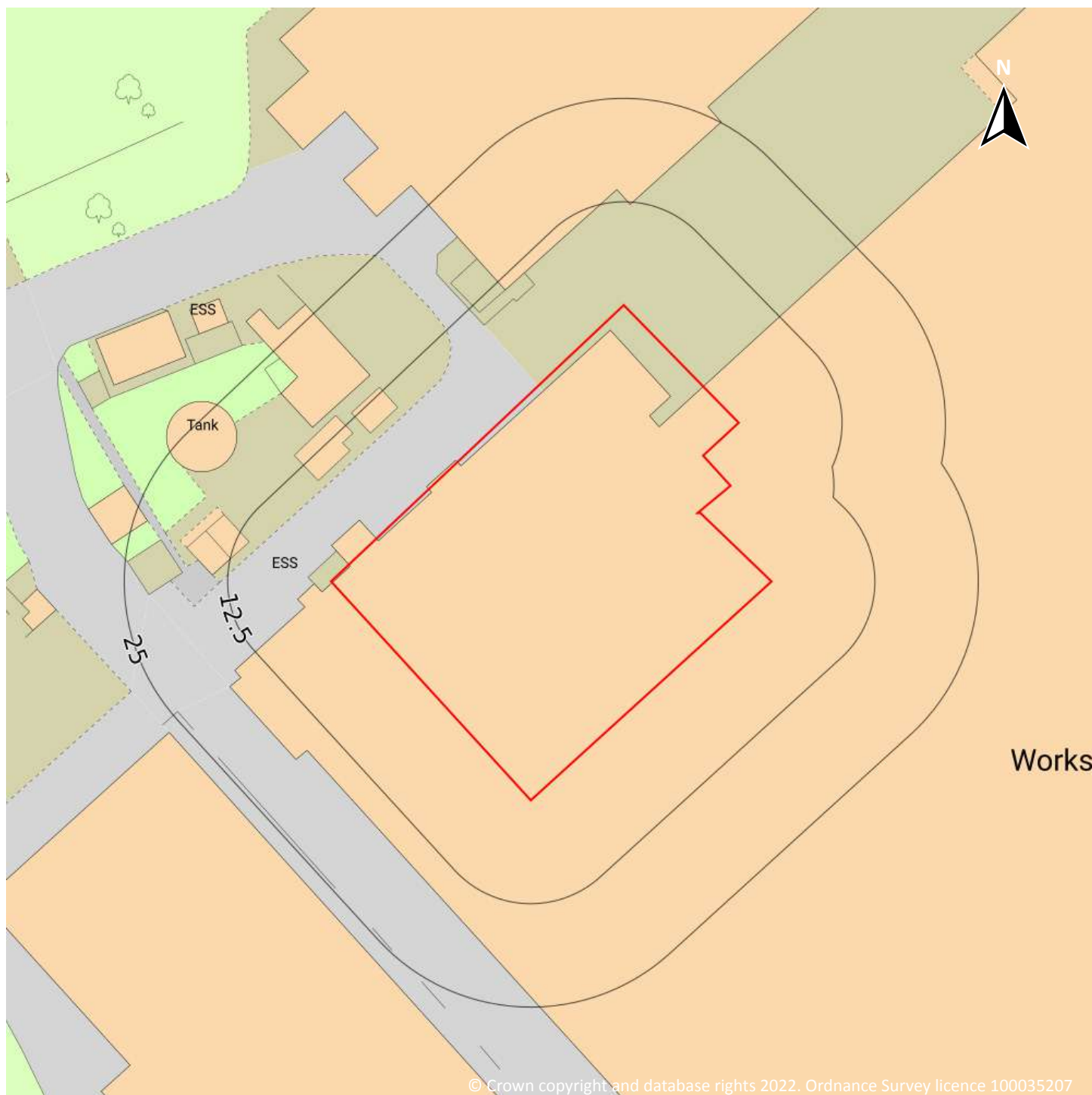


Capture Date: 04/09/1999

Site Area: 0.16ha



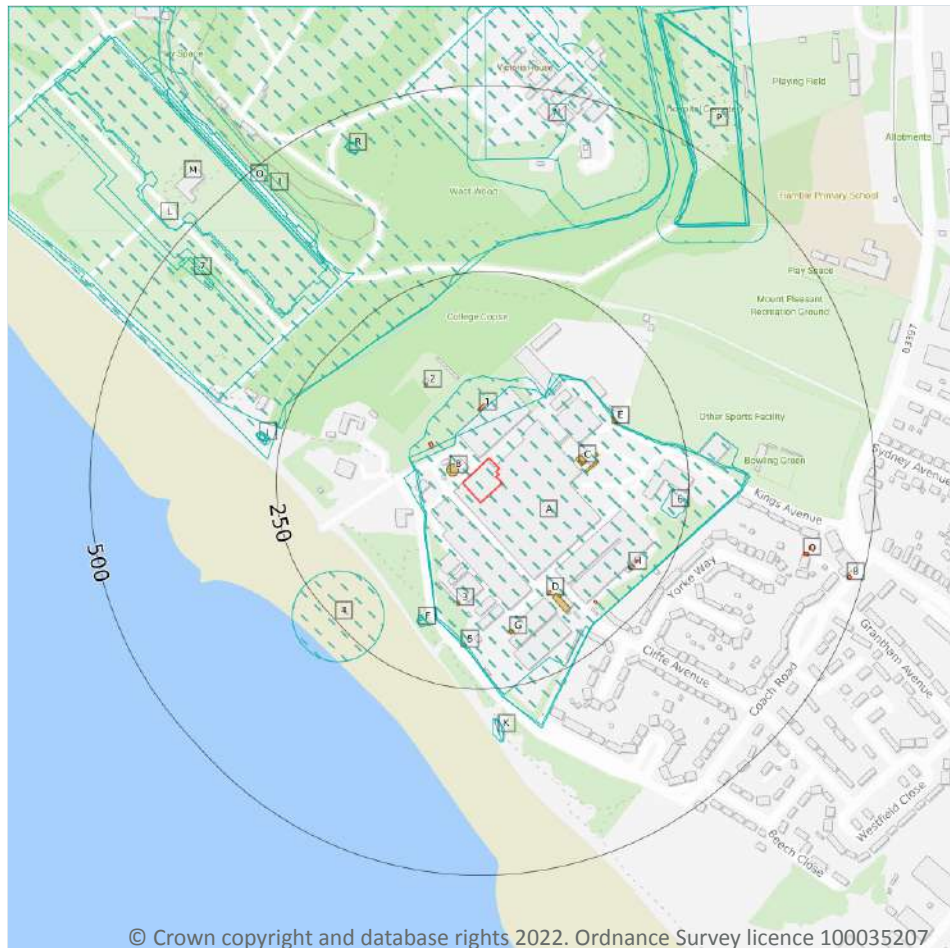
OS MasterMap site plan



Site Area: 0.16ha



1 Past land use



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

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1.1 Historical industrial land uses

Records within 500m

36

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	On site	Unspecified Works	1971	1936440



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Works	1971	1965243
A	On site	Unspecified Works	1989	1967718
F	170m SW	Battery	1932	1920787
F	170m SW	Battery	1896	1933021
F	171m SW	Battery	1869	1918297
4	183m SW	Battery	1932	1870528
I	215m NW	Military Hospital	1971	1885118
6	215m E	Unspecified Pit	1859	1876784
I	217m NW	Hospital	1957 - 1971	1886440
J	263m W	Unspecified Tank	1932	1912008
J	266m W	Unspecified Tank	1932 - 1942	1899121
J	268m W	Engine House	1896	1901544
J	272m W	Engine House	1907	1924546
K	290m S	Unspecified Pit	1859	1876785
K	290m S	Unspecified Ground Workings	1896	1851444
L	305m NW	Hospital	1932	1933192
M	310m NW	Hospital	1869 - 1896	1897864
L	319m NW	Unspecified Ground Workings	1869	1851443
M	325m NW	Hospital	1907 - 1942	1886616
N	332m N	Mental Hospital	1908 - 1931	1927496
O	333m NW	Railway Sidings	1957	1886091
O	344m NW	Railway Sidings	1932	1919743
N	357m N	Mental Hospital	1942 - 1957	1937114
O	373m NW	Unspecified Pit	1869	1926519
P	376m NE	Cemetery	1931	1919386
P	400m NE	Cemetery	1896	1904694
P	401m NE	Cemetery	1942 - 1957	1889659
P	401m NE	Cemetery	1908	1950356



ID	Location	Land use	Dates present	Group ID
N	401m N	Hospital	1896	1942955
P	402m NE	Cemetery	1859	1895100
P	403m NE	Hospital Cemetery	1871	1903451
7	425m NW	Unspecified Pit	1932	1876786
R	445m NW	Infectious Hospital	1896	1875309
R	445m NW	Isolation Hospital	1932	1888869
R	447m NW	Isolation Hospital	1907 - 1942	1951808

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

13

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

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

ID	Location	Land use	Dates present	Group ID
B	14m NW	Unspecified Tank	1986 - 1993	328290
C	103m E	Tanks	1986 - 1993	312923
C	107m E	Unspecified Tank	1964	302776
C	112m E	Tanks	1986 - 1993	322573
2	128m NW	Unspecified Tank	1897 - 1909	327449
C	130m E	Unspecified Tank	1986 - 1993	313496
3	136m S	Unspecified Tank	1986	302780
D	149m SE	Unspecified Tank	1993	302781
D	158m SE	Unspecified Tank	1964	315802
D	162m SE	Unspecified Tank	1986 - 1993	313715
E	166m NE	Tanks	1985	309812



ID	Location	Land use	Dates present	Group ID
G	174m S	Tanks	1986	309811
G	175m S	Unspecified Tank	1993	302779

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	11
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
B	61m NW	Electricity Substation	1993	187921
1	63m N	Electricity Substation	1986 - 1993	202471
E	168m E	Gas Governor	1993	191793
5	189m S	Electricity Substation	1986 - 1993	196388
D	200m SE	Electricity Substation	1993	187924
H	203m SE	Electricity Substation	1985 - 1993	202378
H	208m SE	Gas Governor	1993	191792
Q	415m E	Electricity Substation	1959	205833
Q	416m E	Electricity Substation	1993	207226
Q	420m E	Electricity Substation	1985	187922
8	480m E	Gas Governor	1985 - 1993	196723

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m**0**

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m**0**

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

This data is sourced from Ordnance Survey / Groundsure.

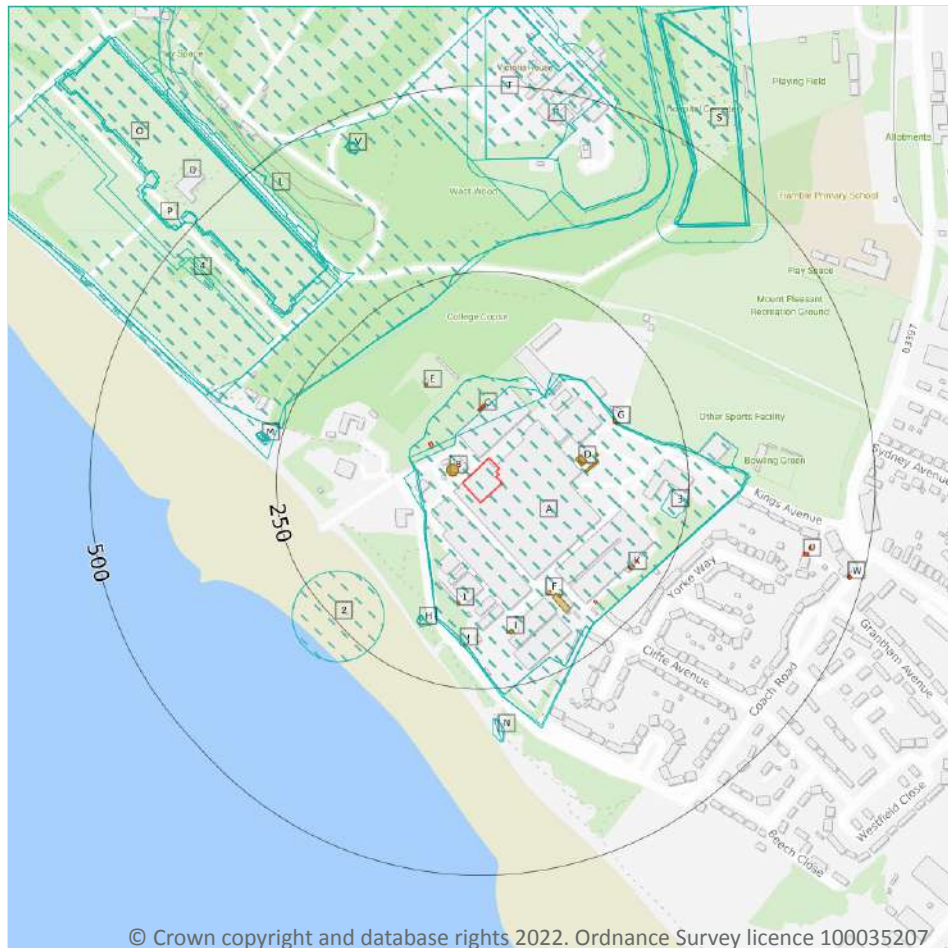
1.6 Historical military land

Records within 500m**0**

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

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

2 Past land use - un-grouped



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

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2.1 Historical industrial land uses

Records within 500m

49

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 19**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1971	1936440
A	On site	Unspecified Works	1971	1936440
A	On site	Unspecified Works	1971	1965243

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1989	1967718
H	170m SW	Battery	1932	1920787
H	170m SW	Battery	1896	1933021
H	171m SW	Battery	1869	1918297
2	183m SW	Battery	1932	1870528
L	215m NW	Military Hospital	1971	1885118
L	215m NW	Military Hospital	1971	1885118
3	215m E	Unspecified Pit	1859	1876784
L	217m NW	Hospital	1971	1886440
M	263m W	Unspecified Tank	1932	1912008
M	266m W	Unspecified Tank	1942	1899121
M	266m W	Unspecified Tank	1932	1899121
M	268m W	Engine House	1896	1901544
M	272m W	Engine House	1907	1924546
N	290m S	Unspecified Pit	1859	1876785
N	290m S	Unspecified Ground Workings	1896	1851444
O	304m NW	Hospital	1957	1886440
P	305m NW	Hospital	1932	1933192
Q	310m NW	Hospital	1869	1897864
P	319m NW	Unspecified Ground Workings	1869	1851443
Q	325m NW	Hospital	1942	1886616
Q	325m NW	Hospital	1907	1886616
Q	327m NW	Hospital	1932	1886616
Q	327m NW	Hospital	1896	1897864
R	332m N	Mental Hospital	1931	1927496
O	333m NW	Railway Sidings	1957	1886091
O	344m NW	Railway Sidings	1932	1919743
R	357m N	Mental Hospital	1942	1937114



