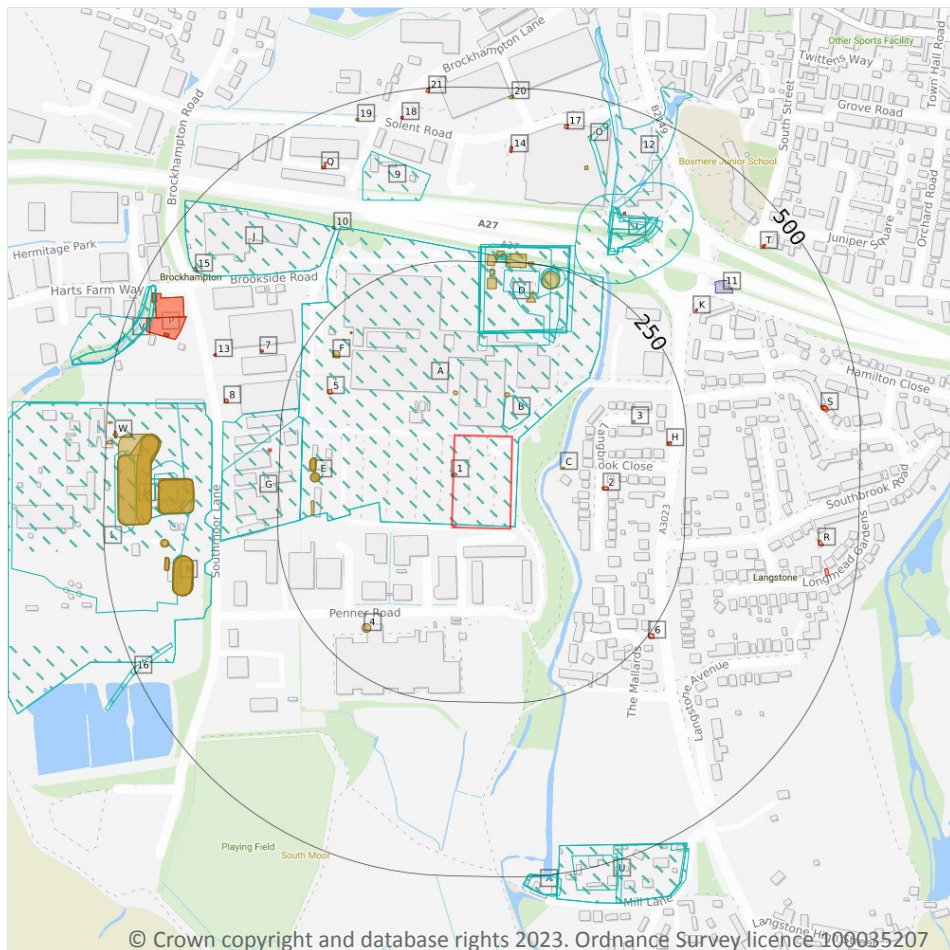


1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

61

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Commercial/Industrial	1991	1917354



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Works	1973	1927953
B	11m NE	Unspecified Heap	1991	1925372
B	11m NE	Unspecified Heap	1973	1929113
D	129m N	Sewage Works	1907 - 1914	1921321
D	146m N	Sewage Works	1931	1942128
D	146m N	Sewage Works	1942	1956073
D	147m NE	Unspecified Ground Workings	1973	1853352
D	148m N	Unspecified Works	1963	1911144
D	150m N	Sewage Works	1932	1951118
D	150m N	Sewage Works	1931	1908119
E	188m W	Unspecified Tank	1991	1859176
D	208m N	Filter Beds	1907	1865153
G	218m W	Unspecified Works	1973	1911166
G	218m W	Unspecified Commercial/Industrial	1991	1947173
D	218m N	Unspecified Tank	1963	1901336
D	219m N	Unspecified Tank	1931	1897815
D	219m N	Unspecified Tank	1942	1960563
D	222m N	Unspecified Tank	1932	1907305
D	229m N	Engine House	1914	1859440
D	250m N	Engine House	1931	1938487
D	250m N	Engine House	1942	1939713
D	250m N	Engine House	1907	1953374
D	254m N	Engine House	1931	1908129
D	254m N	Engine House	1932	1947186
I	255m NE	Unspecified Mill	1932	1887863
I	294m NE	Unspecified Mill	1931	1901720
I	295m NE	Unspecified Mill	1914 - 1931	1967660
I	301m NE	Unspecified Mill	1907	1893882



ID	Location	Land use	Dates present	Group ID
I	304m NE	Unspecified Mill	1896 - 1898	1948407
J	310m NW	Unspecified Works	1991	1887145
J	310m NW	Unspecified Works	1973	1940819
I	323m NE	Unspecified Mill	1963	1888105
I	324m NE	Corn Mill	1866	1861879
9	341m N	Unspecified Depot	1963	1862225
L	343m W	Sewage Works	1973	1885474
L	343m W	Sewage Works	1991	1950203
12	360m NE	Water Works	1866	1875244
M	371m W	Unspecified Tanks	1973	1939475
M	371m W	Unspecified Tanks	1991	1967299
M	373m W	Unspecified Works	1963	1860761
N	376m W	Unspecified Tanks	1973	1909385
N	376m W	Unspecified Tanks	1991	1948461
M	381m W	Unspecified Heap	1963	1870079
O	383m NE	Watercress Beds	1931	1875302
M	394m W	Unspecified Tanks	1963	1910561
16	437m SW	Watercress Bed	1931	1865621
M	455m W	Unspecified Tanks	1963	1963010
U	460m S	Unspecified Disused Mill	1942	1942497
U	460m S	Unspecified Disused Mill	1931	1960421
V	465m NW	Mill Pond	1898	1931557
V	465m NW	Mill Pond	1895	1922955
V	465m NW	Mill Pond	1907 - 1931	1924719
V	468m NW	Old Mill Pond	1931 - 1938	1918827
U	478m S	Unspecified Disused Mill	1931	1923757
U	478m S	Unspecified Mill	1907	1948401
U	481m S	Unspecified Mill	1896	1890408



ID	Location	Land use	Dates present	Group ID
X	497m S	Unspecified Disused Mill	1932	1872782
X	497m S	Unspecified Mill	1914	1940305
X	497m S	Unspecified Mill	1896	1966807
X	500m S	Unspecified Mill	1898	1929378

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	45
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
B	57m N	Unspecified Tank	1987 - 1997	324969
A	58m N	Unspecified Tank	1987 - 1997	313192
C	73m E	Unspecified Tank	1984	322362
C	74m E	Unspecified Tank	1987	312698
C	74m E	Unspecified Tank	1987	319693
C	75m E	Unspecified Tank	1972	324244
C	75m E	Unspecified Tank	1973	315661
3	175m E	Unspecified Tank	1909	308530
4	184m SW	Unspecified Tank	1996	308527
E	192m W	Unspecified Tank	1989	321422
E	192m W	Unspecified Tank	1987 - 1997	327109
D	194m N	Tanks	1952 - 1968	314006
E	197m W	Tanks	1997	319112
E	198m W	Tanks	1989	321418



ID	Location	Land use	Dates present	Group ID
E	198m W	Tanks	1987	319616
E	198m W	Tanks	1989 - 1997	321630
F	200m NW	Unspecified Tank	1989 - 1997	323982
F	207m NW	Unspecified Tank	1989	317872
F	208m NW	Unspecified Tank	1997	324138
D	212m N	Tanks	1952 - 1968	313237
D	219m N	Unspecified Tank	1952 - 1968	320429
D	230m N	Tanks	1952 - 1968	319049
D	243m N	Tanks	1952	311398
D	245m N	Tanks	1952	311397
D	247m N	Unspecified Tank	1952	308529
D	258m N	Tanks	1952	311396
M	371m W	Tanks	1972 - 1987	313636
M	371m W	Tanks	1968	328176
M	372m W	Tanks	1993	320471
N	375m W	Tanks	1972	326499
N	376m W	Tanks	1993	326580
N	376m W	Tanks	1987	328069
O	398m N	Unspecified Tank	1973 - 1989	317697
N	407m W	Unspecified Tank	1968 - 1993	323438
N	408m W	Unspecified Tank	1987	328280
N	408m W	Tanks	1972 - 1987	318564
N	409m W	Tanks	1993	313594
M	421m W	Tanks	1993	326482
M	422m W	Tanks	1972	313321
M	424m W	Tanks	1968 - 1987	323003
19	472m N	Unspecified Tank	1952	308642
W	484m W	Tanks	1968	311359



ID	Location	Land use	Dates present	Group ID
20	485m N	Unspecified Tank	1997	308640
W	491m W	Tanks	1968	311358
W	492m W	Unspecified Tank	1968	308217

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

35

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Electricity Substation	1972 - 1984	205678
2	131m E	Electricity Substation	1968 - 1996	211190
5	185m NW	Electricity Substation	1987 - 1997	209837
H	223m E	Electricity Substation	1984	202975
H	225m E	Electricity Substation	1972 - 1996	209691
6	249m SE	Electricity Substation	1968 - 1993	203035
G	262m W	Electricity Substation	1989 - 1997	209133
7	299m NW	Electricity Substation	1987 - 1997	198609
K	318m NE	Gas Governor	1986	208277
K	320m NE	Gas Governor	1993 - 1996	196841
8	328m W	Electricity Substation	1972 - 1993	211875
10	343m NW	Gas Governor	1989 - 1997	196978
I	356m NE	Electricity Substation	1993 - 1996	199980
13	360m NW	Electricity Substation	1987 - 1993	208221
14	408m N	Electricity Substation	1969 - 1989	195299



ID	Location	Land use	Dates present	Group ID
P	421m NW	Electricity Substation	1968	193284
P	421m NW	Electricity Substation	1972	193757
P	424m NW	Electricity Substation	1972	192385
P	424m NW	Electricity Substation	1968	194225
Q	425m NW	Electricity Substation	1969 - 1989	205956
Q	429m NW	Electricity Substation	1997	191138
P	435m NW	Electricity Substation	1993	192276
P	435m NW	Electricity Substation	1987	194273
15	437m NW	Electricity Substation	1987 - 1993	196734
R	442m E	Electricity Substation	1968 - 1993	198174
S	445m E	Electricity Substation	1968 - 1996	200845
S	446m E	Electricity Substation	1968 - 1972	203011
17	449m N	Electricity Substation	1973 - 1989	196811
T	450m NE	Electricity Substation	1984	210390
T	451m NE	Electricity Substation	1968 - 1996	212310
R	455m E	Electricity Substation	1968	191130
18	460m N	Electricity Substation	1969 - 1997	199609
P	469m NW	Electricity Substation	1993	194497
P	469m NW	Electricity Substation	1987	193343
21	494m N	Electricity Substation	1969 - 1997	194915