ID	Location	Land Use	Date	Group ID
R	357m N	Mental Hospital	1908	1927496
O	373m NW	Unspecified Pit	1869	1926519
S	376m NE	Cemetery	1931	1919386
T	400m N	Mental Hospital	1957	1937114
S	400m NE	Cemetery	1896	1904694
S	401m NE	Cemetery	1957	1889659
S	401m NE	Cemetery	1942	1889659
S	401m NE	Cemetery	1908	1950356
T	401m N	Hospital	1896	1942955
S	402m NE	Cemetery	1859	1895100
S	403m NE	Hospital Cemetery	1871	1903451
S	403m NE	Hospital Cemetery	1871	1903451
4	425m NW	Unspecified Pit	1932	1876786
V	445m NW	Isolation Hospital	1932	1888869
V	445m NW	Infectious Hospital	1896	1875309
V	447m NW	Isolation Hospital	1942	1951808
V	447m NW	Isolation Hospital	1932	1951808
V	447m NW	Isolation Hospital	1907	1951808

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

19

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 19**

ID	Location	Land Use	Date	Group ID
B	14m NW	Unspecified Tank	1993	328290
B	15m NW	Unspecified Tank	1986	328290



ID	Location	Land Use	Date	Group ID
D	103m E	Tanks	1993	312923
D	104m E	Tanks	1986	312923
D	107m E	Unspecified Tank	1964	302776
D	112m E	Tanks	1993	322573
D	113m E	Tanks	1986	322573
E	128m NW	Unspecified Tank	1897	327449
E	128m NW	Unspecified Tank	1909	327449
D	130m E	Unspecified Tank	1993	313496
D	130m E	Unspecified Tank	1986	313496
1	136m S	Unspecified Tank	1986	302780
F	149m SE	Unspecified Tank	1993	302781
F	158m SE	Unspecified Tank	1964	315802
F	162m SE	Unspecified Tank	1986	313715
F	162m SE	Unspecified Tank	1993	313715
G	166m NE	Tanks	1985	309812
I	174m S	Tanks	1986	309811
I	175m S	Unspecified Tank	1993	302779

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

15

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 19**

ID	Location	Land Use	Date	Group ID
B	61m NW	Electricity Substation	1993	187921
C	63m N	Electricity Substation	1993	202471
C	65m N	Electricity Substation	1986	202471



ID	Location	Land Use	Date	Group ID
G	168m E	Gas Governor	1993	191793
J	189m S	Electricity Substation	1986	196388
J	191m S	Electricity Substation	1993	196388
F	200m SE	Electricity Substation	1993	187924
K	203m SE	Electricity Substation	1985	202378
K	204m SE	Electricity Substation	1993	202378
K	208m SE	Gas Governor	1993	191792
U	415m E	Electricity Substation	1959	205833
U	416m E	Electricity Substation	1993	207226
U	420m E	Electricity Substation	1985	187922
W	480m E	Gas Governor	1985	196723
W	481m E	Gas Governor	1993	196723

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



— 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

2

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 24**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	227m E	GE Aviation Kings Avenue SOUTHAMPTON SO31 4NF	EPR/PF0831HB /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
A	227m E	GE Aviation Kings Avenue SOUTHAMPTON SO31 4NF	EPR/AF0634ZX /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction

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
- ▨ Regulated explosive sites
- ▲ Hazardous substance storage/usage
- Historical licensed industrial activities
- ⬮ Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollutant release to public sewer
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

29

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Company	Address	Activity	Category
B	7m W	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
B	22m NW	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
B	34m NW	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
C	40m SE	Works	Hampshire, SO31	Unspecified Works Or Factories	Industrial Features
B	68m NW	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
1	73m N	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
A	107m E	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
A	110m E	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
A	112m E	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
A	117m E	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
2	123m NE	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
A	127m E	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
A	128m E	Chimney	Hampshire, SO31	Chimneys	Industrial Features
D	129m SE	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
D	137m SE	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
A	141m E	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
E	147m SE	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
E	163m SE	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
A	169m E	Gas Governor Station	Hampshire, SO31	Gas Features	Infrastructure and Facilities
3	176m S	Tank	Hampshire, SO31	Tanks (Generic)	Industrial Features
4	190m S	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
G	206m SE	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
E	207m SE	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
G	209m SE	Gas Governor Station	Hampshire, SO31	Gas Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
G	216m E	Electricity Sub Station	Hampshire, SO31	Electrical Features	Infrastructure and Facilities
5	227m S	Slipway	Hampshire, SO31	Moorings and Unloading Facilities	Water
H	227m E	Hamble Aerostructures Ltd	Kings Avenue, Hamble, Southampton, Hampshire, SO31 4NF	Airlines and Airline Services	Transport, Storage and Delivery
H	227m E	Hamble Aero	Kings Avenue, Hamble, Southampton, Hampshire, SO31 4NF	Aeroplanes	Industrial Products
6	228m W	Slipway	Hampshire, SO31	Moorings and Unloading Facilities	Water

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0
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Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
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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

1

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.

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Company	Operational Address
A	On site	Ge Aviation Systems Aerostructures Hamble Ltd	Kings Avenue, Hamble, Southampton, SO31 4NF

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

1

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

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Details	
H	228m E	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: GE Aviation Systems Aerostructures Hamble Ltd, Kings Avenue, Hamble Le Rice, Hampshire, England, SO3 5NF	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	3
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Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Details	
H	250m E	Operator: Aerostructures Hamble Ltd Address: Building Number 84, Titanium Etch Department, Kings Avenue, Hamble, Southampton, SO31 4NF Process: Acid Processes Permit Number: AL9556	Original Permit Number: IPCAIRAPP Date Approved: 23-5-1995 Effective Date: 1-6-1995 Status: Superseded By Variation
H	250m E	Operator: Aerostructures Hamble Ltd Address: Building Number 84, Titanium Etch Department, Kings Avenue, Hamble, Southampton, SO31 4NF Process: Acid Processes Permit Number: BC8040	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
H	250m E	Operator: Aerostructures Hamble Ltd Address: Building Number 84, Titanium Etch Department, Kings Avenue, Hamble, Southampton, SO31 4NF Process: Acid Processes Permit Number: BF1718	Original Permit Number: IPCMINVAR Date Approved: 31-1-1999 Effective Date: 31-1-1999 Status: Revoked - Now Ippc

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

38

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

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Details	
C	42m SE	Operator: HAMBLE AEROSTRUCTURES LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE - EPR/NP3209BW Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: NP3209BW Original Permit Number: NP3209BW	EPR Reference: - Issue Date: 23/01/2020 Effective Date: 31/01/2020 Last date noted as effective: 01/01/2022 Status: TRANSFER EFFECTIVE
C	42m SE	Operator: HAMBLE AEROSTRUCTURES LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE - EPR/NP3209BW Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: NP3209BW Original Permit Number: NP3209BW	EPR Reference: - Issue Date: 23/01/2020 Effective Date: 31/01/2020 Last date noted as effective: 01/01/2022 Status: TRANSFER EFFECTIVE
C	42m SE	Operator: HAMBLE AEROSTRUCTURES LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE - EPR/NP3209BW Process: INORGANIC CHEMICALS; USING HYDROGEN FLUORIDE/CHLORIDE ETC IF RELEASE TO AIR (OTHER THAN CHEMICALS MANUFACTURE ETC) Permit Number: NP3209BW Original Permit Number: NP3209BW	EPR Reference: - Issue Date: 23/01/2020 Effective Date: 31/01/2020 Last date noted as effective: 01/01/2022 Status: TRANSFER EFFECTIVE
C	42m SE	Operator: HAMBLE AEROSTRUCTURES LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE - EPR/NP3209BW Process: COATING PRINTING AND TEXTILES; USING SOLVENTS >5T/12 MONTHS (UNLESS 6.4 B (A) (III)) Permit Number: NP3209BW Original Permit Number: NP3209BW	EPR Reference: - Issue Date: 23/01/2020 Effective Date: 31/01/2020 Last date noted as effective: 01/01/2022 Status: TRANSFER EFFECTIVE
C	42m SE	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE EPR/YP3232KS Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: QP3230YM Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 15/03/2017 Effective Date: 15/03/2017 Last date noted as effective: 01/01/2022 Status: SUPERCEDED



ID	Location	Details	
C	42m SE	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE EPR/YP3232KS Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: QP3230YM Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 15/03/2017 Effective Date: 15/03/2017 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
C	42m SE	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE EPR/YP3232KS Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M WHERE CARRIED OUT WITH ACTIVITIES UNDER PART A(2) OR PART B OF OF SECTION 2.2 Permit Number: QP3230YM Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 15/03/2017 Effective Date: 15/03/2017 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
C	42m SE	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE EPR/YP3232KS Process: ACTIVITY WITH THE RELEASE INTO THE AIR OF ANY ACID-FORMING OXIDE OF NITROGEN Permit Number: QP3230YM Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 15/03/2017 Effective Date: 15/03/2017 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
C	42m SE	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE EPR/YP3232KS Process: COATING PRINTING AND TEXTILES; USING SOLVENTS >5T/12 MONTHS (UNLESS 6.4 B (A) (III)) Permit Number: QP3230YM Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 15/03/2017 Effective Date: 15/03/2017 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
C	42m SE	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE EPR/YP3232KS Process: INORGANIC CHEMICALS; USING HYDROGEN FLUORIDE/CHLORIDE ETC IF RELEASE TO AIR (OTHER THAN CHEMICALS MANUFACTURE ETC) Permit Number: QP3230YM Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 15/03/2017 Effective Date: 15/03/2017 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
C	42m SE	Operator: HAMBLE AEROSTRUCTURES LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE - EPR/NP3209BW Process: ACTIVITY WITH THE RELEASE INTO THE AIR OF ANY ACID-FORMING OXIDE OF NITROGEN Permit Number: NP3209BW Original Permit Number: NP3209BW	EPR Reference: - Issue Date: 23/01/2020 Effective Date: 31/01/2020 Last date noted as effective: 01/01/2022 Status: TRANSFER EFFECTIVE

ID	Location	Details	
C	42m SE	Operator: HAMBLE AEROSTRUCTURES LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE - EPR/NP3209BW Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M WHERE CARRIED OUT WITH ACTIVITIES UNDER PART A(2) OR PART B OF SECTION 2.2 Permit Number: NP3209BW Original Permit Number: NP3209BW	EPR Reference: - Issue Date: 23/01/2020 Effective Date: 31/01/2020 Last date noted as effective: 01/01/2022 Status: TRANSFER EFFECTIVE
H	227m E	Operator: AEROSTRUCTURES HAMBLE LTD Installation Name: HAMBLE SURFACE TREATMENT Process: COATING, PRINTING AND TEXTILES; USING ORGANIC SOLVENTS >150KG/HR OR 200 T/A UNLESS 6.4 A(1) Permit Number: BX8092IP Original Permit Number: BX8092IP	EPR Reference: - Issue Date: 15/02/2005 Effective Date: 15/02/2005 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: FERROUS METALS; OPERATING HAMMERS >50KJ/HAMMER Permit Number: RP3332TX Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 09/09/2010 Effective Date: 09/09/2010 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: NON-FERROUS METALS; MELTING AND MAKING ALLOYS >4 T/DAY LEAD/CADMIUM OR 20 T/D OTHERS AND ALL FURNACES ETC 5T Permit Number: RP3332TX Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 09/09/2010 Effective Date: 09/09/2010 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: RP3332TX Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 09/09/2010 Effective Date: 09/09/2010 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: XP3333CY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/02/2012 Effective Date: 16/02/2012 Last date noted as effective: 01/01/2022 Status: SUPERCEDED



ID	Location	Details	
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: COATING, PRINTING AND TEXTILES; USING ORGANIC SOLVENTS >150KG/HR OR 200 T/A UNLESS 6.4 A(1) Permit Number: YP3232KS Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 26/11/2009 Effective Date: 26/11/2009 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: NON-FERROUS METALS; MELTING AND MAKING ALLOYS >4 T/DAY LEAD/CADMIUM OR 20 T/D OTHERS AND ALL FURNACES ETC 5T Permit Number: YP3232KS Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 26/11/2009 Effective Date: 26/11/2009 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: COATING, PRINTING AND TEXTILES; USING ORGANIC SOLVENTS >150KG/HR OR 200 T/A UNLESS 6.4 A(1) Permit Number: XP3333CY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/02/2012 Effective Date: 16/02/2012 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: FERROUS METALS; OPERATING HAMMERS >50KJ/HAMMER Permit Number: XP3333CY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/02/2012 Effective Date: 16/02/2012 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: NON-FERROUS METALS; MELTING AND MAKING ALLOYS >4 T/DAY LEAD/CADMIUM OR 20 T/D OTHERS AND ALL FURNACES ETC 5T Permit Number: XP3333CY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/02/2012 Effective Date: 16/02/2012 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: LP3439AY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/06/2015 Effective Date: 16/06/2015 Last date noted as effective: 01/01/2022 Status: SUPERCEDED

ID	Location	Details	
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: INORGANIC CHEMICALS; USING HYDROGEN FLUORIDE/CHLORIDE ETC IF RELEASE TO AIR (OTHER THAN CHEMICALS MANUFACTURE ETC) Permit Number: LP3439AY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/06/2015 Effective Date: 16/06/2015 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M WHERE CARRIED OUT WITH ACTIVITIES UNDER PART A(2) OR PART B OF OF SECTION 2.2 Permit Number: PP3635VA Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 05/03/2014 Effective Date: 05/03/2014 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: FERROUS METALS; OPERATING HAMMERS >50KJ/HAMMER Permit Number: YP3232KS Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 26/11/2009 Effective Date: 26/11/2009 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: COATING PRINTING AND TEXTILES; USING SOLVENTS >5T/12 MONTHS (UNLESS 6.4 B (A) (III)) Permit Number: LP3439AY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/06/2015 Effective Date: 16/06/2015 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: LP3439AY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/06/2015 Effective Date: 16/06/2015 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M WHERE CARRIED OUT WITH ACTIVITIES UNDER PART A(2) OR PART B OF OF SECTION 2.2 Permit Number: LP3439AY Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 16/06/2015 Effective Date: 16/06/2015 Last date noted as effective: 01/01/2022 Status: SUPERCEDED



ID	Location	Details	
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: COATING PRINTING AND TEXTILES; USING SOLVENTS >5T/12 MONTHS (UNLESS 6.4 B (A) (III)) Permit Number: PP3635VA Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 05/03/2014 Effective Date: 05/03/2014 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: PP3635VA Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 05/03/2014 Effective Date: 05/03/2014 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: PP3635VA Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 05/03/2014 Effective Date: 05/03/2014 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: THE AIRCRAFT FACTORY IN HAMBLE Process: INORGANIC CHEMICALS; USING HYDROGEN FLUORIDE/CHLORIDE ETC IF RELEASE TO AIR (OTHER THAN CHEMICALS MANUFACTURE ETC) Permit Number: PP3635VA Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 05/03/2014 Effective Date: 05/03/2014 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: COATING, PRINTING AND TEXTILES; USING ORGANIC SOLVENTS >150KG/HR OR 200 T/A UNLESS 6.4 A(1) Permit Number: RP3332TX Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 09/09/2010 Effective Date: 09/09/2010 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: GE AVIATION SYSTEMS LIMITED Installation Name: HAMBLE SURFACE TREATMENT Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: YP3232KS Original Permit Number: YP3232KS	EPR Reference: - Issue Date: 26/11/2009 Effective Date: 26/11/2009 Last date noted as effective: 01/01/2022 Status: SUPERCEDED



ID	Location	Details	
H	227m E	Operator: AEROSTRUCTURES HAMBLE LTD Installation Name: HAMBLE SURFACE TREATMENT Process: NON-FERROUS METALS; MELTING AND MAKING ALLOYS >4 T/DAY LEAD/CADMIUM OR 20 T/D OTHERS AND ALL FURNACES ETC 5T Permit Number: BX8092IP Original Permit Number: BX8092IP	EPR Reference: - Issue Date: 15/02/2005 Effective Date: 15/02/2005 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: AEROSTRUCTURES HAMBLE LTD Installation Name: HAMBLE SURFACE TREATMENT Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: BX8092IP Original Permit Number: BX8092IP	EPR Reference: - Issue Date: 15/02/2005 Effective Date: 15/02/2005 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
H	227m E	Operator: AEROSTRUCTURES HAMBLE LTD Installation Name: HAMBLE SURFACE TREATMENT Process: FERROUS METALS; OPERATING HAMMERS >50KJ/HAMMER Permit Number: BX8092IP Original Permit Number: BX8092IP	EPR Reference: - Issue Date: 15/02/2005 Effective Date: 15/02/2005 Last date noted as effective: 01/01/2022 Status: SUPERCEDED

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

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

Records within 500m	1
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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 27**

ID	Location	Address	Details	
H	228m E	Hamble Group, Kings Ave, Southampton, SO31 4NF	Process: Coating Processes 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
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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

6

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 27**

ID	Location	Address	Details	
F	193m W	WESSEX GROUP PLC, HAMBLE CLIFFE HOUSE, HAMBLE HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P02347 Permit Version: 1 Receiving Water: INTO LAND	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 20/09/1989 Effective Date: 20/09/1989 Revocation Date: 20/12/2012
F	193m W	WESSEX GROUP PLC, HAMBLE CLIFFE HOUSE, HAMBLE HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P02347 Permit Version: 2 Receiving Water: INTO LAND	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
8	356m W	NETLEY SAILING CLUB, ROYAL VICTORIA COUNTRY PARK, NETLEY ABBEY, SOUTHAMPTON, HAMPSHIRE, SO3 5GZ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: D01507 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 02/10/1987 Effective Date: 02/10/1987 Revocation Date: 26/02/1998
10	385m NE	MOUNT PLEASANT PLAYING FIELD, HAMBLE HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: H01080 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 05/02/1965 Effective Date: 05/02/1965 Revocation Date: 31/03/1997
11	403m W	ROYAL VICTORIA COUNTRY PARK, NETLEY, HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: D01542 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 28/09/1987 Effective Date: 28/09/1987 Revocation Date: -
12	472m W	ROYAL VICTORIA COUNTRY PARK, NETLEY, SOUTHAMPTON, HAMPSHIRE, SO31 4NA	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - NOT WATER COMPANY Permit Number: P01283 Permit Version: 1 Receiving Water: SOUTHAMPTON WATER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/09/1997 Effective Date: 30/09/1997 Revocation Date: -



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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

1

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Address	Details	
H	250m E	AEROSTRUCTURES HAMBLE LTD, KINGS AVENUE, KINGS AVENUE, HAMBLE, SOUTHAMPTON, SO3 5NF	Permission reference: AH8611 Local Authority: FAREHAM BOROUGH COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: EFFECTIVE

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

4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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



4.18 Pollution Incidents (EA/NRW)

Records within 500m

2

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

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Details	
7	254m S	Incident Date: 24/08/2001 Incident Identification: 26544 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9	370m SE	Incident Date: 25/02/2002 Incident Identification: 60365 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on **page 27**

ID: C, Location: 42m SE, Permit: NP3209BW
 Operator: Hamble Aerostructures Limited
 Activity: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M WHERE CARRIED OUT WITH ACTIVITIES UNDER PART A(2) OR PART B OF OF SECTION 2.2
 Address: The Aircraft Factory in Hamble Kings Avenue Hamble-le-Rice Hampshire SO31 4NF
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Air	Fluorine and inorganic fluorine compounds - as HF	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold

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

4.20 Pollution inventory waste transfers

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on **page 27**

ID: C, Location: 42m SE, Permit: NP3209BW
 Operator: Hamble Aerostructures Limited
 Activity: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M WHERE CARRIED OUT WITH ACTIVITIES UNDER PART A(2) OR PART B OF OF SECTION 2.2
 Address: The Aircraft Factory in Hamble Kings Avenue Hamble-le-Rice Hampshire SO31 4NF
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	0.403	Absolute Value	02 02 03	materials unsuitable for consumption or processing	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.01	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.3	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.024	Absolute Value	06 01 03	hydrofluoric acid	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.115	Absolute Value	06 01 05	nitric acid and nitrous acid	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1	Absolute Value	06 02 04	sodium and potassium hydroxide	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	12.685	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
R4	Recycling/reclamation of metals and metal compounds	0.02	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	153.02	Absolute Value	11 01 11	aqueous rinsing liquids containing dangerous substances	1
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	3.9	Absolute Value	11 01 11	aqueous rinsing liquids containing dangerous substances	1
R4	Recycling/reclamation of metals and metal compounds	21.22	Absolute Value	12 01 01	ferrous metal filings and turnings	0
R4	Recycling/reclamation of metals and metal compounds	1.736	Absolute Value	12 01 02	ferrous metal dust and particles	0
R4	Recycling/reclamation of metals and metal compounds	76.78	Absolute Value	12 01 03	non-ferrous metal filings and turnings	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	197.88	Absolute Value	13 01 05	non-chlorinated emulsions	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.025	Absolute Value	13 02 08	other engine, gear and lubricating oils	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.125	Absolute Value	13 07 03	other fuels (including mixtures)	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4025	Absolute Value	14 06 03	other solvents and solvent mixtures	1
R11	Use of wastes obtained from any of the operations numbered R1 to R10	14.7	Absolute Value	15 01 01	paper and cardboard packaging	0
R5	Recycling/reclamation of other inorganic materials	16.19	Absolute Value	15 01 06	mixed packaging	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.055	Absolute Value	16 06 04	alkaline batteries (except 16 06 03)	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.075	Absolute Value	17 06 05	construction materials containing asbestos	1
R11	Use of wastes obtained from any of the operations numbered R1 to R10	3.978	Absolute Value	20 01 01	paper and cardboard	0
R5	Recycling/reclamation of other inorganic materials	9.88	Absolute Value	20 01 01	paper and cardboard	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.35	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.5	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	0
R11	Use of wastes obtained from any of the operations numbered R1 to R10	114.96	Absolute Value	20 01 38	wood other than that mentioned in 20 01 37	0
R5	Recycling/reclamation of other inorganic materials	2.34	Absolute Value	20 01 39	plastics	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	5.14	Absolute Value	20 02 01	biodegradable waste	0
R1	Use principally as a fuel or other means to generate energy	93.94	Absolute Value	20 03 01	mixed municipal waste	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	28.26	Absolute Value	20 03 01	mixed municipal waste	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	9.89	Absolute Value	19 02 11	other wastes containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	28.5	Absolute Value	13 05 08	mixtures of wastes from grit chambers and oil/water separators	1
R9	Oil e-refining or other reuses of oil	20.82	Absolute Value	16 07 09	wastes containing other dangerous substances	1
R9	Oil e-refining or other reuses of oil	22.82	Absolute Value	11 01 06	acids not otherwise specified	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.1004	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.025	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.3305	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.0276	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.0026	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.001	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.55	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	21.08	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.6	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
D10	Incineration on Land	43.237	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.26	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.375	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.1735	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	1.35	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1

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

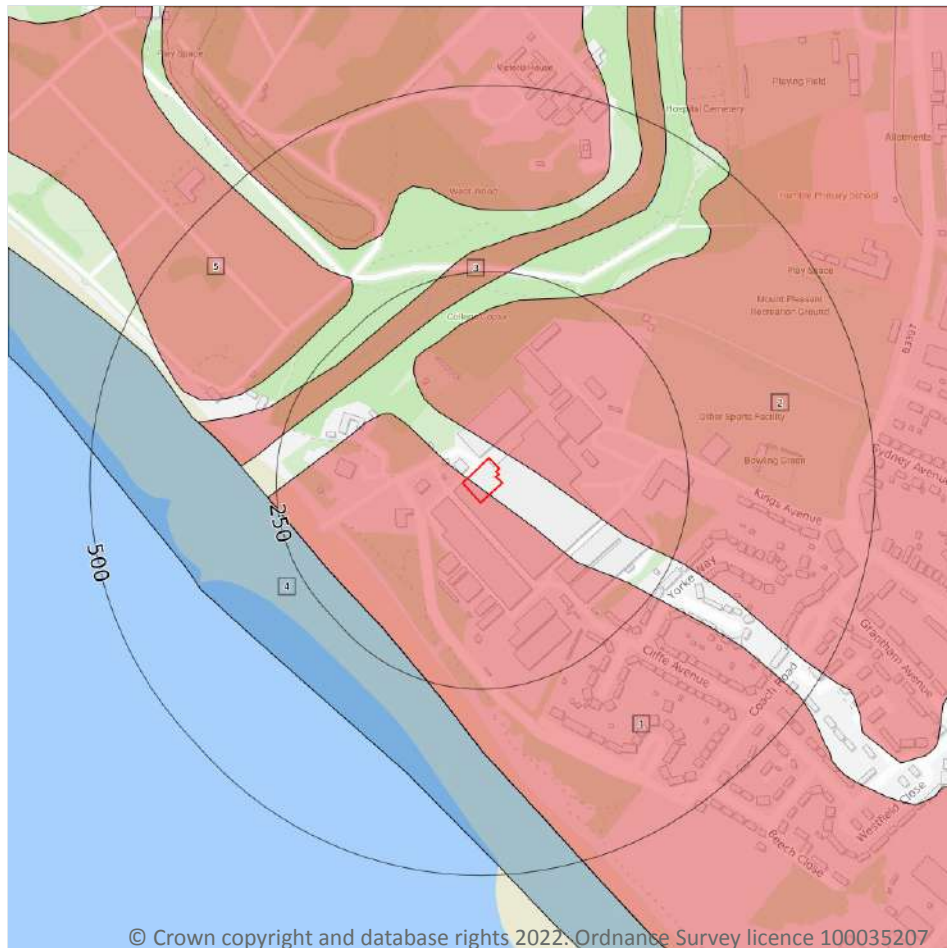
4.21 Pollution inventory radioactive waste

Records within 500m	0
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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

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 48**

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	17m NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



ID	Location	Designation	Description
3	194m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	211m SW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	281m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

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

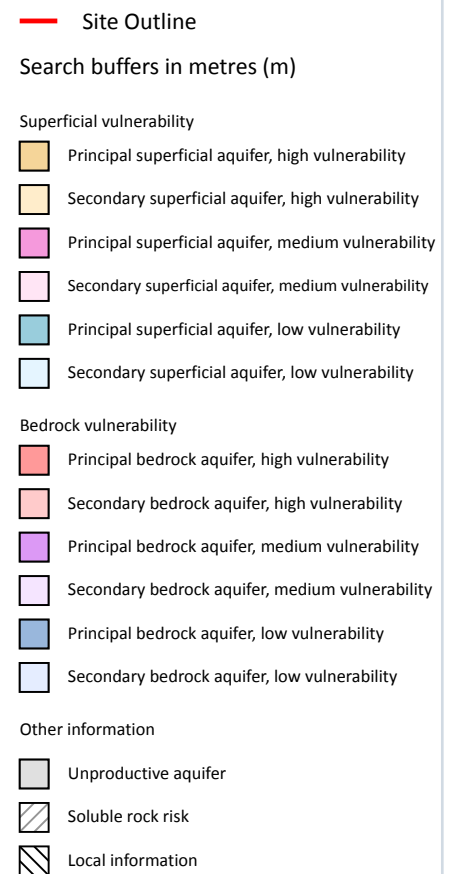
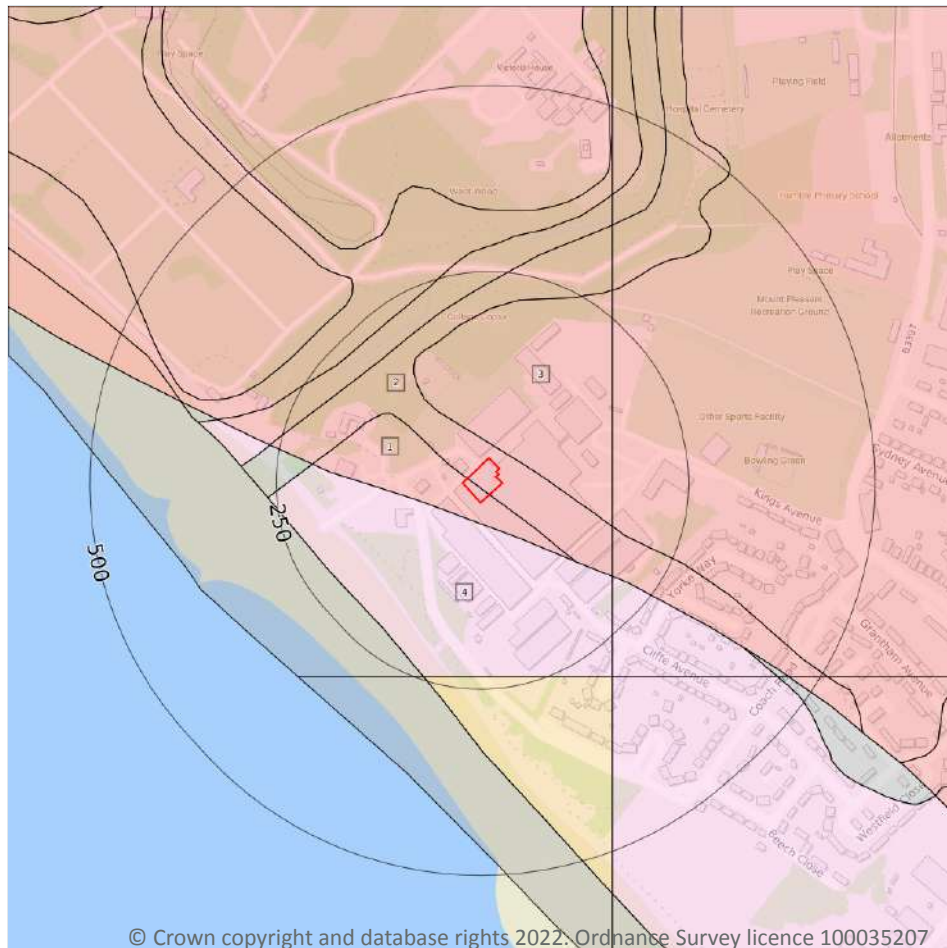
Records within 500m	2
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Features are displayed on the Bedrock aquifer map on **page 50**