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

1

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

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

ID	Location	Land use	Dates present	Group ID
11	357m NE	Garage	1959	60938

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

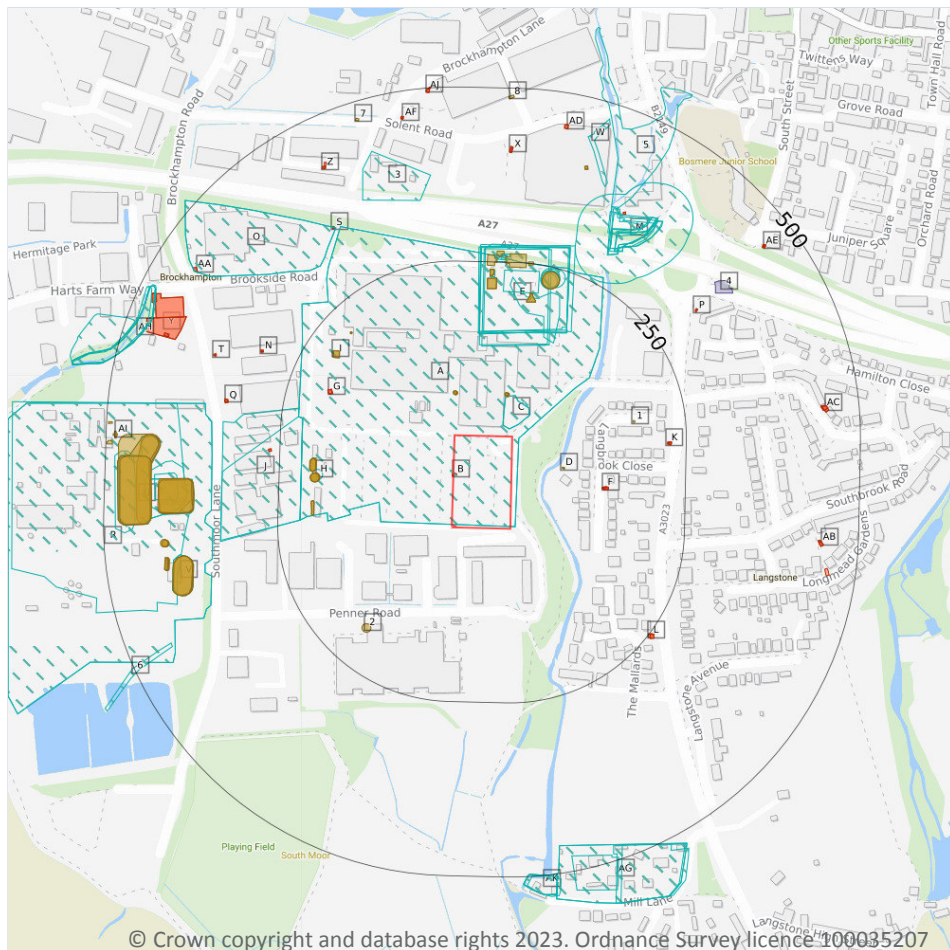
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

68

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

Features are displayed on the Past land use - un-grouped map on [page 23](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Commercial/Industrial	1991	1917354
A	On site	Unspecified Works	1973	1927953
C	11m NE	Unspecified Heap	1991	1925372



ID	Location	Land Use	Date	Group ID
C	11m NE	Unspecified Heap	1973	1929113
E	129m N	Sewage Works	1914	1921321
E	131m N	Sewage Works	1907	1921321
E	146m N	Sewage Works	1942	1956073
E	146m N	Sewage Works	1931	1942128
E	147m NE	Unspecified Ground Workings	1973	1853352
E	148m N	Unspecified Works	1963	1911144
E	150m N	Sewage Works	1932	1951118
E	150m N	Sewage Works	1931	1908119
H	188m W	Unspecified Tank	1991	1859176
E	208m N	Filter Beds	1907	1865153
J	218m W	Unspecified Commercial/Industrial	1991	1947173
J	218m W	Unspecified Works	1973	1911166
E	218m N	Unspecified Tank	1963	1901336
E	219m N	Unspecified Tank	1942	1960563
E	219m N	Unspecified Tank	1931	1897815
E	221m N	Unspecified Tank	1931	1897815
E	222m N	Unspecified Tank	1932	1907305
E	229m N	Engine House	1914	1859440
E	250m N	Engine House	1942	1939713
E	250m N	Engine House	1931	1938487
E	250m N	Engine House	1907	1953374
E	254m N	Engine House	1931	1908129
E	254m N	Engine House	1932	1947186
M	255m NE	Unspecified Mill	1932	1887863
M	294m NE	Unspecified Mill	1931	1901720
M	295m NE	Unspecified Mill	1931	1967660
M	301m NE	Unspecified Mill	1907	1893882



ID	Location	Land Use	Date	Group ID
M	304m NE	Unspecified Mill	1896	1948407
M	305m NE	Unspecified Mill	1898	1948407
M	305m NE	Unspecified Mill	1914	1967660
M	305m NE	Unspecified Mill	1896	1948407
O	310m NW	Unspecified Works	1991	1887145
O	310m NW	Unspecified Works	1973	1940819
M	323m NE	Unspecified Mill	1963	1888105
M	324m NE	Corn Mill	1866	1861879
3	341m N	Unspecified Depot	1963	1862225
R	343m W	Sewage Works	1991	1950203
R	343m W	Sewage Works	1973	1885474
5	360m NE	Water Works	1866	1875244
U	371m W	Unspecified Tanks	1991	1967299
U	371m W	Unspecified Tanks	1973	1939475
U	373m W	Unspecified Works	1963	1860761
V	376m W	Unspecified Tanks	1991	1948461
V	376m W	Unspecified Tanks	1973	1909385
U	381m W	Unspecified Heap	1963	1870079
W	383m NE	Watercress Beds	1931	1875302
U	394m W	Unspecified Tanks	1963	1910561
6	437m SW	Watercress Bed	1931	1865621
U	455m W	Unspecified Tanks	1963	1963010
AG	460m S	Unspecified Disused Mill	1942	1942497
AG	460m S	Unspecified Disused Mill	1931	1960421
AH	465m NW	Mill Pond	1898	1931557
AH	465m NW	Mill Pond	1931	1924719
AH	465m NW	Mill Pond	1895	1922955
AH	465m NW	Mill Pond	1907	1924719



ID	Location	Land Use	Date	Group ID
AH	468m NW	Old Mill Pond	1931	1918827
AG	478m S	Unspecified Disused Mill	1931	1923757
AG	478m S	Unspecified Mill	1907	1948401
AG	481m S	Unspecified Mill	1896	1890408
AH	487m NW	Old Mill Pond	1938	1918827
AK	497m S	Unspecified Mill	1914	1940305
AK	497m S	Unspecified Disused Mill	1932	1872782
AK	497m S	Unspecified Mill	1896	1966807
AK	500m S	Unspecified Mill	1898	1929378

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

66

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

Features are displayed on the Past land use - un-grouped map on [page 23 >](#)

ID	Location	Land Use	Date	Group ID
C	57m N	Unspecified Tank	1997	324969
C	57m N	Unspecified Tank	1989	324969
A	58m N	Unspecified Tank	1997	313192
C	58m N	Unspecified Tank	1987	324969
C	58m N	Unspecified Tank	1987	324969
A	58m N	Unspecified Tank	1989	313192
A	59m N	Unspecified Tank	1987	313192
A	59m N	Unspecified Tank	1987	313192
D	73m E	Unspecified Tank	1984	322362
D	74m E	Unspecified Tank	1987	319693
D	74m E	Unspecified Tank	1987	312698



ID	Location	Land Use	Date	Group ID
D	75m E	Unspecified Tank	1972	324244
D	75m E	Unspecified Tank	1973	315661
1	175m E	Unspecified Tank	1909	308530
2	184m SW	Unspecified Tank	1996	308527
H	192m W	Unspecified Tank	1989	321422
H	192m W	Unspecified Tank	1997	327109
H	192m W	Unspecified Tank	1987	327109
H	192m W	Unspecified Tank	1987	327109
E	194m N	Tanks	1968	314006
E	194m N	Tanks	1952	314006
H	197m W	Tanks	1997	319112
H	198m W	Tanks	1989	321418
H	198m W	Tanks	1987	319616
H	198m W	Tanks	1987	319616
H	198m W	Tanks	1997	321630
H	199m W	Tanks	1989	321630
I	200m NW	Unspecified Tank	1989	323982
I	200m NW	Unspecified Tank	1997	323982
I	207m NW	Unspecified Tank	1989	317872
I	208m NW	Unspecified Tank	1997	324138
E	212m N	Tanks	1968	313237
E	212m N	Tanks	1952	313237
E	219m N	Unspecified Tank	1968	320429
E	219m N	Unspecified Tank	1952	320429
E	230m N	Tanks	1968	319049
E	230m N	Tanks	1952	319049
E	243m N	Tanks	1952	311398
E	245m N	Tanks	1952	311397



ID	Location	Land Use	Date	Group ID
E	247m N	Unspecified Tank	1952	308529
E	258m N	Tanks	1952	311396
U	371m W	Tanks	1972	313636
U	371m W	Tanks	1968	328176
U	372m W	Tanks	1993	320471
U	372m W	Tanks	1987	313636
V	375m W	Tanks	1972	326499
V	376m W	Tanks	1993	326580
V	376m W	Tanks	1987	328069
W	398m N	Unspecified Tank	1973	317697
W	398m N	Unspecified Tank	1989	317697
V	407m W	Unspecified Tank	1972	323438
V	407m W	Unspecified Tank	1968	323438
V	407m W	Unspecified Tank	1993	323438
V	408m W	Unspecified Tank	1987	328280
V	408m W	Tanks	1972	318564
V	409m W	Tanks	1993	313594
V	411m W	Tanks	1987	318564
U	421m W	Tanks	1993	326482
U	422m W	Tanks	1972	313321
U	424m W	Tanks	1987	323003
U	432m W	Tanks	1968	323003
7	472m N	Unspecified Tank	1952	308642
AI	484m W	Tanks	1968	311359
8	485m N	Unspecified Tank	1997	308640
AI	491m W	Tanks	1968	311358
AI	492m W	Unspecified Tank	1968	308217