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	26m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

4

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 51**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
3	17m NE	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	26m S	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive 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

0

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

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



5.5 Groundwater vulnerability- local information

Records on site

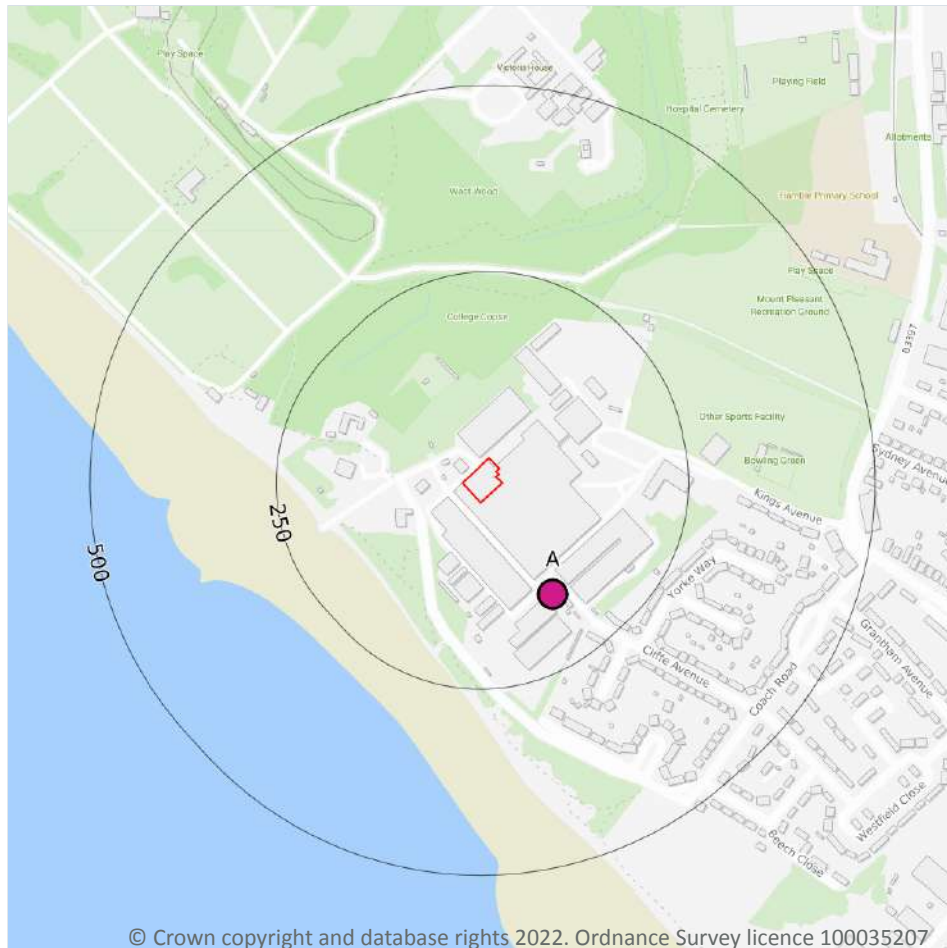
0

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

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



Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

2

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 54**

ID	Location	Details	
A	156m SE	Status: Historical Licence No: 11/42/24/1 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: HAMBLE AIRFIELD Data Type: Point Name: G E Aviation Easting: 446920 Northing: 107110	Annual Volume (m ³): 182,000 Max Daily Volume (m ³): 455 Original Application No: - Original Start Date: 23/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2016 Version End Date: -
A	156m SE	Status: Active Licence No: 11/42/24/1/1 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: HAMBLE AIRFIELD Data Type: Point Name: Hamble Aerostructures Limited Easting: 446920 Northing: 107110	Annual Volume (m ³): 182,000 Max Daily Volume (m ³): 455 Original Application No: NPS/WR/034158 Original Start Date: 01/04/2014 Expiry Date: - Issue No: 2 Version Start Date: 19/08/2020 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	0
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Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

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

5.8 Potable abstractions

Records within 2000m	0
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Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

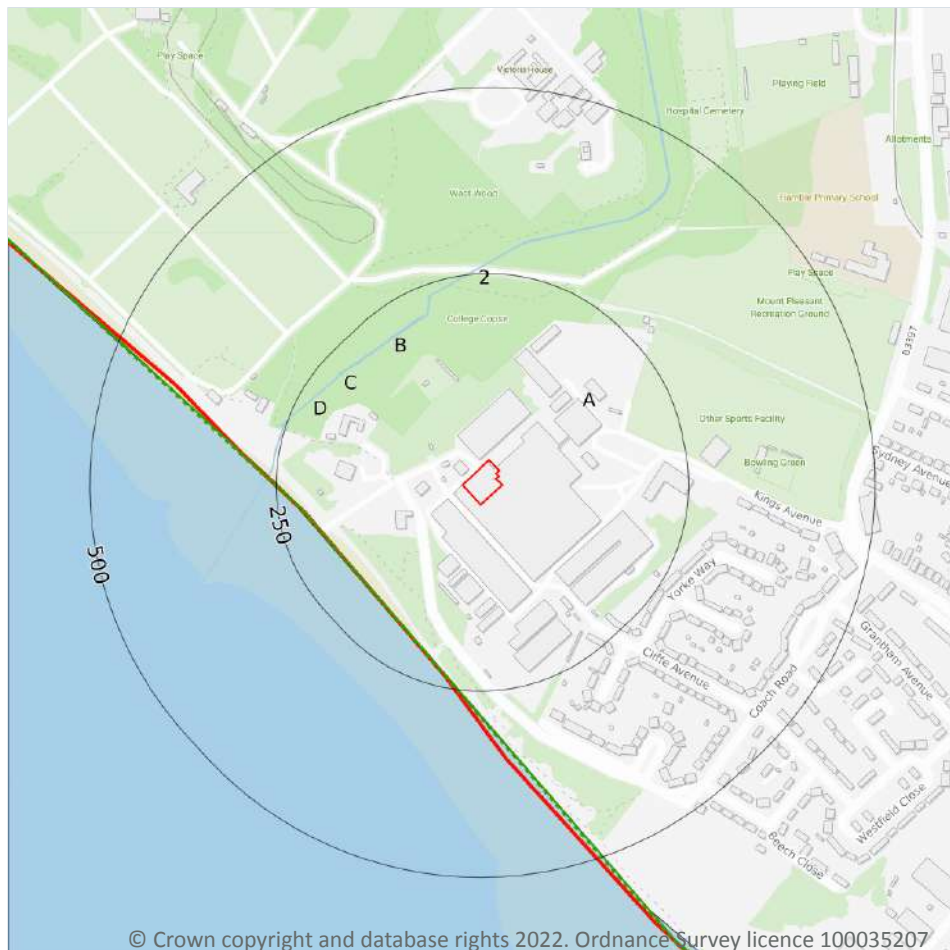
0

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

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 57**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	208m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
C	218m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	220m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	220m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	221m NW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
2	234m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	246m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

1

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 57**

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 57**



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	Coastal Catchment	Not part of a river WB catchment	60	Itchen	Test and Itchen

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

6.4 WFD Surface water bodies

Records identified	1
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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 57**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	187m SW	Transi	SOUTHAMPTON WATER	GB520704202800	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

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

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

Features are displayed on the Hydrology map on **page 57**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Central Hants Bracklesham Group	GB40702G500900	Good	Good	Good	2019

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m**0**

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

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

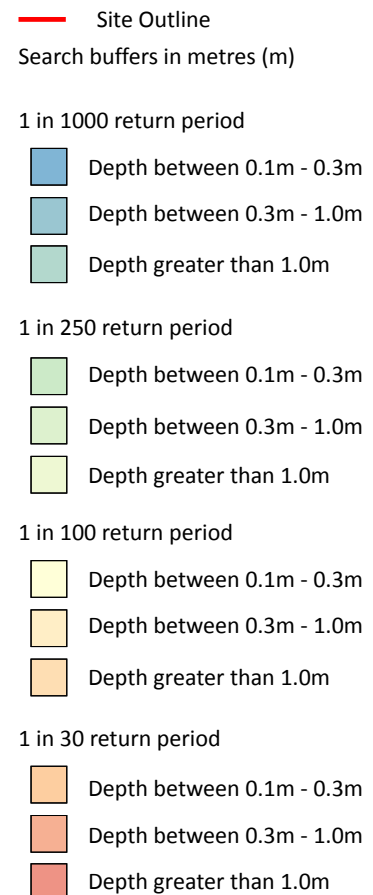
0

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



8.1 Surface water flooding

Highest risk on site

1 in 1000 year, 0.1m - 0.3m

Highest risk within 50m

1 in 1000 year, 0.1m - 0.3m

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 63**

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

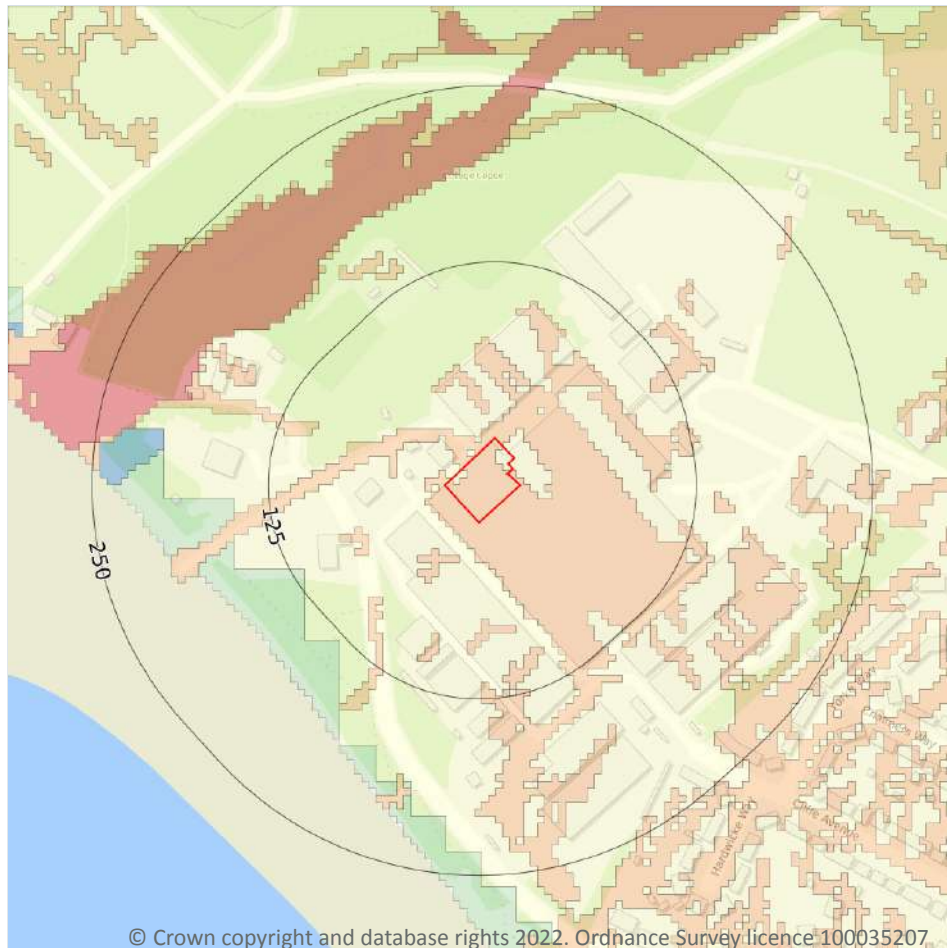
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

9.1 Groundwater flooding

Highest risk on site

Moderate-High

Highest risk within 50m

Moderate-High

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

Features are displayed on the Groundwater flooding map on **page 65**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- / Sites of Special Scientific Interest (SSSI)
- X Conserved wetland sites (Ramsar sites)
- + Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- + Local Nature Reserves (LNR)
- / Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

6

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 66**

ID	Location	Name	Data source
2	169m SW	Lee-on-the Solent to Itchen Estuary	Natural England



ID	Location	Name	Data source
7	1004m SE	Lee-on-the Solent to Itchen Estuary	Natural England
-	1596m E	Lee-on-the Solent to Itchen Estuary	Natural England
D	1684m SW	Hythe to Calshot Marshes	Natural England
-	1797m NE	Lincegrove and Hackett's Marshes	Natural England
-	1833m E	Lee-on-the Solent to Itchen Estuary	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

7

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

Features are displayed on the Environmental designations map on **page 66**

ID	Location	Site	Details
4	168m SW	Name: Solent & Southampton Water Site status: Listed Data source: Natural England	Overview: The area covered extends from Hurst Spit to Gilkicker Point along the south coast of Hampshire and along the north coast of the Isle of Wight. The site comprises of estuaries and adjacent coastal habitats including intertidal flats, saline lagoons, shingle beaches, saltmarsh, reedbeds, damp woodland, and grazing marsh. The diversity of habitats support internationally important numbers of wintering waterfowl, important breeding gull and tern populations and an important assemblage of rare invertebrates and plants. Ramsar criteria: Ramsar criterion 1 The site is one of the few major sheltered channels between a substantial island and mainland in European waters, exhibiting an unusual strong double tidal flow and has long periods of slack water at high and low tide. It includes many wetland habitats characteristic of the biogeographic region: saline lagoons, saltmarshes, estuaries, intertidal flats, shallow coastal waters, grazing marshes, reedbeds, coastal woodland and rocky boulder reefs. Ramsar criterion 2 The site supports an important assemblage of rare plants and invertebrates. At least 33 British Red Data Book invertebrates and at least eight British Red Data Book plants are represented on site.

ID	Location	Site	Details
-	1558m SE	Name: Solent & Southampton Water Site status: Listed Data source: Natural England	Overview: The area covered extends from Hurst Spit to Gilkicker Point along the south coast of Hampshire and along the north coast of the Isle of Wight. The site comprises of estuaries and adjacent coastal habitats including intertidal flats, saline lagoons, shingle beaches, saltmarsh, reedbeds, damp woodland, and grazing marsh. The diversity of habitats support internationally important numbers of wintering waterfowl, important breeding gull and tern populations and an important assemblage of rare invertebrates and plants. Ramsar criteria: Ramsar criterion 1 The site is one of the few major sheltered channels between a substantial island and mainland in European waters, exhibiting an unusual strong double tidal flow and has long periods of slack water at high and low tide. It includes many wetland habitats characteristic of the biogeographic region: saline lagoons, saltmarshes, estuaries, intertidal flats, shallow coastal waters, grazing marshes, reedbeds, coastal woodland and rocky boulder reefs. Ramsar criterion 2 The site supports an important assemblage of rare plants and invertebrates. At least 33 British Red Data Book invertebrates and at least eight British Red Data Book plants are represented on site.
-	1596m E	Name: Solent & Southampton Water Site status: Listed Data source: Natural England	Overview: The area covered extends from Hurst Spit to Gilkicker Point along the south coast of Hampshire and along the north coast of the Isle of Wight. The site comprises of estuaries and adjacent coastal habitats including intertidal flats, saline lagoons, shingle beaches, saltmarsh, reedbeds, damp woodland, and grazing marsh. The diversity of habitats support internationally important numbers of wintering waterfowl, important breeding gull and tern populations and an important assemblage of rare invertebrates and plants. Ramsar criteria: Ramsar criterion 1 The site is one of the few major sheltered channels between a substantial island and mainland in European waters, exhibiting an unusual strong double tidal flow and has long periods of slack water at high and low tide. It includes many wetland habitats characteristic of the biogeographic region: saline lagoons, saltmarshes, estuaries, intertidal flats, shallow coastal waters, grazing marshes, reedbeds, coastal woodland and rocky boulder reefs. Ramsar criterion 2 The site supports an important assemblage of rare plants and invertebrates. At least 33 British Red Data Book invertebrates and at least eight British Red Data Book plants are represented on site.



ID	Location	Site	Details
-	1600m E	Name: Solent & Southampton Water Site status: Listed Data source: Natural England	Overview: The area covered extends from Hurst Spit to Gilkicker Point along the south coast of Hampshire and along the north coast of the Isle of Wight. The site comprises of estuaries and adjacent coastal habitats including intertidal flats, saline lagoons, shingle beaches, saltmarsh, reedbeds, damp woodland, and grazing marsh. The diversity of habitats support internationally important numbers of wintering waterfowl, important breeding gull and tern populations and an important assemblage of rare invertebrates and plants. Ramsar criteria: Ramsar criterion 1 The site is one of the few major sheltered channels between a substantial island and mainland in European waters, exhibiting an unusual strong double tidal flow and has long periods of slack water at high and low tide. It includes many wetland habitats characteristic of the biogeographic region: saline lagoons, saltmarshes, estuaries, intertidal flats, shallow coastal waters, grazing marshes, reedbeds, coastal woodland and rocky boulder reefs. Ramsar criterion 2 The site supports an important assemblage of rare plants and invertebrates. At least 33 British Red Data Book invertebrates and at least eight British Red Data Book plants are represented on site.
D	1684m SW	Name: Solent & Southampton Water Site status: Listed Data source: Natural England	Overview: The area covered extends from Hurst Spit to Gilkicker Point along the south coast of Hampshire and along the north coast of the Isle of Wight. The site comprises of estuaries and adjacent coastal habitats including intertidal flats, saline lagoons, shingle beaches, saltmarsh, reedbeds, damp woodland, and grazing marsh. The diversity of habitats support internationally important numbers of wintering waterfowl, important breeding gull and tern populations and an important assemblage of rare invertebrates and plants. Ramsar criteria: Ramsar criterion 1 The site is one of the few major sheltered channels between a substantial island and mainland in European waters, exhibiting an unusual strong double tidal flow and has long periods of slack water at high and low tide. It includes many wetland habitats characteristic of the biogeographic region: saline lagoons, saltmarshes, estuaries, intertidal flats, shallow coastal waters, grazing marshes, reedbeds, coastal woodland and rocky boulder reefs. Ramsar criterion 2 The site supports an important assemblage of rare plants and invertebrates. At least 33 British Red Data Book invertebrates and at least eight British Red Data Book plants are represented on site.



ID	Location	Site	Details
-	1796m NE	Name: Solent & Southampton Water Site status: Listed Data source: Natural England	Overview: The area covered extends from Hurst Spit to Gilkicker Point along the south coast of Hampshire and along the north coast of the Isle of Wight. The site comprises of estuaries and adjacent coastal habitats including intertidal flats, saline lagoons, shingle beaches, saltmarsh, reedbeds, damp woodland, and grazing marsh. The diversity of habitats support internationally important numbers of wintering waterfowl, important breeding gull and tern populations and an important assemblage of rare invertebrates and plants. Ramsar criteria: Ramsar criterion 1 The site is one of the few major sheltered channels between a substantial island and mainland in European waters, exhibiting an unusual strong double tidal flow and has long periods of slack water at high and low tide. It includes many wetland habitats characteristic of the biogeographic region: saline lagoons, saltmarshes, estuaries, intertidal flats, shallow coastal waters, grazing marshes, reedbeds, coastal woodland and rocky boulder reefs. Ramsar criterion 2 The site supports an important assemblage of rare plants and invertebrates. At least 33 British Red Data Book invertebrates and at least eight British Red Data Book plants are represented on site.
-	1833m E	Name: Solent & Southampton Water Site status: Listed Data source: Natural England	Overview: The area covered extends from Hurst Spit to Gilkicker Point along the south coast of Hampshire and along the north coast of the Isle of Wight. The site comprises of estuaries and adjacent coastal habitats including intertidal flats, saline lagoons, shingle beaches, saltmarsh, reedbeds, damp woodland, and grazing marsh. The diversity of habitats support internationally important numbers of wintering waterfowl, important breeding gull and tern populations and an important assemblage of rare invertebrates and plants. Ramsar criteria: Ramsar criterion 1 The site is one of the few major sheltered channels between a substantial island and mainland in European waters, exhibiting an unusual strong double tidal flow and has long periods of slack water at high and low tide. It includes many wetland habitats characteristic of the biogeographic region: saline lagoons, saltmarshes, estuaries, intertidal flats, shallow coastal waters, grazing marshes, reedbeds, coastal woodland and rocky boulder reefs. Ramsar criterion 2 The site supports an important assemblage of rare plants and invertebrates. At least 33 British Red Data Book invertebrates and at least eight British Red Data Book plants are represented on site.

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



10.3 Special Areas of Conservation (SAC)

Records within 2000m

2

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 66**

ID	Location	Name	Features of interest	Habitat description	Data source
-	1559m SE	Solent Maritime	Subtidal sandbanks; Estuaries; Intertidal mudflats and sandflats; Lagoons; Annual vegetation of drift lines; Coastal shingle vegetation outside the reach of waves; Glasswort and other annuals colonising mud and sand; Cord-grass swards; Atlantic salt meadows; Shifting dunes with marram; Dune grassland; Desmoulin's whorl snail; Otter; Common seal.	Broad-leaved deciduous woodland; Shingle, Sea cliffs, Islets; Coastal sand dunes, Sand beaches, Machair; Salt marshes, Salt pastures, Salt steppes; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Marine areas, Sea inlets	Natural England
D	1684m SW	Solent Maritime	Subtidal sandbanks; Estuaries; Intertidal mudflats and sandflats; Lagoons; Annual vegetation of drift lines; Coastal shingle vegetation outside the reach of waves; Glasswort and other annuals colonising mud and sand; Cord-grass swards; Atlantic salt meadows; Shifting dunes with marram; Dune grassland; Desmoulin's whorl snail; Otter; Common seal.	Broad-leaved deciduous woodland; Shingle, Sea cliffs, Islets; Coastal sand dunes, Sand beaches, Machair; Salt marshes, Salt pastures, Salt steppes; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Marine areas, Sea inlets	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

10

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

Features are displayed on the Environmental designations map on **page 66**



ID	Location	Name	Species of interest	Habitat description	Data source
3	169m SW	Solent & Southampton Water	Eurasian teal; Ringed plover; Mediterranean gull; Sandwich tern; Roseate tern; Common tern; Little tern; Black-tailed godwit; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Shingle, Sea cliffs, Islets; Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Humid grassland, Mesophile grassland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
5	285m SW	Solent and Dorset Coast	Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Shingle, Sea cliffs, Islets; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites)	Natural England
-	1559m SE	Solent & Southampton Water	Eurasian teal; Ringed plover; Mediterranean gull; Sandwich tern; Roseate tern; Common tern; Little tern; Black-tailed godwit; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Shingle, Sea cliffs, Islets; Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Humid grassland, Mesophile grassland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
-	1596m E	Solent & Southampton Water	Eurasian teal; Ringed plover; Mediterranean gull; Sandwich tern; Roseate tern; Common tern; Little tern; Black-tailed godwit; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Shingle, Sea cliffs, Islets; Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Humid grassland, Mesophile grassland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
-	1600m E	Solent & Southampton Water	Eurasian teal; Ringed plover; Mediterranean gull; Sandwich tern; Roseate tern; Common tern; Little tern; Black-tailed godwit; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Shingle, Sea cliffs, Islets; Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Humid grassland, Mesophile grassland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England



ID	Location	Name	Species of interest	Habitat description	Data source
12	1684m SW	Solent & Southampton Water	Eurasian teal; Ringed plover; Mediterranean gull; Sandwich tern; Roseate tern; Common tern; Little tern; Black-tailed godwit; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Shingle, Sea cliffs, Islets; Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Humid grassland, Mesophile grassland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
-	1797m NE	Solent & Southampton Water	Eurasian teal; Ringed plover; Mediterranean gull; Sandwich tern; Roseate tern; Common tern; Little tern; Black-tailed godwit; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Shingle, Sea cliffs, Islets; Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Humid grassland, Mesophile grassland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
-	1799m W	Solent and Dorset Coast	Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Shingle, Sea cliffs, Islets; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites)	Natural England
-	1833m E	Solent & Southampton Water	Eurasian teal; Ringed plover; Mediterranean gull; Sandwich tern; Roseate tern; Common tern; Little tern; Black-tailed godwit; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Shingle, Sea cliffs, Islets; Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Humid grassland, Mesophile grassland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
-	1983m SW	Solent & Southampton Water	Eurasian teal; Ringed plover; Mediterranean gull; Sandwich tern; Roseate tern; Common tern; Little tern; Black-tailed godwit; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Shingle, Sea cliffs, Islets; Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Humid grassland, Mesophile grassland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England

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



10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

2

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 66**

ID	Location	Name	Data source
-	1620m E	Mercury Marshes	Natural England
-	1833m E	Hook with Warsash	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

6

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

Features are displayed on the Environmental designations map on **page 66**

ID	Location	Name	Woodland Type
1	106m N	West Wood	Ancient & Semi-Natural Woodland
6	400m NE	West Wood	Ancient Replanted Woodland
-	1472m N	Priors Hill Copse/hound Grove	Ancient & Semi-Natural Woodland
9	1550m NE	Mallards Moor	Ancient & Semi-Natural Woodland
-	1606m NE	Mallards Moor	Ancient Replanted Woodland

ID	Location	Name	Woodland Type
-	1801m NE	Mallards Moor	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0
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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
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These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0
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A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

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

10.11 Green Belt

Records within 2000m	0
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Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m**0**

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**2**

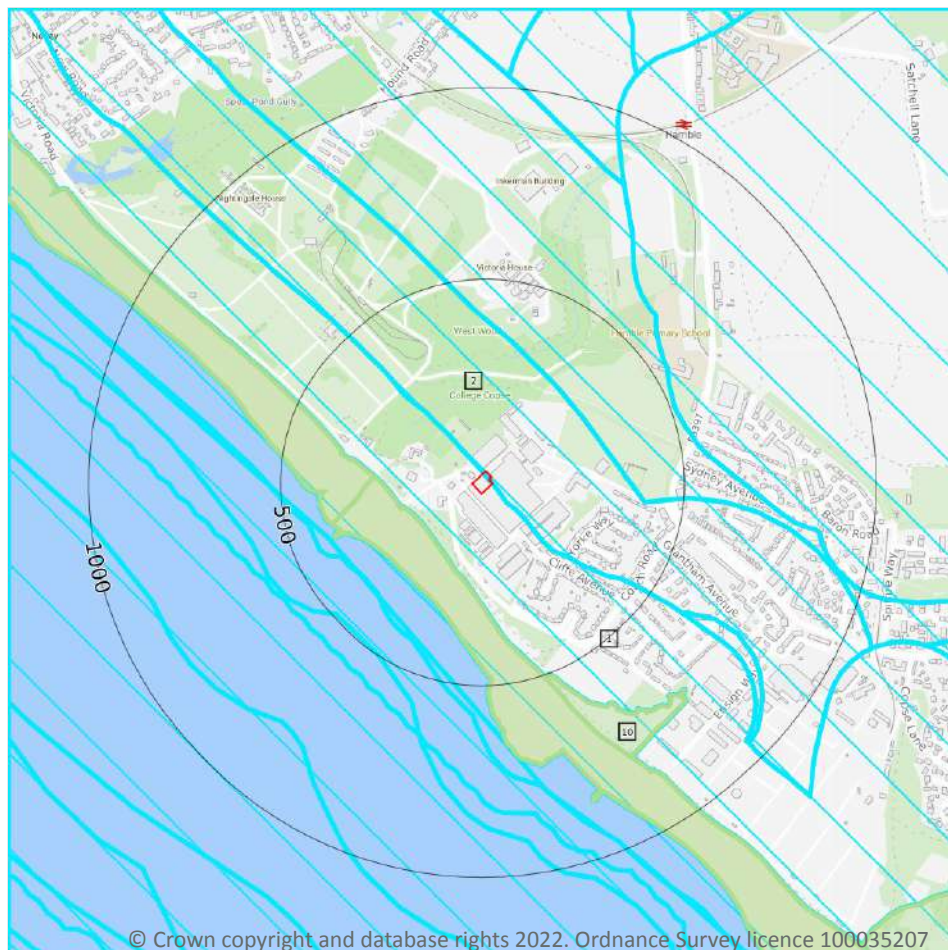
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	3	Existing
1693m SE	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	3	Existing

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

2

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 78**

ID	Location	Type of developments requiring consultation
1	On site	All applications - All planning applications - except householder applications. 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. Solent nutrient impact area. for new development with overnight accommodation reg 63 of the conservation of habitats and species regulations 2017 must be applied. lpa to refer to natural england's solent nutrient neutrality advice note june 2019.
2	On site	All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures. Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. 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. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha. Residential - Residential development of 50 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause air pollution (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores). Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management. Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply . 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. Solent nutrient impact area. for new development with overnight accommodation reg 63 of the conservation of habitats and species regulations 2017 must be applied. lpa to refer to natural england's solent nutrient neutrality advice note june 2019.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

11

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 78**

ID: 4
Location: 169m SW
SSSI name: Lee-on-the Solent to Itchen Estuary
Unit name: Hamble Foreshore
Broad habitat: Littoral Sediment
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
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-

-

ID: 5
Location: 256m W
SSSI name: Lee-on-the Solent to Itchen Estuary
Unit name: Netley Foreshore
Broad habitat: Littoral Sediment
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
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-