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

91

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

Features are displayed on the Past land use - un-grouped map on [page 23](#) >

ID	Location	Land Use	Date	Group ID
B	On site	Electricity Substation	1973	205678
B	On site	Electricity Substation	1972	205678
B	On site	Electricity Substation	1984	205678
F	131m E	Electricity Substation	1984	211190
F	132m E	Electricity Substation	1996	211190
F	132m E	Electricity Substation	1993	211190
F	133m E	Electricity Substation	1986	211190
F	133m E	Electricity Substation	1968	211190
F	133m E	Electricity Substation	1973	211190
F	133m E	Electricity Substation	1972	211190
F	133m E	Electricity Substation	1968	211190
G	185m NW	Electricity Substation	1997	209837
G	186m NW	Electricity Substation	1989	209837
G	186m NW	Electricity Substation	1987	209837
G	186m NW	Electricity Substation	1987	209837
K	223m E	Electricity Substation	1984	202975
K	225m E	Electricity Substation	1986	209691
K	225m E	Electricity Substation	1993	209691
K	225m E	Electricity Substation	1996	209691
K	225m E	Electricity Substation	1972	209691
K	225m E	Electricity Substation	1973	209691
L	249m SE	Electricity Substation	1984	203035
L	252m SE	Electricity Substation	1972	203035



ID	Location	Land Use	Date	Group ID
L	252m SE	Electricity Substation	1968	203035
L	252m SE	Electricity Substation	1993	203035
J	262m W	Electricity Substation	1997	209133
J	262m W	Electricity Substation	1989	209133
N	299m NW	Electricity Substation	1989	198609
N	300m NW	Electricity Substation	1987	198609
N	300m NW	Electricity Substation	1987	198609
N	300m NW	Electricity Substation	1997	198609
P	318m NE	Gas Governor	1986	208277
P	320m NE	Gas Governor	1996	196841
P	320m NE	Gas Governor	1993	196841
Q	328m W	Electricity Substation	1972	211875
Q	329m W	Electricity Substation	1993	211875
Q	330m W	Electricity Substation	1987	211875
S	343m NW	Gas Governor	1989	196978
S	343m NW	Gas Governor	1997	196978
M	356m NE	Electricity Substation	1993	199980
M	356m NE	Electricity Substation	1996	199980
T	360m NW	Electricity Substation	1993	208221
T	362m NW	Electricity Substation	1987	208221
X	408m N	Electricity Substation	1969	195299
X	408m N	Electricity Substation	1973	195299
X	408m N	Electricity Substation	1989	195299
Y	421m NW	Electricity Substation	1972	193757
Y	421m NW	Electricity Substation	1968	193284
Y	424m NW	Electricity Substation	1972	192385
Y	424m NW	Electricity Substation	1968	194225
Z	425m NW	Electricity Substation	1969	205956



ID	Location	Land Use	Date	Group ID
Z	425m NW	Electricity Substation	1973	205956
Z	426m NW	Electricity Substation	1989	205956
Z	429m NW	Electricity Substation	1997	191138
Y	435m NW	Electricity Substation	1993	192276
Y	435m NW	Electricity Substation	1987	194273
AA	437m NW	Electricity Substation	1987	196734
AA	437m NW	Electricity Substation	1993	196734
AB	442m E	Electricity Substation	1984	198174
AB	443m E	Electricity Substation	1972	198174
AB	443m E	Electricity Substation	1968	198174
AB	444m E	Electricity Substation	1993	198174
AC	445m E	Electricity Substation	1986	200845
AC	445m E	Electricity Substation	1984	200845
AC	446m E	Electricity Substation	1993	200845
AC	446m E	Electricity Substation	1996	200845
AC	446m E	Electricity Substation	1972	203011
AC	446m E	Electricity Substation	1968	203011
AC	447m E	Electricity Substation	1968	200845
AC	447m E	Electricity Substation	1973	200845
AD	449m N	Electricity Substation	1989	196811
AD	449m N	Electricity Substation	1973	196811
AE	450m NE	Electricity Substation	1984	210390
AE	451m NE	Electricity Substation	1986	212310
AE	452m NE	Electricity Substation	1996	212310
AE	452m NE	Electricity Substation	1993	212310
AE	452m NE	Electricity Substation	1972	212310
AE	452m NE	Electricity Substation	1968	212310
AE	453m NE	Electricity Substation	1968	212310



ID	Location	Land Use	Date	Group ID
AE	453m NE	Electricity Substation	1973	212310
AB	455m E	Electricity Substation	1968	191130
AF	460m N	Electricity Substation	1969	199609
AF	460m N	Electricity Substation	1973	199609
AF	460m N	Electricity Substation	1997	199609
AF	461m N	Electricity Substation	1989	199609
Y	469m NW	Electricity Substation	1993	194497
Y	469m NW	Electricity Substation	1987	193343
AJ	494m N	Electricity Substation	1989	194915
AJ	494m N	Electricity Substation	1969	194915
AJ	494m N	Electricity Substation	1973	194915
AJ	494m N	Electricity Substation	1997	194915

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

1

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

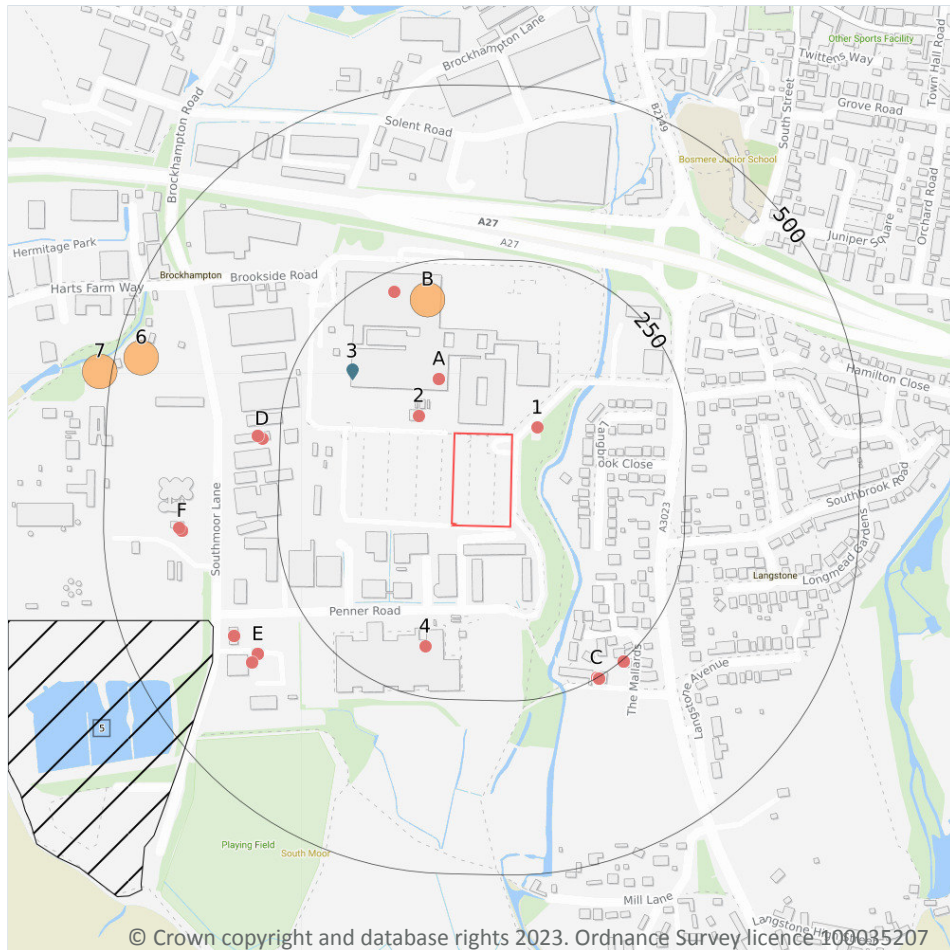
Features are displayed on the Past land use - un-grouped map on [page 23 >](#)

ID	Location	Land Use	Date	Group ID
4	357m NE	Garage	1959	60938

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on [page 33 >](#)

ID	Location	Details		
5	373m SW	Site Address: Land South Of Budds Farm Sewage Works, Brockhampton, Hampshire Licence Holder Address: -	Waste Licence: - Site Reference: FHA10, HAV4 Waste Type: Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 33 >](#)

ID	Location	Address	Further Details	Date
B	170m N	Site Address: Langstone Technology Park, 2b Langstone Road, HAVANT, Hampshire, PO9 1SA	Type of Site: Waste Transfer Station Planning application reference: APP/11/00168 Description: Scheme comprises Construction of Waste Compactor Housing and Consumables store. An application (ref: APP/11/00168) for detailed planning permission was submitted to Havant B.C. A detailed planning application has been submitted. Data source: Historic Planning Application Data Type: Point	24/02/201 2
6	437m W	Site Address: Havant Lorry Park, Southmoor Lane, HAVANT, Hampshire, PO9 1JW	Type of Site: Waste Transfer Station Planning application reference: 00/50757/12/HCC Description: Scheme comprises the construction of a waste transfer station facility, which will consist of a single storey waste process building of 2600 sqm. This will also include associated portable buildings, ancillary offices, storage, cafe, access road, two we ighbridges, lorry turning circle and landscaping. Construction - plastic coated metal cladding walls; pitched, plastic coated metal cladding, steel truss roof; roller shutter doors; pad foundations; steel frame. An application (ref: 00/50757/12/HCC) for Detailed Planning permission was submitted to Havant B.C. on 16th March 2000. The technical and programme details remain to be finalised. Detailed plans have been submitted. (04/04/2000) Data source: Historic Planning Application Data Type: Point	-
7	492m W	Site Address: West Of Southmoor Lane, HAVANT, Hampshire	Type of Site: Waste Transfer Station Planning application reference: 96/50757/12/HCC Description: Concrete enclosure of 144 sqm consisting of 3 bays and landscaping. An application (ref: 96/50757/12/HCC) for Detailed Planning permission was submitted to Havant B.C. on 7th May 1996. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	1
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 33 >](#)