-

ID: 10
Location: 504m S
SSSI name: Lee-on-the Solent to Itchen Estuary
Unit name: First Asset Reedbed
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
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-

-

ID: 28
Location: 1526m SE
SSSI name: Lee-on-the Solent to Itchen Estuary
Unit name: Hamble Common
Broad habitat: Dwarf Shrub Heath - Lowland



Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
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-

-

ID: -
 Location: 1559m SE
 SSSI name: Lee-on-the Solent to Itchen Estuary
 Unit name: Hamble Common North
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Unfavourable - No change	18/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Favourable	21/02/2008
H1220 Perennial vegetation of stony banks	Favourable	21/02/2008
H1320 Spartina swards (Spartinion maritimae)	Favourable	21/02/2008
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Favourable	21/02/2008
Vascular plant assemblage	-	-

ID: -
 Location: 1596m E
 SSSI name: Lee-on-the Solent to Itchen Estuary
 Unit name: Mercury & Satchell Marshes
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Unfavourable - No change	18/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	01/10/2009
H1320 Spartina swards (Spartinion maritimae)	Favourable	21/02/2008
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Favourable	21/02/2008
Vascular plant assemblage	Not Recorded	01/01/1900

ID: 31
 Location: 1684m SW
 SSSI name: Hythe to Calshot Marshes
 Unit name: Hwt / Esso (N) Saltmarshes
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Recovering	29/11/2010
H1130 Estuaries	Favourable	18/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	29/11/2010
H1210 Annual vegetation of drift lines	Unfavourable - Recovering	29/11/2010
H1220 Perennial vegetation of stony banks	Unfavourable - Recovering	29/11/2010
H1310 <i>Salicornia</i> and other annuals colonising mud and sand	Unfavourable - Recovering	29/11/2010
H1320 <i>Spartina</i> swards (<i>Spartinion maritima</i>)	Unfavourable - Recovering	29/11/2010
H1330 Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>)	Unfavourable - Recovering	29/11/2010
SM4-28 - Saltmarsh	Unfavourable - Recovering	29/11/2010

ID: -
 Location: 1772m SW
 SSSI name: Hythe to Calshot Marshes
 Unit name: Esso (S) Saltmarshes
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Unfavourable - Recovering	29/11/2010
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Recovering	29/11/2010
H1130 Estuaries	Favourable	18/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	29/11/2010
H1210 Annual vegetation of drift lines	Unfavourable - Recovering	29/11/2010
H1220 Perennial vegetation of stony banks	Unfavourable - Recovering	29/11/2010
H1310 Salicornia and other annuals colonising mud and sand	Unfavourable - Recovering	29/11/2010
H1320 Spartina swards (<i>Spartinion maritimae</i>)	Unfavourable - Recovering	29/11/2010
H1330 Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>)	Unfavourable - Recovering	29/11/2010
SM4-28 - Saltmarsh	Unfavourable - Recovering	29/11/2010

ID: -
 Location: 1797m NE
 SSSI name: Lincegrove and Hackett's Marshes
 Unit name: Lincegrove Marsh
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Unfavourable - No change	18/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	24/09/2013
H1310 Salicornia and other annuals colonising mud and sand	Favourable	24/09/2013
H1320 Spartina swards (<i>Spartinion maritimae</i>)	Favourable	24/09/2013



Feature name	Feature condition	Date of assessment
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Favourable	24/09/2013
SM4-28 - Saltmarsh	Unfavourable - Recovering	24/09/2013

ID: -
 Location: 1833m E
 SSSI name: Lee-on-the Solent to Itchen Estuary
 Unit name: Bunny Meadows
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Unfavourable - No change	18/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	01/10/2009
H1150 Coastal lagoons	Favourable	21/02/2008
H1320 Spartina swards (Spartinion maritimae)	Favourable	21/02/2008
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Favourable	21/02/2008
Vascular plant assemblage	-	-

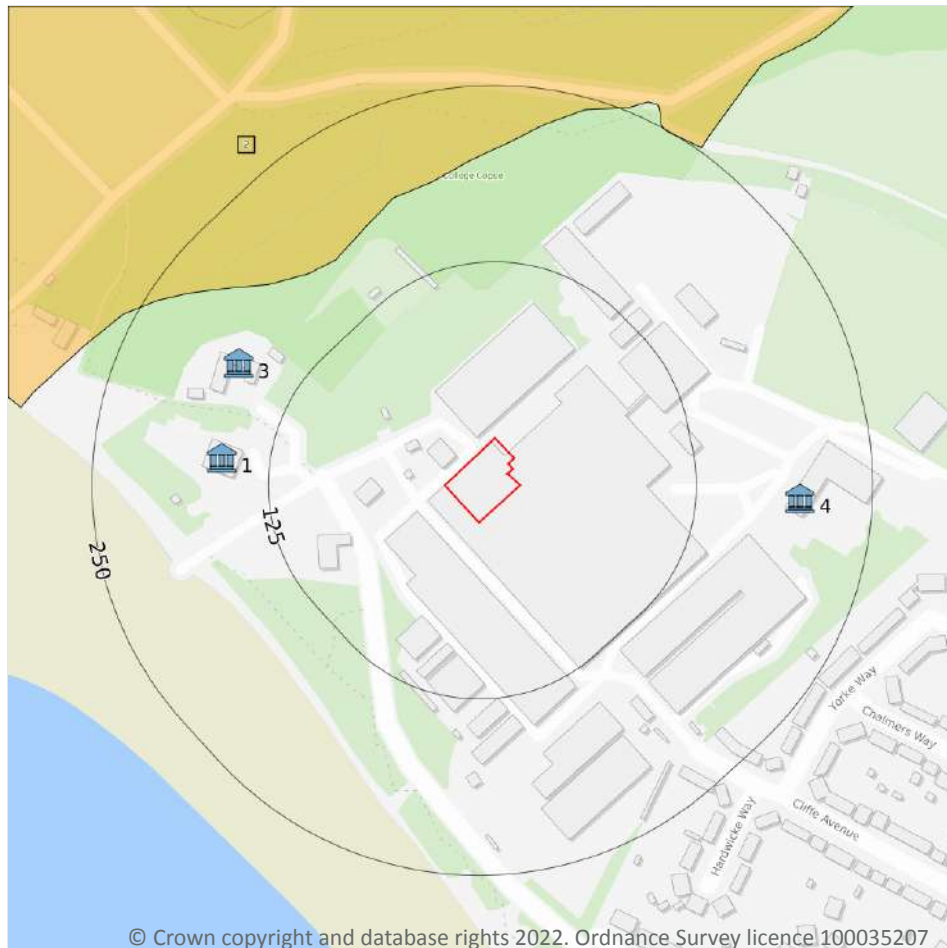
ID: -
 Location: 1933m SE
 SSSI name: Lee-on-the Solent to Itchen Estuary
 Unit name: Hamble Spit
 Broad habitat: Littoral Sediment
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Favourable	18/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Not Recorded	01/01/1900
H1320 Spartina swards (Spartinion maritimae)	Not Recorded	01/01/1900
Vascular plant assemblage	-	-

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

3

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 85**

ID	Location	Name	Grade	Reference Number	Listed date
1	159m W	Hamblecliffe House, Hamble-le-Rice, Eastleigh, Hampshire, SO31	II	1111922	14/02/1983
3	170m NW	Stable Block To Hamblecliffe House, Hamble-le-Rice, Eastleigh, Hampshire, SO31	II	1111923	14/02/1983
4	199m E	Sydney Lodge including Stable, Hamble-le-Rice, Eastleigh, Hampshire, SO31	II*	1111924	05/12/1955

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



11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on **page 85**

ID	Location	Name	Grade
2	169m NW	Royal Victoria Country Park (Formerly Royal Victoria Military Hospital)	II

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

12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

2

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	Non Agricultural	-
2	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
3	83m SW	Westfield Common	Section 4 Conclusive Registered Common Land	-
4	157m SW	Part of Westfield Common	Section 4 Conclusive Registered Common Land	-

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

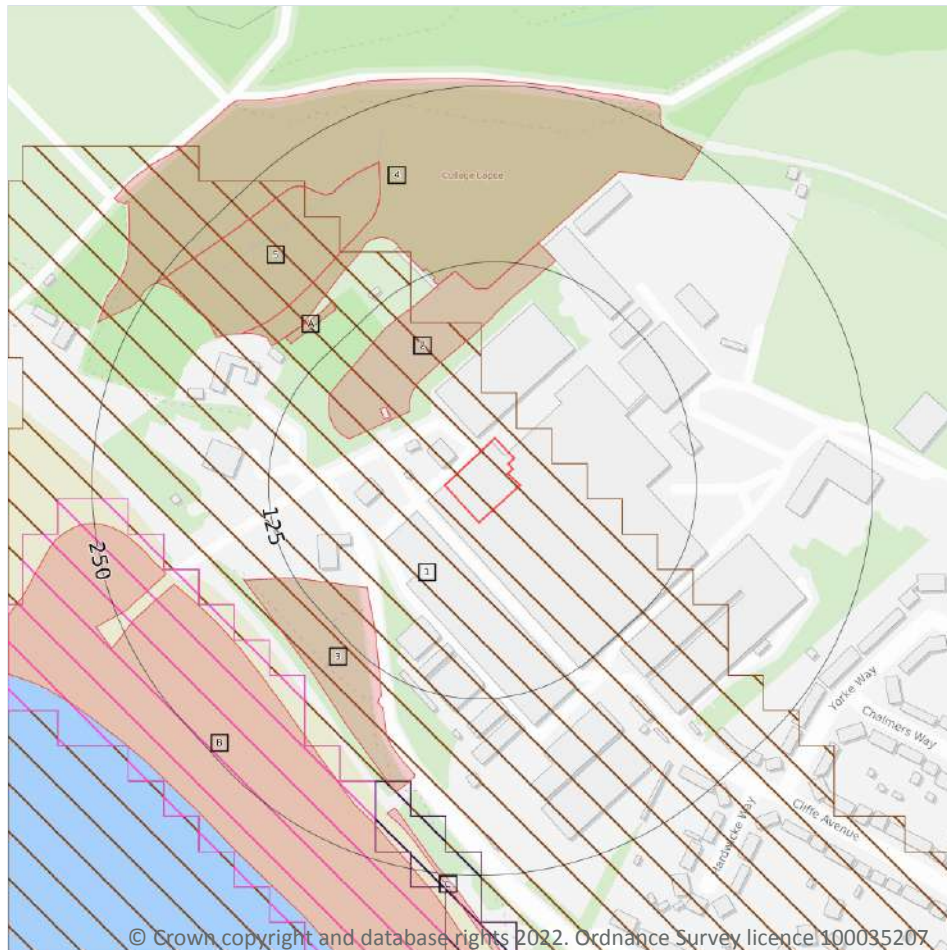
Records within 250m

0

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

This data is sourced from Natural England.

13 Habitat designations



- 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

8

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 90**

ID	Location	Main Habitat	Other habitats
2	55m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	89m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	106m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	144m NW	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset



ID	Location	Main Habitat	Other habitats
A	153m NW	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
5	168m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	186m SW	Mudflats	Main habitat: MUDFL (INV > 50%)
C	211m S	Coastal vegetated shingle	Main habitat: CVSHI (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 90**

ID	Location	Type	Habitat
1	On site	Network Enhancement Zone 2	Not specified
B	164m SW	Associated Habitats	Other associated habitats
C	189m S	Primary Habitat	Coastal vegetated shingle

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

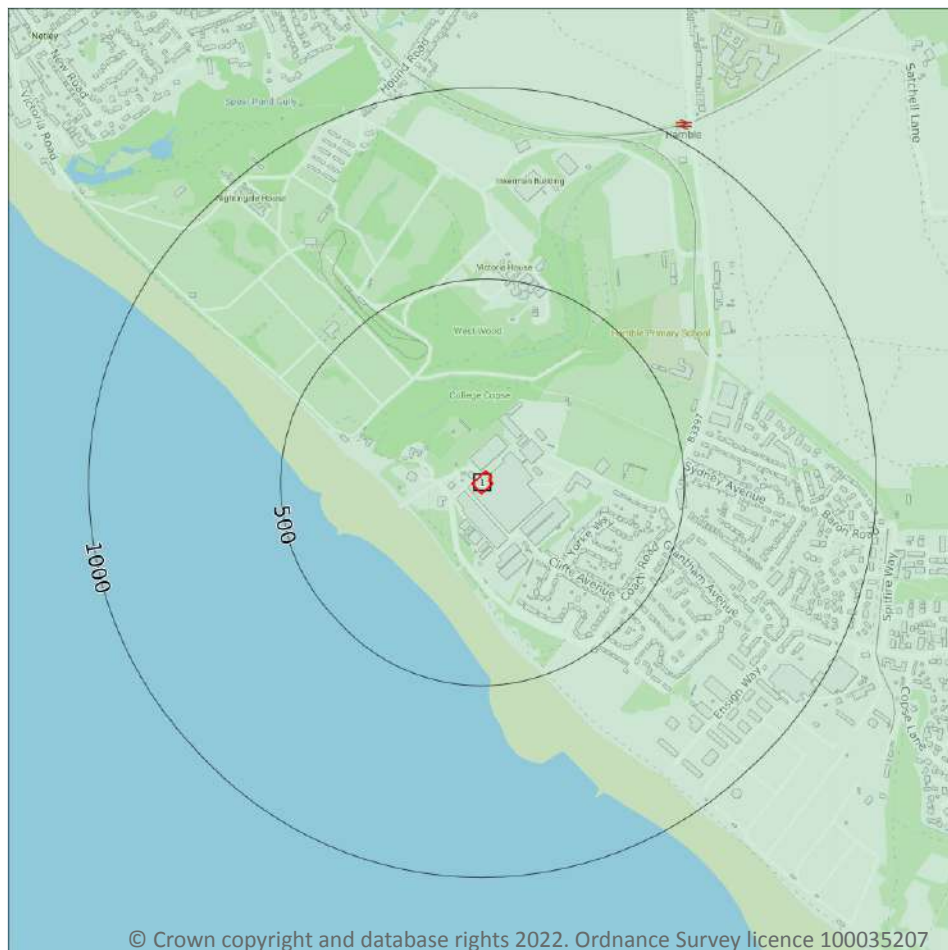


them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

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	Full	Full	Full	No coverage	SU40NE

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	RTD2-XSV	River Terrace Deposits, 2 - Sand And Gravel	Sand And Gravel
2	26m NE	RTD3-XSV	River Terrace Deposits, 3 - Sand And Gravel	Sand And Gravel
3	162m SW	TFD-XCZ	Tidal Flat Deposits - Clay And Silt	Clay And Silt
4	198m NW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel



ID	Location	LEX Code	Description	Rock description
5	265m NW	RTD2-XSV	River Terrace Deposits, 2 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