ID	Location	Details		
3	172m NW	Site Name: Langstone Technology Park Site Address: Teleplan And White Electronics B V, Teleplan, Langstone Road, Havant, Hampshire, PO9 1SA Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 631749 EPR reference: EA/EPR/AB3203HA Operator: Teleplan And White Electronics B V Waste Management licence No: 400450 Annual Tonnage: 0	Issue Date: 13/06/2013 Effective Date: 13/06/2013 Modified: - Surrendered Date: 13/06/2013 Expiry Date: - Cancelled Date: 13/06/2013 Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	45
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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 33 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	37m NE	LANGSTONE TECHNOLOGY PARK LANGSTONE ROAD HAVANT HAMPSHIRE PO9 1SA	EPR/FF0606TX /A001	Treating waste exemption	Non-Agricultural Waste Only	Aerobic composting and associated prior treatment
2	57m NW	LANGSTONE ROAD, HAVANT, PO9 1SA	WEX133782	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
A	81m NW	Langstone Technology Park, Langstone Road, Havant, PO9 1SA	EA/EPR/WP30 40XX/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
A	81m NW	TELEPLAN, LANGSTONE TECHNOLOGY PARK, LANGSTONE ROAD, HAVANT PO9 1SA	EXP/WP3040X X	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
4	179m S	2 Penner Road HAVANT Hampshire PO9 1QH	EPR/SF0509UP /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
B	220m NW	LANGSTONE TECHNOLOGY PARK LANGSTONE ROAD HAVANT HAMPSHIRE PO9 1SA	EPR/ZF0600TN /A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
C	250m SE	Langstone Dairy Farm Hampshire PO9 1QX	EPR/CF0932B H/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters
C	250m SE	Langstone Dairy Farm Hampshire PO9 1QX	EPR/CF0932B H/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
C	250m SE	Langstone Dairy Farm Hampshire PO9 1QX	EPR/CF0932B H/A001	Treating waste exemption	Agricultural Waste Only	Aerobic composting and associated prior treatment
C	250m SE	Langstone Dairy Farm Hampshire PO9 1QX	EPR/CF0932B H/A001	Treating waste exemption	Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	250m SE	Langstone Dairy Farm Hampshire PO9 1QX	EPR/CF0932B H/A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
C	250m SE	Langstone Dairy Farm Hampshire PO9 1QX	EPR/CF0932B H/A001	Using waste exemption	Agricultural Waste Only	Spreading of plant matter to confer benefit
C	250m SE	Langstone Dairy Farm Hampshire PO9 1QX	EPR/CF0932B H/A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose
C	253m SE	Langstone Dairy Farm, Langstone Road, Havant, PO9 1QX	WEX055959	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
C	253m SE	Langstone Dairy Farm, Langstone Road, Havant, PO9 1QX	WEX055959	Disposing of waste exemption	On a farm	Burning waste in the open
C	253m SE	Langstone Dairy Farm, Langstone Road, Havant, PO9 1QX	WEX055959	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
C	253m SE	Langstone Dairy Farm, Langstone Road, Havant, PO9 1QX	WEX055959	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	253m SE	Langstone Dairy Farm, Langstone Road, Havant, PO9 1QX	WEX055959	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit



ID	Location	Site	Reference	Category	Sub-Category	Description
C	253m SE	Langstone Dairy Farm, Langstone Road, Havant, PO9 1QX	WEX055959	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	253m SE	Langstone Dairy Farm, Langstone Road, Havant, PO9 1QX	WEX055959	Using waste exemption	On a farm	Use of waste for a specified purpose
C	253m SE	Langstone Dairy Farm, Langstone Road, Langstone, Havant, PO91SS	WEX206585	Disposing of waste exemption	On a Farm	Burning waste in the open
C	253m SE	Langstone Dairy Farm, Langstone Road, Langstone, Havant, PO91SS	WEX206585	Disposing of waste exemption	On a Farm	Deposit of waste from dredging of inland waters
C	253m SE	Langstone Dairy Farm, Langstone Road, Langstone, Havant, PO91SS	WEX206585	Treating waste exemption	On a Farm	Aerobic composting and associated prior treatment
C	253m SE	Langstone Dairy Farm, Langstone Road, Langstone, Havant, PO91SS	WEX206585	Treating waste exemption	On a Farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	253m SE	Langstone Dairy Farm, Langstone Road, Langstone, Havant, PO91SS	WEX206585	Using waste exemption	On a Farm	Spreading of plant matter to confer benefit
C	253m SE	Langstone Dairy Farm, Langstone Road, Langstone, Havant, PO91SS	WEX206585	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
C	253m SE	Langstone Dairy Farm, Langstone Road, Langstone, Havant, PO91SS	WEX206585	Using waste exemption	On a Farm	Use of waste for a specified purpose
D	276m W	BUDDS FARM WATER TREATMENT WORKS, SOUTHMOOR LANE, HAVANT, PO9 1JW	WEX338824	Disposing of waste exemption	Not on a farm	Depositing samples of waste for the purposes of testing or analysing them
D	282m W	Gate A - Budds Farm, Southmoor Lane, Havant, PO9 1JW	WEX120742	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	282m W	Gate A - Budds Farm, Southmoor Lane, Havant, PO9 1JW	WEX120742	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	336m SW	2, PENNER ROAD, HAVANT, PO9 1QH	WEX162776	Storing waste exemption	Not on a Farm	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
E	336m SW	2, PENNER ROAD, HAVANT, PO9 1QH	WEX162776	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
E	336m SW	2, PENNER ROAD, HAVANT, PO9 1QH	WEX073261	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	336m SW	2, PENNER ROAD, HAVANT, PO9 1QH	WEX073261	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	349m SW	-	WEX221875	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	349m SW	-	WEX221875	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	353m SW	2, PENNER ROAD, HAVANT, PO9 1QH	WEX341249	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	353m SW	2, PENNER ROAD, HAVANT, PO9 1QH	WEX343999	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	388m W	BUDDS FARM WATER TREATMENT WORKS, SOUTHMOOR LANE, HAVANT, PO9 1JW	WEX200223	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	388m W	BUDDS FARM WATER TREATMENT WORKS, SOUTHMOOR LANE, HAVANT, PO9 1JW	WEX200223	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	388m W	BUDDS FARM WATER TREATMENT WORKS, SOUTHMOOR LANE, HAVANT, PO9 1JW	WEX215075	Disposing of waste exemption	Not on a farm	Depositing samples of waste for the purposes of testing or analysing them
F	388m W	BUDDS FARM WATER TREATMENT WORKS, SOUTHMOOR LANE, HAVANT, PO9 1JW	WEX061324	Disposing of waste exemption	Not on a farm	Depositing samples of waste for the purposes of testing or analysing them
F	388m W	BUDDS FARM WATER TREATMENT WORKS, SOUTHMOOR LANE, HAVANT, PO9 1JW	WEX326083	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	388m W	BUDDS FARM WATER TREATMENT WORKS, SOUTHMOOR LANE, HAVANT, PO9 1JW	WEX326083	Storing waste exemption	Not on a farm	Storage of waste in a secure place

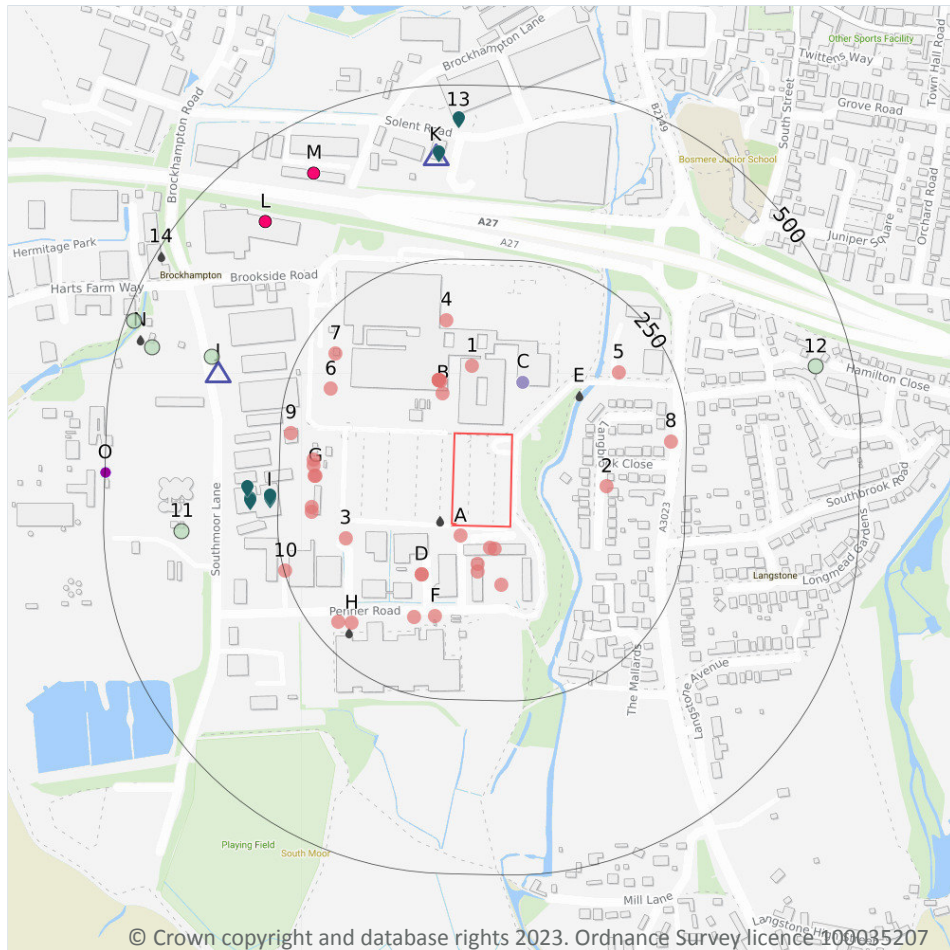


ID	Location	Site	Reference	Category	Sub-Category	Description
F	393m W	Budds Farm Havant WwTW Southmoor Lane Havant Hampshire PO9 1JW	EPR/GE5584M U/A001	Disposing of waste exemption	Non- Agricultura l Waste Only	Depositing samples of waste for the purposes of testing or analysing them

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- Historical licensed industrial activities
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

34

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 41](#) >

ID	Location	Company	Address	Activity	Category
A	15m S	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
A	31m S	Total Appliance Repair	Unit C3, Cairo Place, 7, Penner Road, Havant, Hampshire, PO9 1QN	Electrical Equipment Repair and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
A	32m S	Keel Marine Ltd	Unit C5 Cairo Place 7, Penner Road, Havant, Hampshire, PO9 1QN	Marine Engineers and Services	Engineering Services
A	54m S	Bridle Vehicle Leasing	Unit B1 Cairo Place 7, Penner Road, Havant, Hampshire, PO9 1QN	Vehicle Hire and Rental	Hire Services
B	60m NW	Southern Van Hire	Langstone Technology Park 2b, Langstone Road, Havant, Hampshire, PO9 1SA	Vehicle Hire and Rental	Hire Services
A	66m S	Southern Motor Contracts	Unit B2 Cairo Place 7, Penner Road, Havant, Hampshire, PO9 1QN	Vehicle Hire and Rental	Hire Services
B	78m NW	Lockheed Martin	Langstone Technology Park, 2b, Langstone Road, Havant, Hampshire, PO9 1SA	Armed Services	Central and Local Government
B	79m NW	Teleplan	Langstone Technology Park 2b, Langstone Road, Havant, Hampshire, PO9 1SA	Electrical Equipment Repair and Servicing	Repair and Servicing
B	79m NW	Temple Lifts	Langstone Technology Park 2b, Langstone Road, Havant, Hampshire, PO9 1SA	Industrial Repairs and Servicing	Repair and Servicing
B	79m NW	Diamond Print & Mail Centre Ltd	Langstone Technology Park, Langstone Road, Havant, Hampshire, PO9 1SA	Published Goods	Industrial Products
B	79m NW	The Future Business Ltd	Langstone Technology Park, Langstone Road, Havant, Hampshire, PO9 1SA	Published Goods	Industrial Products
A	83m S	Endeavour Business Park	Hampshire, PO9	Business Parks and Industrial Estates	Industrial Features
D	84m SW	Fire Fabrics Direct	Pyramid Park, 5, Penner Road, Havant, Hampshire, PO9 1QZ	Special Purpose Machinery and Equipment	Industrial Products
D	84m SW	Oska Ltd	Pyramid Park 5, Penner Road, Havant, Hampshire, PO9 1QZ	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
1	97m N	Fasset	Langstone Technology Park, Langstone Road, Havant, Hampshire, PO9 1SA	Business Parks and Industrial Estates	Industrial Features
F	133m S	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
2	137m E	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
F	143m SW	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
3	154m SW	Balancing Pond	Hampshire, PO9	Settling, Balancing and Silt Ponds	Bodies of Water
4	163m N	Diabetes Research & Wellness Foundation	Langstone Technology Park, Langstone Road, Havant, Hampshire, PO9 1SA	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
5	177m NE	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
6	189m NW	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
G	198m W	Tank	Hampshire, PO9	Tanks (Generic)	Industrial Features
G	199m W	Tank	Hampshire, PO9	Tanks (Generic)	Industrial Features
G	201m W	Tank	Hampshire, PO9	Tanks (Generic)	Industrial Features
G	201m W	Tank	Hampshire, PO9	Tanks (Generic)	Industrial Features
G	201m W	Tank	Hampshire, PO9	Tanks (Generic)	Industrial Features
G	201m W	Tank	Hampshire, PO9	Tanks (Generic)	Industrial Features
H	202m SW	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
7	206m NW	Tank	Hampshire, PO9	Tanks (Generic)	Industrial Features
H	216m SW	Pumping Station	Hampshire, PO9	Water Pumping Stations	Industrial Features
8	228m E	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
9	235m W	D-star Customs	Unit 6, Beaver Industrial Estate, Southmoor Lane, Havant, Hampshire, PO9 1JW	New Vehicles	Motoring
10	248m SW	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m

2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 41 >](#)

ID	Location	Company	Address	LPG	Status
J	351m W	UNBRANDED	Southmoor Lane, Havant, Hampshire, PO9 1JW	Not Applicable	Obsolete
K	401m N	TESCO EXTRA	Solent Road, Havant, Hampshire, PO9 1TR	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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



This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

2

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 41](#) >

ID	Location	Details	
C	77m NE	Operator: Adflex Solutions Ltd (dissolved) Address: PO Box 6, Havant, Hampshire, PO9 1SA Process: Processes Involving Halogens Permit Number: AP1131	Original Permit Number: IPCAPP Date Approved: 29-3-1995 Effective Date: 1-4-1995 Status: Superseded By Variation
C	77m NE	Operator: Adflex Solutions Ltd (dissolved) Address: PO Box 6, Havant, Hampshire, PO9 1SA Process: Processes Involving Halogens Permit Number: AU8741	Original Permit Number: IPCMINVAR Date Approved: 17-1-1997 Effective Date: 17-1-1997 Status: Revoked

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



4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

7

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 41 >](#)

ID	Location	Address	Details	
I	262m W	Seaward Accident Repair Centre Ltd., Unit 2, Beaver Industrial Estate, Southmoor Lane, Havant, Hampshire, PO9 1JW	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	263m W	FMG Repair Services Ltd. (C/O Redde Northgate), Unit 2, Beaver Industrial Estate, Southmoor Lane, Havant, Hampshire, PO9 1JW	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	291m W	Seaward Accident Repair Centre Ltd, Langstone House, Beaver Industrial Estate, Southmoor Lane, Havant, Hampshire, PO9 1JW	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	291m W	Seaward Accident Repair Centre Ltd, Unit 1, Beaver Industrial Estate, Southmoor lane, Havant, Hampshire, PO9 1JW (Revoked 11/03/2009)	Process: Respraying of Road Vehicles Status: Revoked Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	295m W	Seaward Accident Repair Centre Ltd, Langstone House, Beaver Industrial Estate, Southmoor Lane, Havant, Hampshire, PO9 1JW	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified



ID	Location	Address	Details	
K	402m N	Tesco Stores Ltd, Solent Road, Langstone Harbour, Havant, Hampshire, PO9 5AH	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
13	449m N	Solent Cleaners Ltd, 15 Solent Road, Havant, Hampshire, PO9 1AF	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

6

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

Features are displayed on the Current industrial land use map on [page 41 >](#)

ID	Location	Address	Details	
L	407m NW	Apollo Fire Detectors Ltd, 36 Brookside Road, Havant, PO9 1JR	Operator: Apollo Fire Detectors Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AW6707 Date of approval: 04/08/2009	Effective from: 01/09/2009 Last date of update: 23/01/2013 Status: Revoked/cancelled
L	407m NW	Apollo Fire Detectors Ltd, 36 Brookside Road, Havant, PO9 1JR	Operator: Apollo Fire Detectors Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AW6707 Date of approval: 10/10/1996	Effective from: 14/10/1996 Last date of update: 10/04/2013 Status: Superseded By Variation
L	407m NW	Apollo Fire Detectors Ltd, 36 Brookside Road, Havant, PO9 1JR	Operator: Apollo Fire Detectors Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AW6707 Date of approval: 23/01/2001	Effective from: 23/01/2001 Last date of update: 10/04/2013 Status: Superseded By Variation
L	407m NW	Apollo Fire Detectors Ltd, 36 Brookside Road, Havant, PO9 1JR	Operator: Apollo Fire Detectors Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AW6707 Date of approval: 05/06/2003	Effective from: 07/07/2003 Last date of update: 10/04/2013 Status: Superseded By Variation



ID	Location	Address	Details	
M	424m NW	Apollo Fire Detectors Ltd, 6 Solent Road, Havant, Hampshire, PO9 1JH	Operator: Apollo Fire Detectors Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC1369 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 10/04/2013 Status: Revoked/cancelled
M	424m NW	Apollo Fire Detectors Ltd, 6 Solvent Road, Havant, Hampshire, PO91 1JH	Operator: Apollo Fire Detectors Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC1385 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 10/04/2013 Status: Revoked/cancelled

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

4.13 Licensed Discharges to controlled waters

Records within 500m

7

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 41 >](#)

ID	Location	Address	Details	
A	17m SW	OFFICE CAR PARK, OFFICE CAR PARK, PHASE 6, LANGSTONE ROAD, HAVANT, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01268 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 13/04/1978 Effective Date: 13/04/1978 Revocation Date: 17/03/1995
A	17m SW	OFFICE CAR PARK, OFFICE CAR PARK, PHASE 6, LANGSTONE ROAD, HAVANT, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01268 Permit Version: 2 Receiving Water: FRESHWATER RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 17/03/1995 Effective Date: 17/03/1995 Revocation Date: -
E	110m NE	LANGSTONE ROAD, LANGSTONE ROAD, HAVANT, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01162 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 27/10/1982 Effective Date: 27/10/1982 Revocation Date: 17/03/1995
E	110m NE	LANGSTONE ROAD, LANGSTONE ROAD, HAVANT, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01162 Permit Version: 2 Receiving Water: FRESHWATER RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 17/03/1995 Effective Date: 17/03/1995 Revocation Date: -



ID	Location	Address	Details	
H	214m SW	LAND EAST OF SOUTHMOOR LANE, LAND EAST OF SOUTHMOOR LANE, HAVANT, HAMPSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P05514 Permit Version: 1 Receiving Water: UNNAMED TRIB OF LAVANT STREAM	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 15/09/1994 Effective Date: 15/09/1994 Revocation Date: -
N	471m W	NURSERY UNITS AT HARTS FARM WAY, NURSERY UNITS AT HARTS FARM WAY, (SOUTH SIDE), BROCKHAMPTON, HAVANT, HAMPSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: N01080 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: SURRENDERED UNDER EPR 2010 Issue date: 26/11/1984 Effective Date: 26/11/1984 Revocation Date: 29/11/2021
14	492m NW	BOSHAMPTON LANE, BOSHAMPTON LANE, HAVANT HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01265 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 05/05/1978 Effective Date: 05/05/1978 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m

0

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

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



4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

5

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 41 >](#)

ID	Location	Details	
J	365m NW	Incident Date: 13/07/2003 Incident Identification: 173189 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
11	387m W	Incident Date: 01/01/2003 Incident Identification: 128502 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
12	446m E	Incident Date: 11/06/2003 Incident Identification: 164901 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
N	451m W	Incident Date: 18/08/2002 Incident Identification: 101187 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	488m NW	Incident Date: 02/06/2003 Incident Identification: 162427 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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



4.19 Pollution inventory substances

Records within 500m

30

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 41](#) >

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(a)pyrene	1kg	1.64kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	24000000kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Total organic carbon (TOC)	50000kg	190000kg



ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(b)fluoranthene	1kg	1kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Fluorides - as F	2000kg	10600kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Lead	20kg	50.7kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Brominated diphenylethers - penta-, octa- and deca-BDE	0.1kg	Below Reporting Threshold
Controlled Waters	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Controlled Waters	Octylphenols and octylphenol ethoxylates	1kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Air	Chloroform (Trichloromethane)	100kg	Below Reporting Threshold
Controlled Waters	Carbon tetrachloride (Tetrachloromethane)	1kg	Below Reporting Threshold
Controlled Waters	Chloroform (Trichloromethane)	5kg	Below Reporting Threshold
Controlled Waters	Dichloromethane (DCM) (Methylene chloride)	10kg	Below Reporting Threshold
Controlled Waters	Organotin compounds - as Sn	5kg	Below Reporting Threshold
Controlled Waters	Phenols - total as C	20kg	Below Reporting Threshold
Controlled Waters	Chromium	20kg	Below Reporting Threshold
Controlled Waters	Aldrin	0.0005kg	Below Reporting Threshold
Controlled Waters	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	0.0001kg	Below Reporting Threshold
Controlled Waters	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	0.0001kg	Below Reporting Threshold

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	1400kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Chlorides - as Cl	2000000kg	3800000kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Halogenated organic compounds - as AOX	1000kg	5020kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Asbestos	0.1kg	3.74kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Fluoranthene	0.1kg	0.37kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Nickel	20kg	270kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Zinc	100kg	2020kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Diuron	0.05kg	4.36kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Anthracene	0.1kg	1.8kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Indeno(1,2,3-cd)pyrene	1kg	2.12kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Tributyltin and compounds - as TBT	0.005kg	0.032kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Nitrogen - as total N	50000kg	315000kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Cyanides - as CN	50kg	66kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Cadmium	1kg	5.27kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Mercury	0.1kg	1.22kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Nonylphenols and nonylphenol ethoxylates	1kg	119kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Arsenic	5kg	48kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Naphthalene	1kg	49.5kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Phosphorus - as total P	5000kg	123000kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(g,h,i)perylene	0.1kg	0.58kg