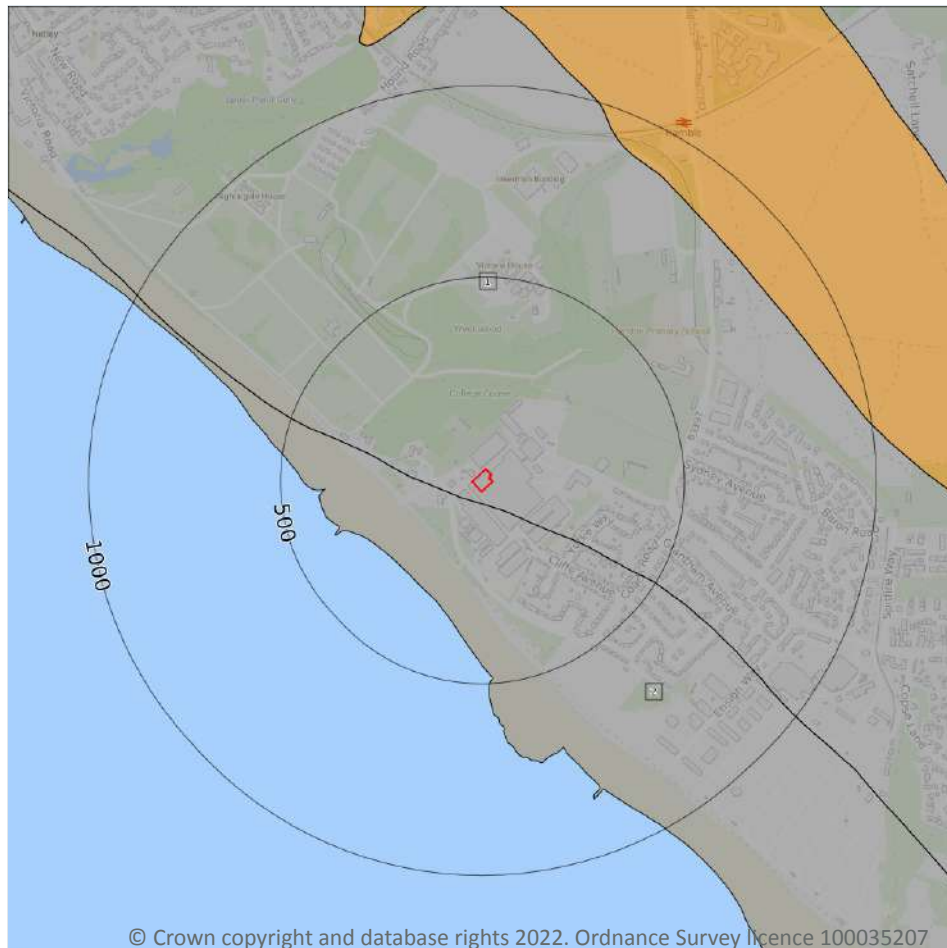
0

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

2

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

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

ID	Location	LEX Code	Description	Rock age
1	On site	SLSY-SSCL	Selsey Sand Formation - Sand, Silt And Clay	Lutetian Age
2	29m S	BAC-CLSISA	Barton Clay Formation - Clay, Silt And Sand	Bartonian Age - Lutetian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 99**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW315_southampton_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

5

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 101**

ID	Location	LEX Code	Description	Rock description
1	On site	RTD2-XSV	RIVER TERRACE DEPOSITS, 2	SAND AND GRAVEL
2	17m NE	RTD3-XSV	RIVER TERRACE DEPOSITS, 3	SAND AND GRAVEL
3	194m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
4	211m SW	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT



ID	Location	LEX Code	Description	Rock description
5	281m NW	RTD2-XSV	RIVER TERRACE DEPOSITS, 2	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

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

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Very High	High
17m NE	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

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

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

This data is sourced from the British Geological Survey.

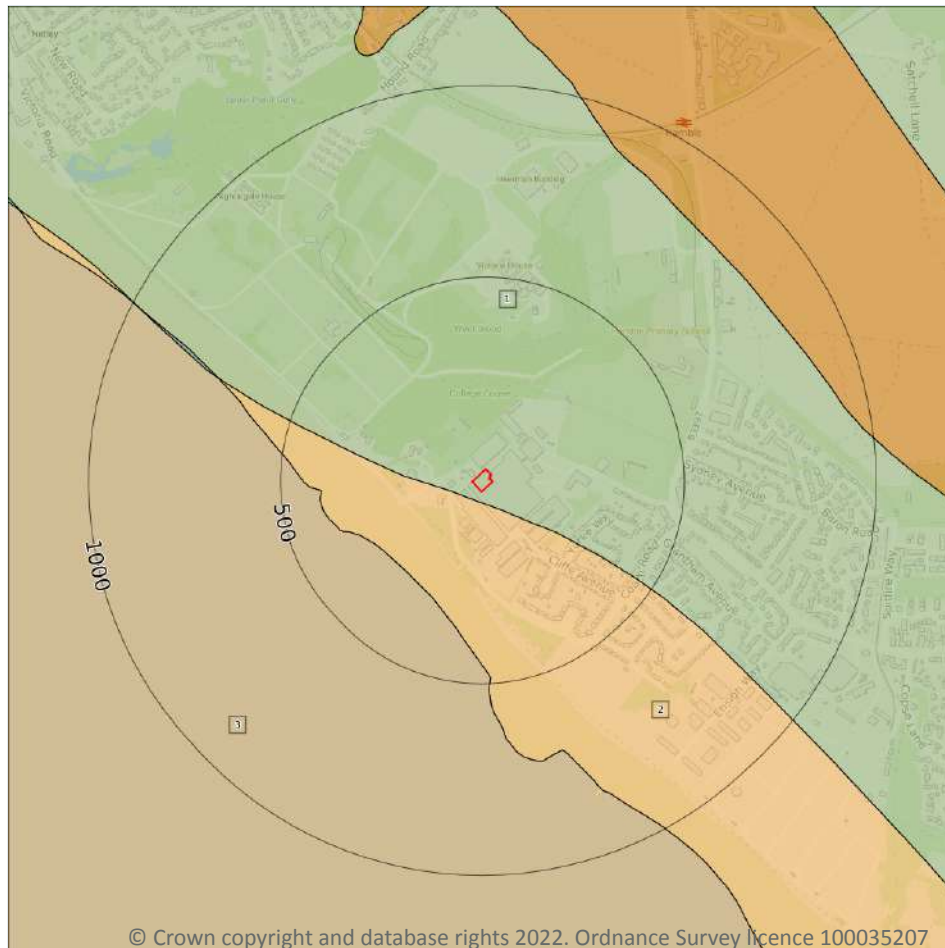
15.7 Landslip permeability (50k)

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

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m

3

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	SLSY-XSZC	SELSEY SAND FORMATION - SAND, SILT AND CLAY	LUTETIAN
2	26m S	BAC-C	BARTON CLAY FORMATION - CLAY	LUTETIAN
3	286m SW	BAC-C	BARTON CLAY FORMATION - CLAY	LUTETIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m**2**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	Low
26m SE	Fracture	Low	Very Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m**0**

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

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

4

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	187m SE	446930 107080	FOLLANDS AIRCRAFT HAMBLE	130.15	N	408365
2	208m W	446600 107200	HAMBLE PENINSULA SEWAGE DISPOSAL TP4	1.8	N	17623016
3	229m S	446740 107020	HAMBLE PENINSULA SEWAGE DISPOSAL TP8	2.9	N	17623022

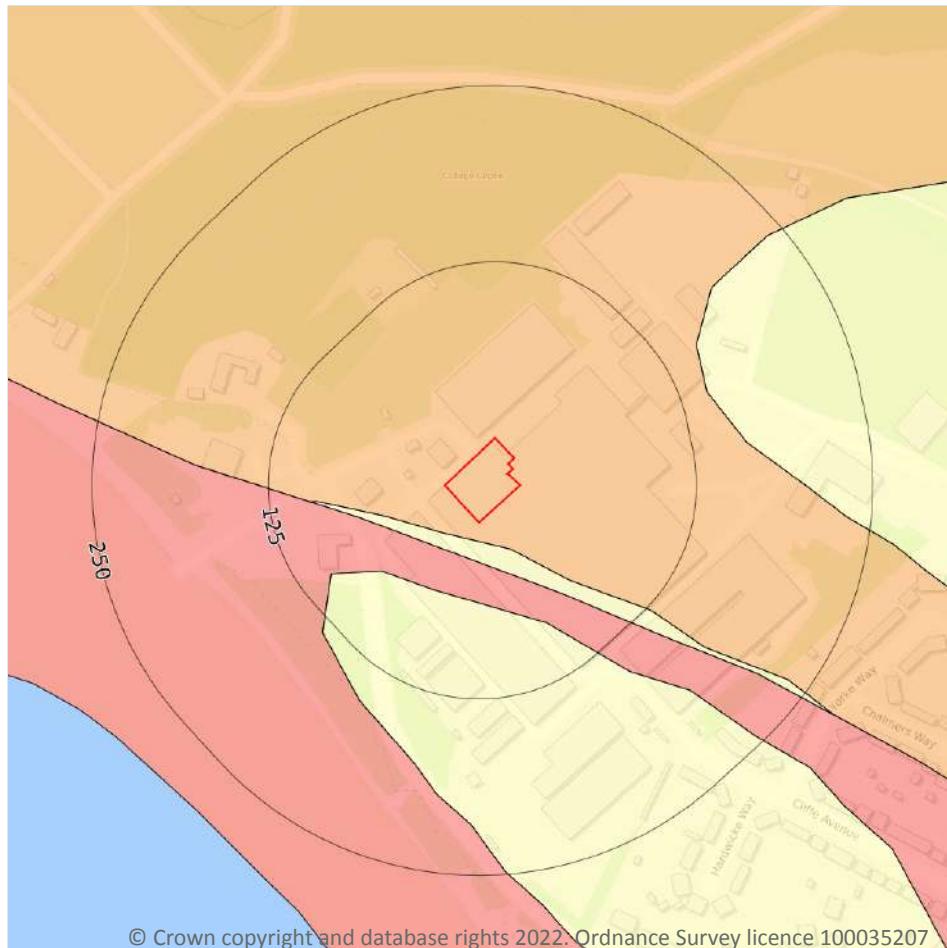


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	229m SE	446985 107070	HYDROGEOLOGY NO.315/127	130.14	N	408278

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

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17.1 Shrink swell clays

Records within 50m

3

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).

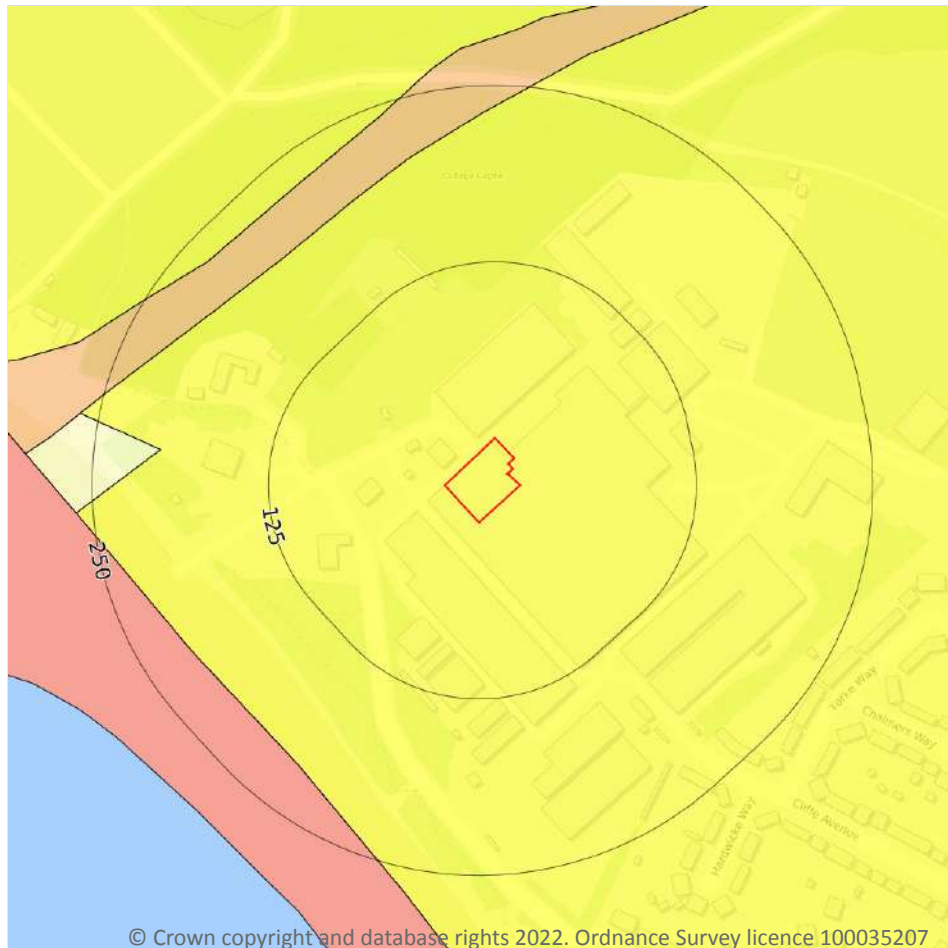
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 107**

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.
13m S	Negligible	Ground conditions predominantly non-plastic.
26m S	Moderate	Ground conditions predominantly high 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

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17.2 Running sands

Records within 50m

1

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.

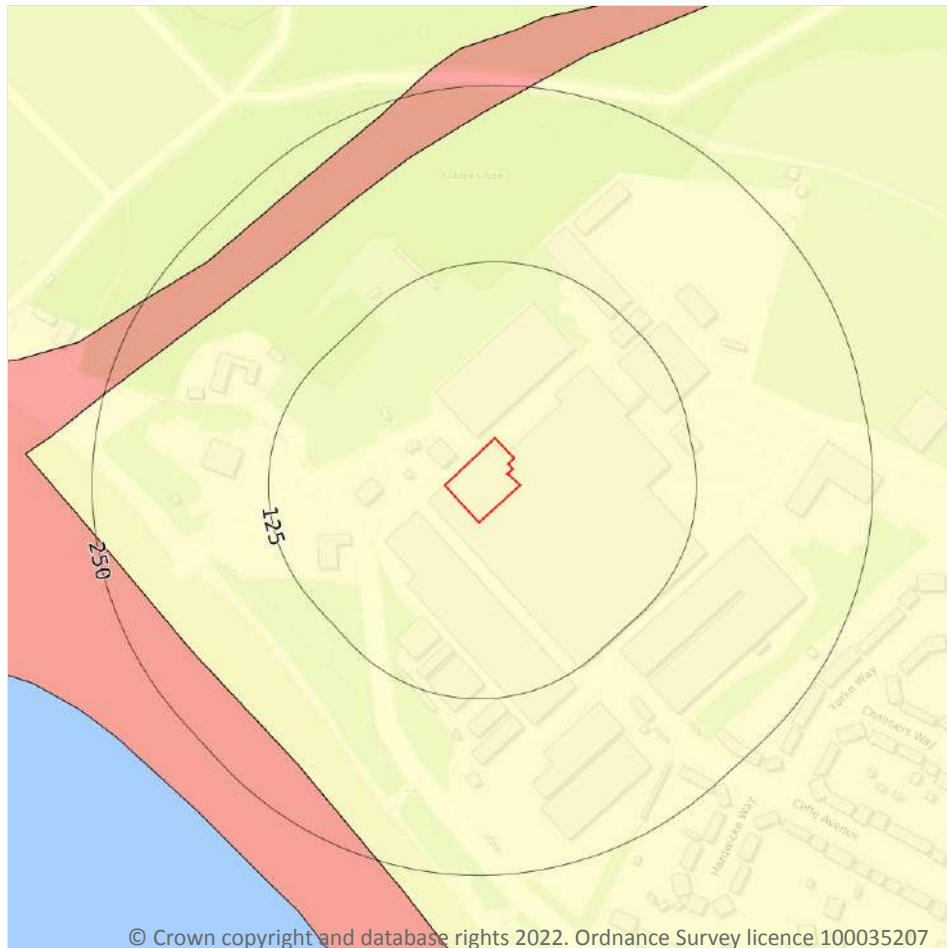
Features are displayed on the Natural ground subsidence - Running sands map on **page 109**

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.