ID: O, Location: 500m W, Permit: WACT/257
Operator: Southern Water
Activity: -
Address: Budds Farm STW PO9 1JW
Sector: Water Industry, Sub-sector: Water Industry
Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Copper	20kg	637kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	37000kg

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Di(2-ethylhexyl)phthalate (DEHP)	0.1kg	86.2kg

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

4.20 Pollution inventory waste transfers

Records within 500m	1
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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 41](#) >

ID: O, Location: 500m W, Permit: WACT/257
 Operator: Southern Water
 Activity: -
 Address: Budds Farm STW PO9 1JW
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	8097	absolute value	19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	No
R10	Land treatment resulting in benefit to agriculture or ecological improvement	51518	absolute value	19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	No

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

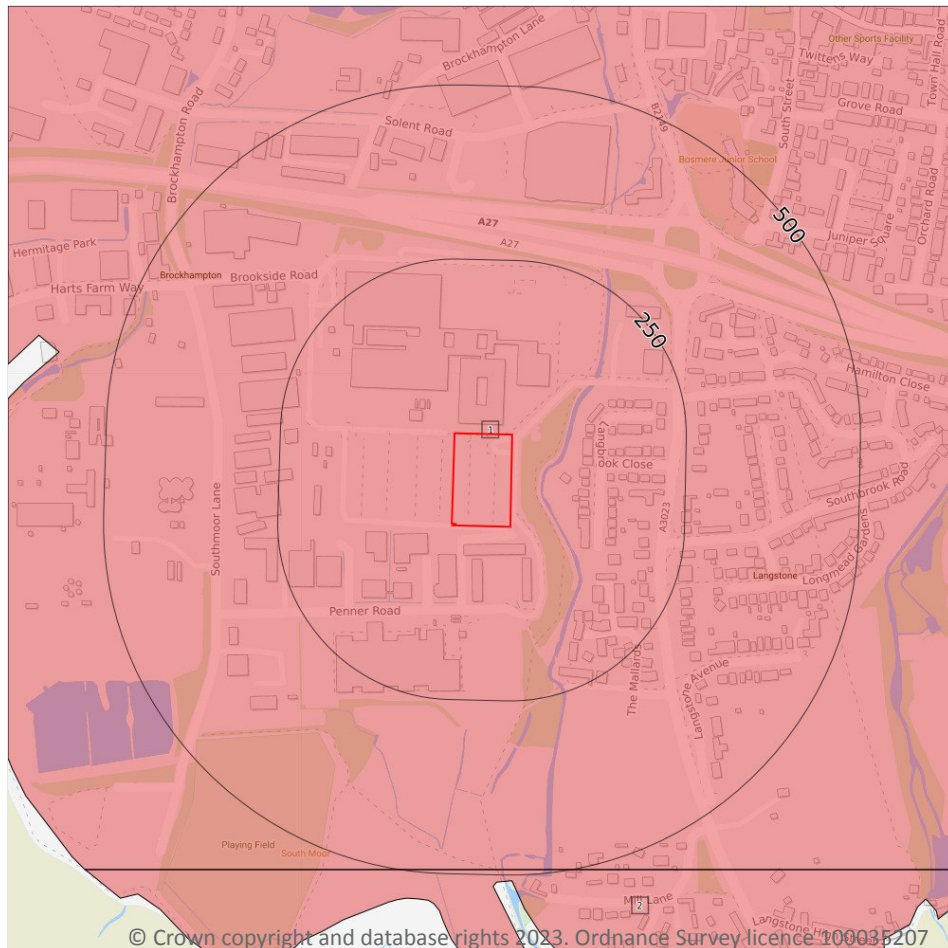
4.21 Pollution inventory radioactive waste

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

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 61](#) >

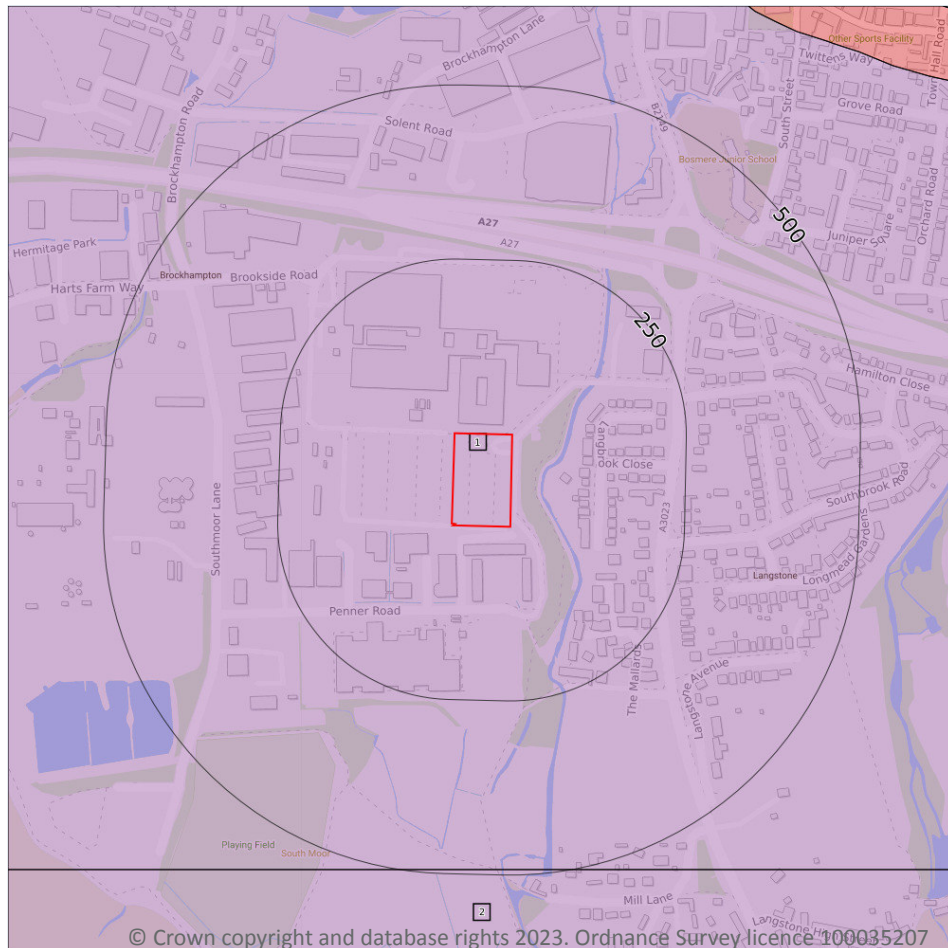
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	492m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

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

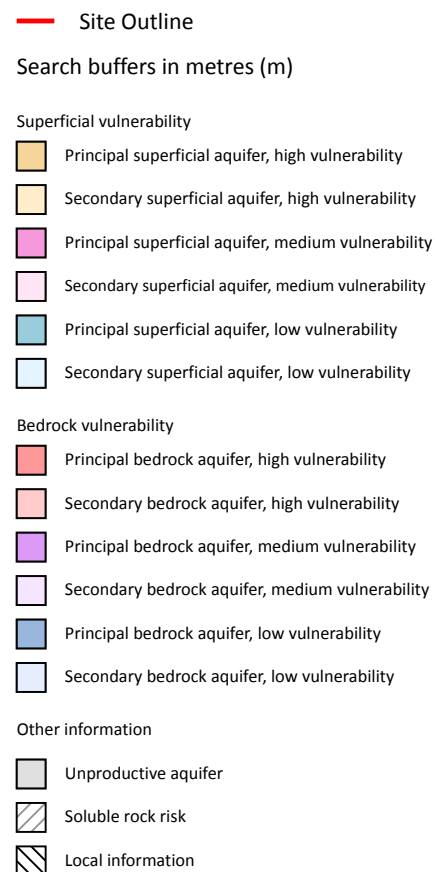
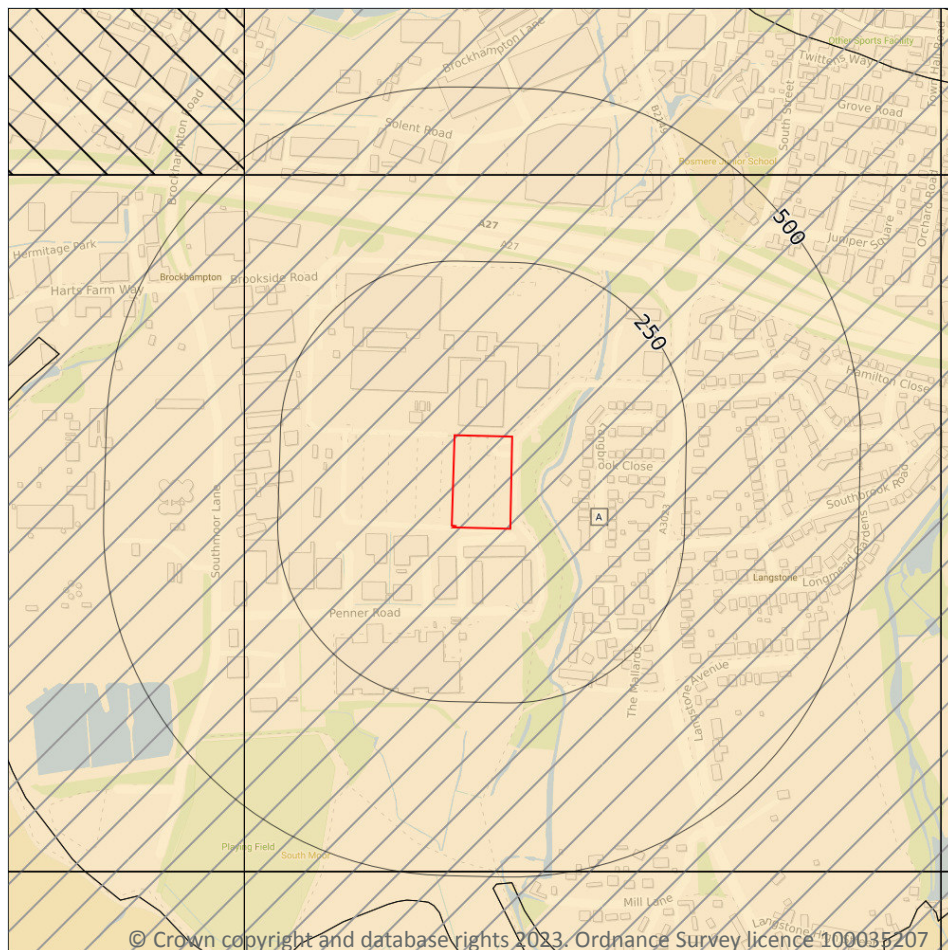
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	492m S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers



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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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 65](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
A	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.	0.0%

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

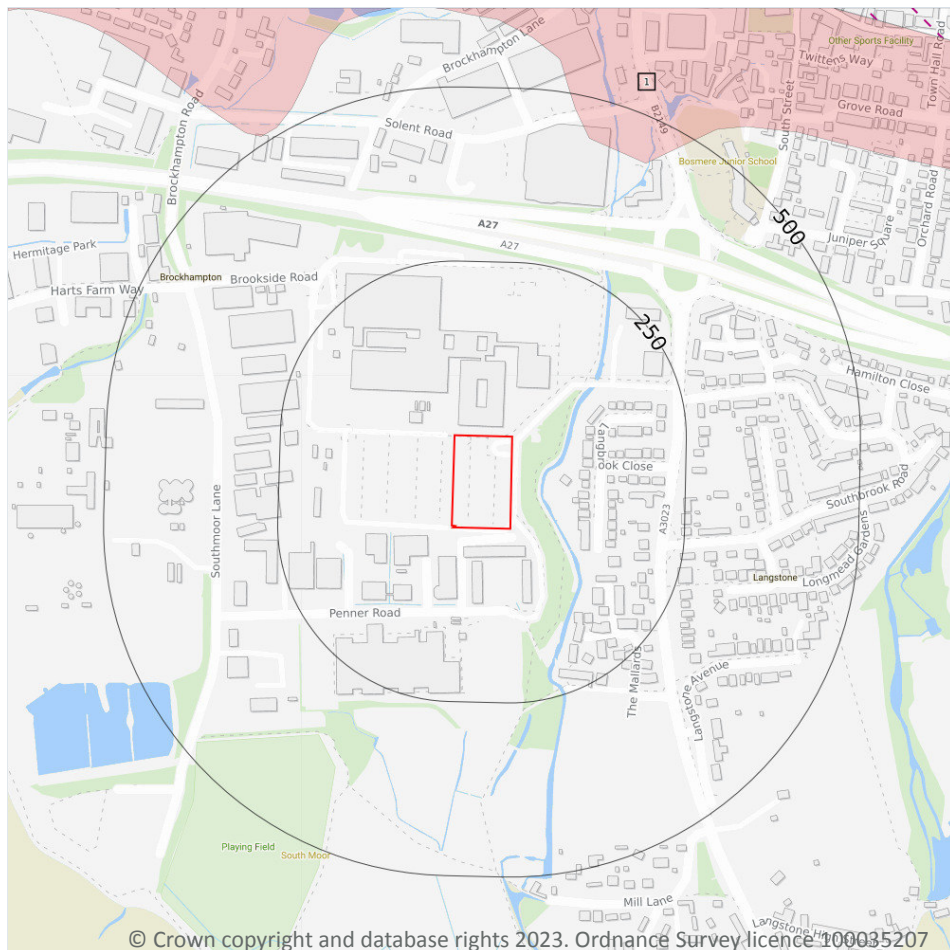
5.5 Groundwater vulnerability- local information

Records on site	0
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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

3

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 67 >](#)



ID	Location	Details	
-	795m N	Status: Active Licence No: 11/42/36.2/1 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BEDHAMPTON PS SPRING NO 2 Data Type: Point Name: Portsmouth Water Ltd Easting: 471020 Northing: 106370	Annual Volume (m ³): 35770000 Max Daily Volume (m ³): 137000 Original Application No: NPS/WR/003341 Original Start Date: 23/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 09/06/2009 Version End Date: -
-	1036m NW	Status: Active Licence No: 11/42/36.2/1 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BEDHAMPTON PS SPRING NO 1 Data Type: Point Name: Portsmouth Water Ltd Easting: 470580 Northing: 106370	Annual Volume (m ³): 35770000 Max Daily Volume (m ³): 137000 Original Application No: NPS/WR/003341 Original Start Date: 23/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 09/06/2009 Version End Date: -
-	1043m NW	Status: Active Licence No: 11/42/36.2/1 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HAVANT PS Data Type: Point Name: Portsmouth Water Ltd Easting: 470480 Northing: 106270	Annual Volume (m ³): 35770000 Max Daily Volume (m ³): 137000 Original Application No: NPS/WR/003341 Original Start Date: 23/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 09/06/2009 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

3

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 67 >](#)

ID	Location	Details	
-	795m N	Status: Active Licence No: 11/42/36.2/1 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BEDHAMPTON PS SPRING NO 2 Data Type: Point Name: Portsmouth Water Ltd Easting: 471020 Northing: 106370	Annual Volume (m ³): 35770000 Max Daily Volume (m ³): 137000 Original Application No: NPS/WR/003341 Original Start Date: 23/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 09/06/2009 Version End Date: -
-	1036m NW	Status: Active Licence No: 11/42/36.2/1 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BEDHAMPTON PS SPRING NO 1 Data Type: Point Name: Portsmouth Water Ltd Easting: 470580 Northing: 106370	Annual Volume (m ³): 35770000 Max Daily Volume (m ³): 137000 Original Application No: NPS/WR/003341 Original Start Date: 23/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 09/06/2009 Version End Date: -
-	1043m NW	Status: Active Licence No: 11/42/36.2/1 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HAVANT PS Data Type: Point Name: Portsmouth Water Ltd Easting: 470480 Northing: 106270	Annual Volume (m ³): 35770000 Max Daily Volume (m ³): 137000 Original Application No: NPS/WR/003341 Original Start Date: 23/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 09/06/2009 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m

1

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 67 >](#)



ID	Location	Type	Description
1	436m NE	1	Inner catchment

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

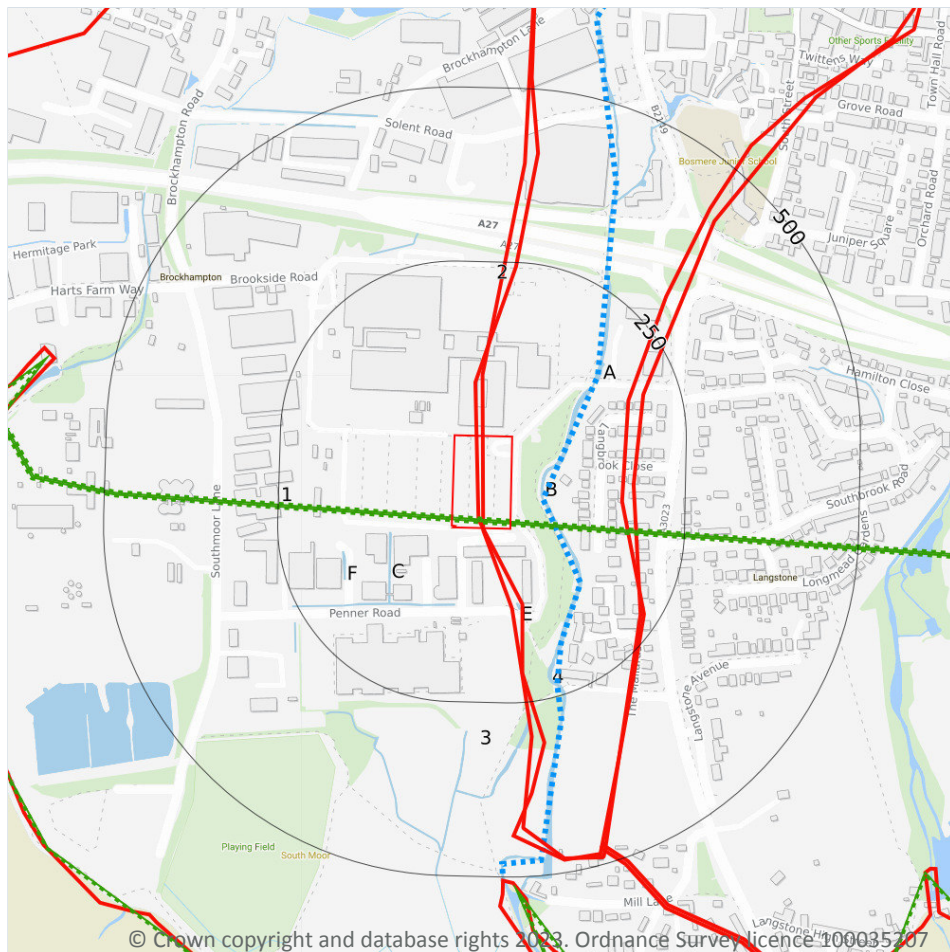
0

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

15

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 71](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
4	44m E	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
B	45m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
B	45m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	76m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	76m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	88m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	107m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	110m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	114m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	120m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	133m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	142m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	160m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	178m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	193m SW	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	11
----------------------------	-----------

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 71 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

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

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

Features are displayed on the Hydrology map on [page 71 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	Coastal Catchment	Not part of a river WB catchment	216	East Hampshire Rivers	East Hampshire
A	On site	River	Lavant (Hants)	GB107042016420	East Hampshire Rivers	East Hampshire

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on [page 71 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
5	46m E	River	Lavant (Hants)	GB107042016420 ↗	Poor	Fail	Poor	2019

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

6.5 WFD Groundwater bodies

Records on site

2

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.

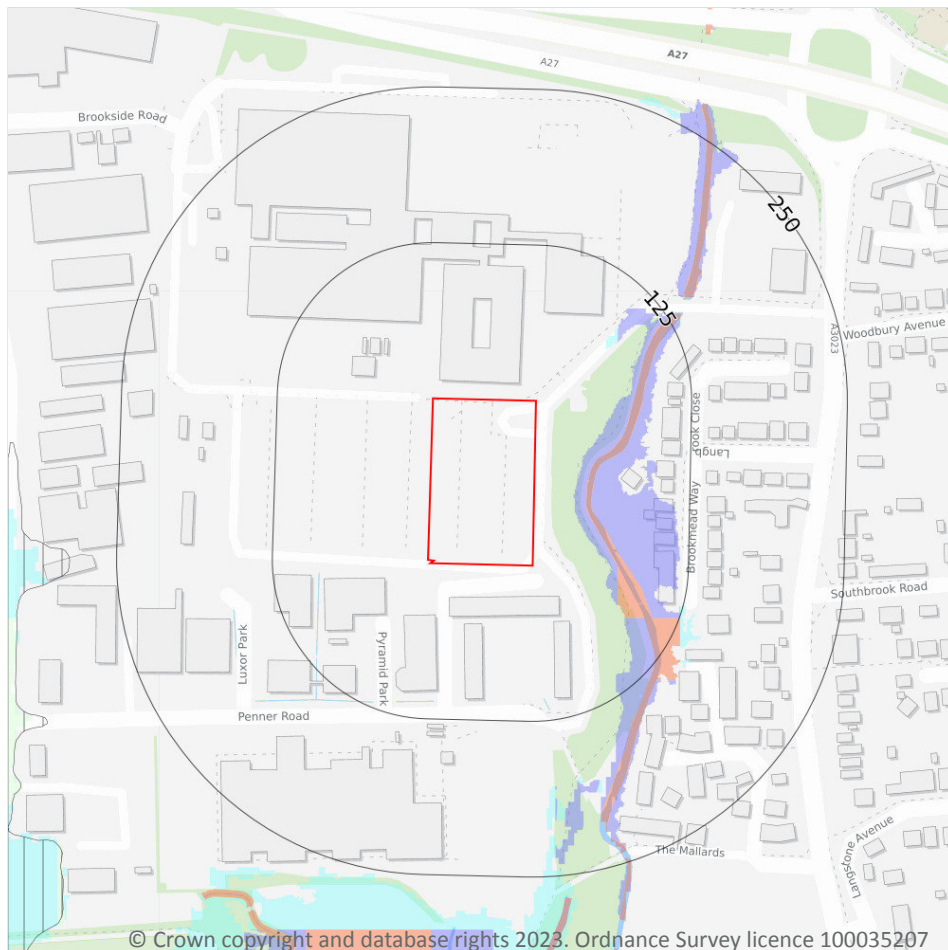
Features are displayed on the Hydrology map on [page 71 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	South Hants Lambeth Group	GB40702G503700 ↗	Good	Good	Good	2019
3	On site	East Hants Chalk	GB40701G502700 ↗	Poor	Poor	Poor	2019