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

1

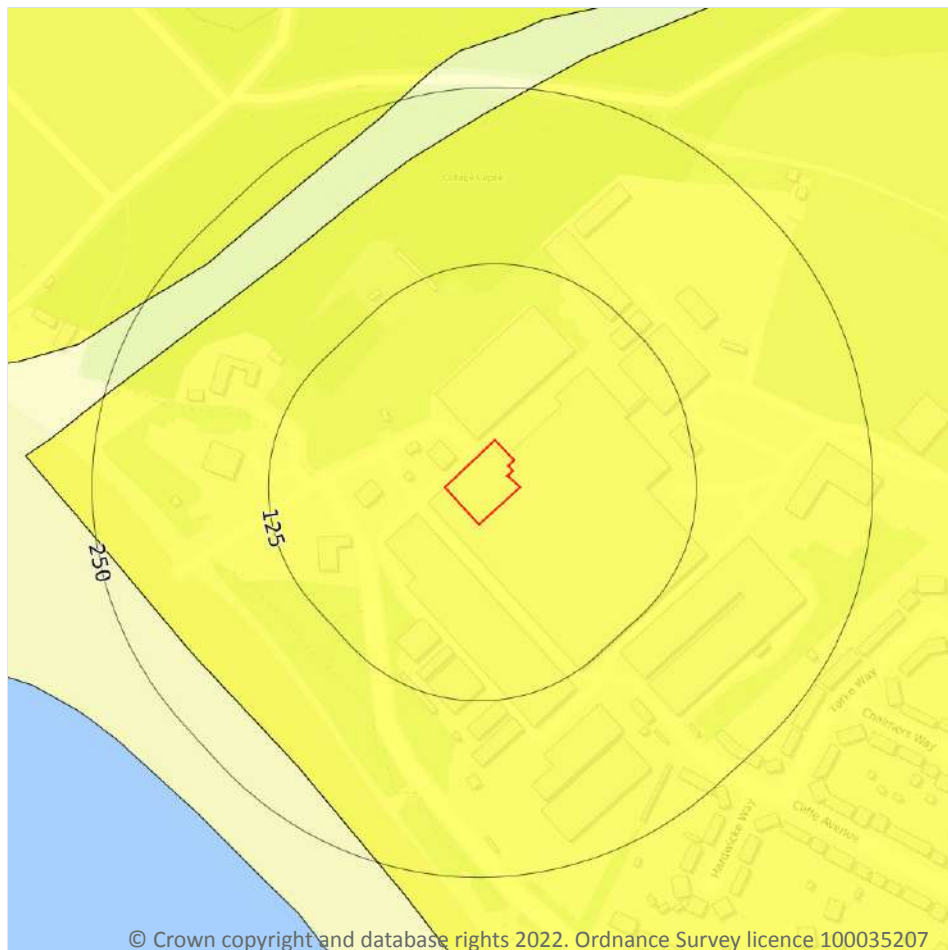
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

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.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



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

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17.4 Collapsible deposits

Records within 50m

1

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.

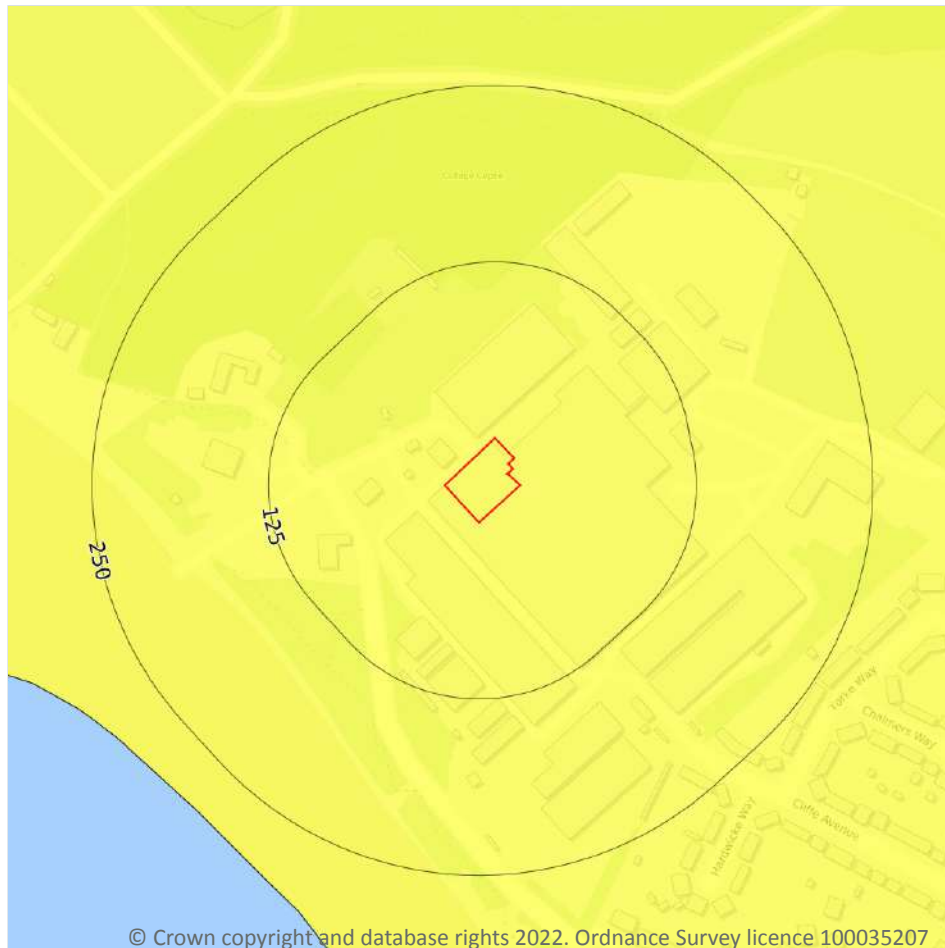
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 111**

Location	Hazard rating	Details
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

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17.5 Landslides

Records within 50m

1

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

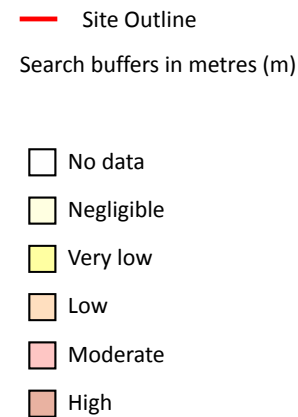
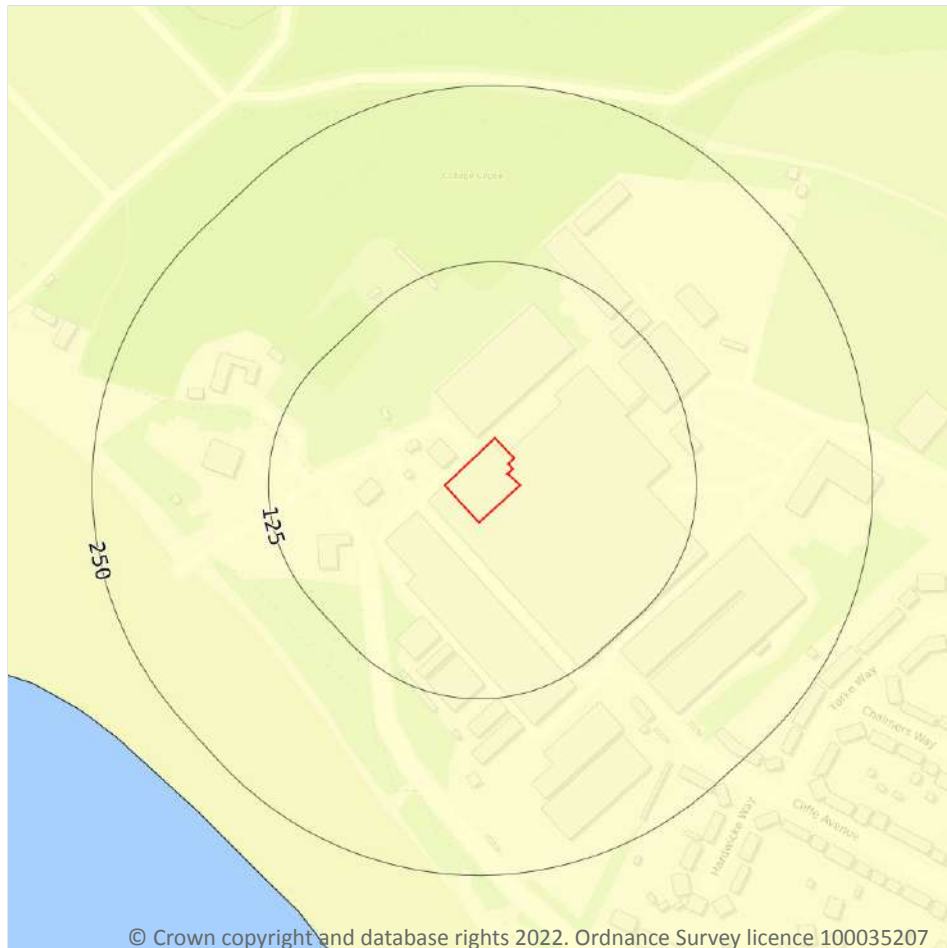
Features are displayed on the Natural ground subsidence - Landslides map on **page 112**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 113**

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

This data is sourced from the British Geological Survey.



18 Mining, 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 Stantec UK Ltd.

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**2**

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 115**

ID	Location	Land Use	Year of mapping	Mapping scale
1	211m NW	Pond	1896	1:10560
2	215m E	Unspecified Pit	1859	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m**0**

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

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m**1**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 115**



ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
3	263m NE	Hamble	Sand and gravel	Surface mineral working	Valid	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

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).

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site

0

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

This data is sourced from the Coal Authority.



18.10 Brine areas

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

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

18.11 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
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

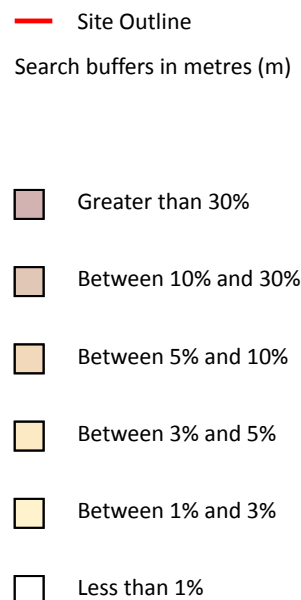
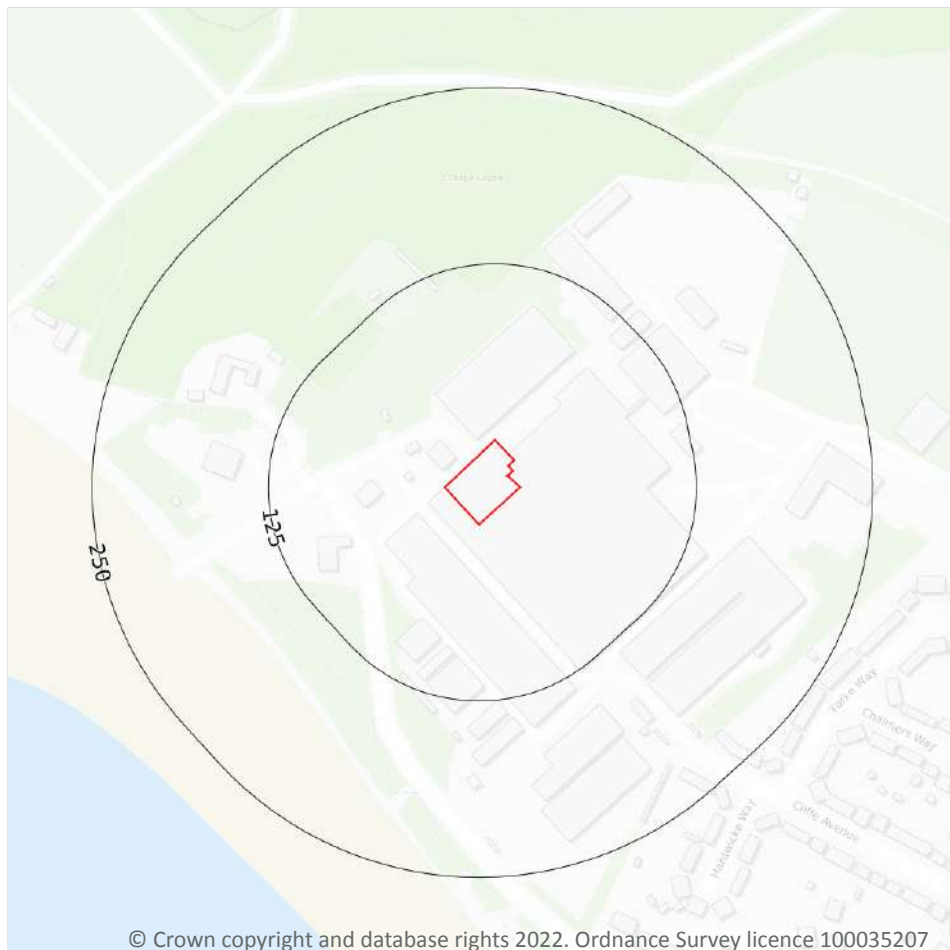
18.13 Clay mining

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

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

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

19 Radon



19.1 Radon

Records on site

1

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

Features are displayed on the Radon map on **page 119**

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

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



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

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 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
17m NE	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
26m S	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

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 km²).

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 km².

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

0

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

This data is sourced from Ordnance Survey/Groundsure.

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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