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

3

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

Features are displayed on the River and coastal flooding map on [page 75 >](#)



Distance	Flood risk category
On site	N/A
0 - 50m	High

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

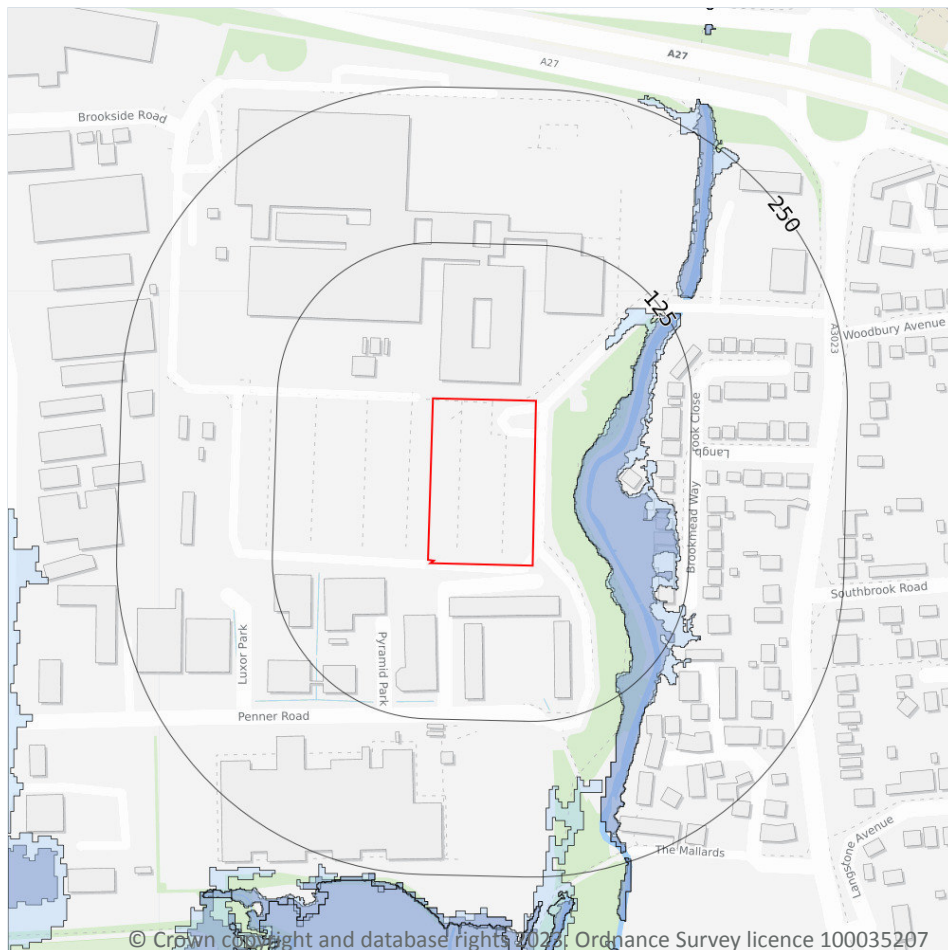
Records within 250m	0
----------------------------	----------

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



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

7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on [page 75 >](#)

Location	Type
32m E	Zone 2 - (Fluvial /Tidal Models)

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



7.7 Flood Zone 3

Records within 50m

1

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

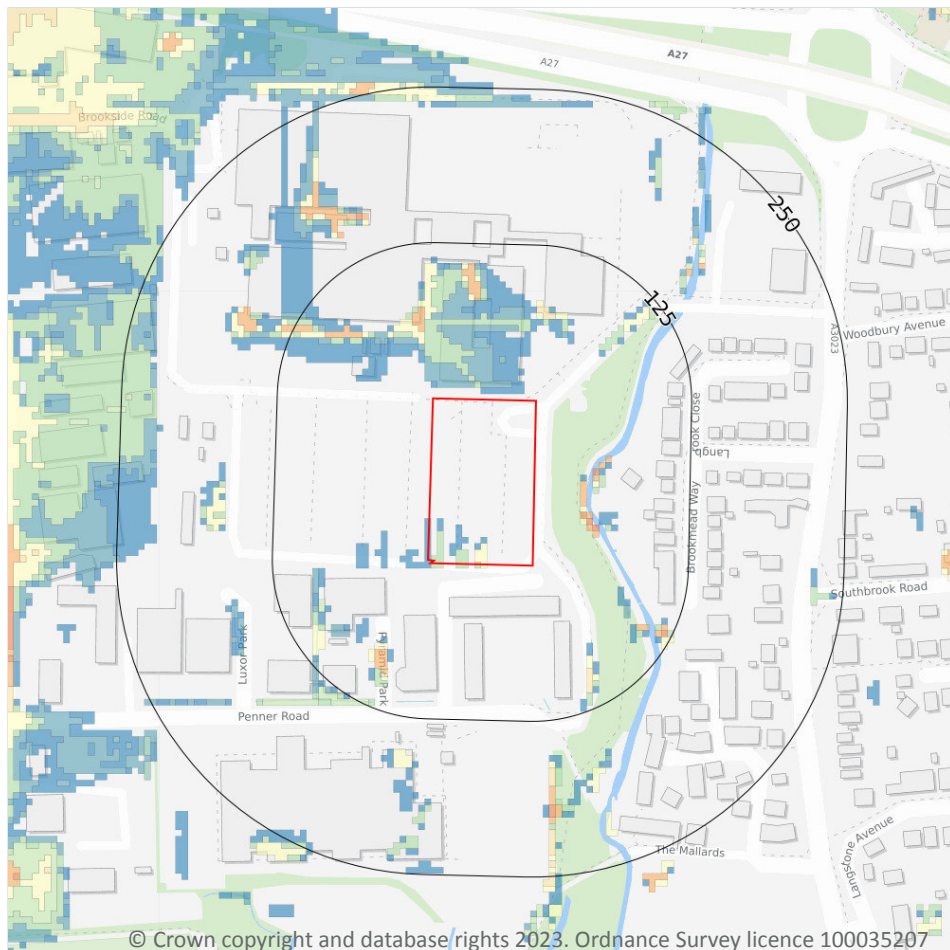
Features are displayed on the River and coastal flooding map on [page 75 >](#)

Location	Type
33m E	Zone 3 - (Fluvial Models)

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

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

1 in 250 return period

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

1 in 100 return period

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

1 in 30 return period

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

8.1 Surface water flooding

Highest risk on site

1 in 100 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 79 >](#)

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

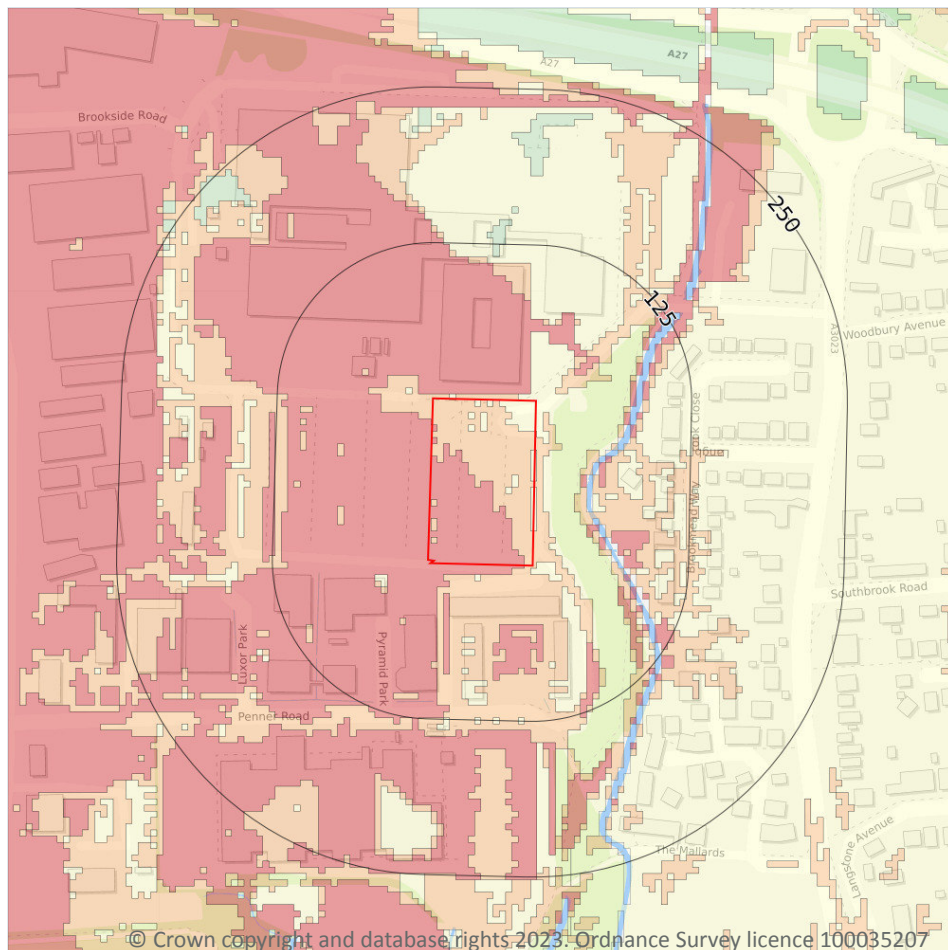
The table below shows the maximum flood depths for a range of return periods for the site.

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

High

Highest risk within 50m

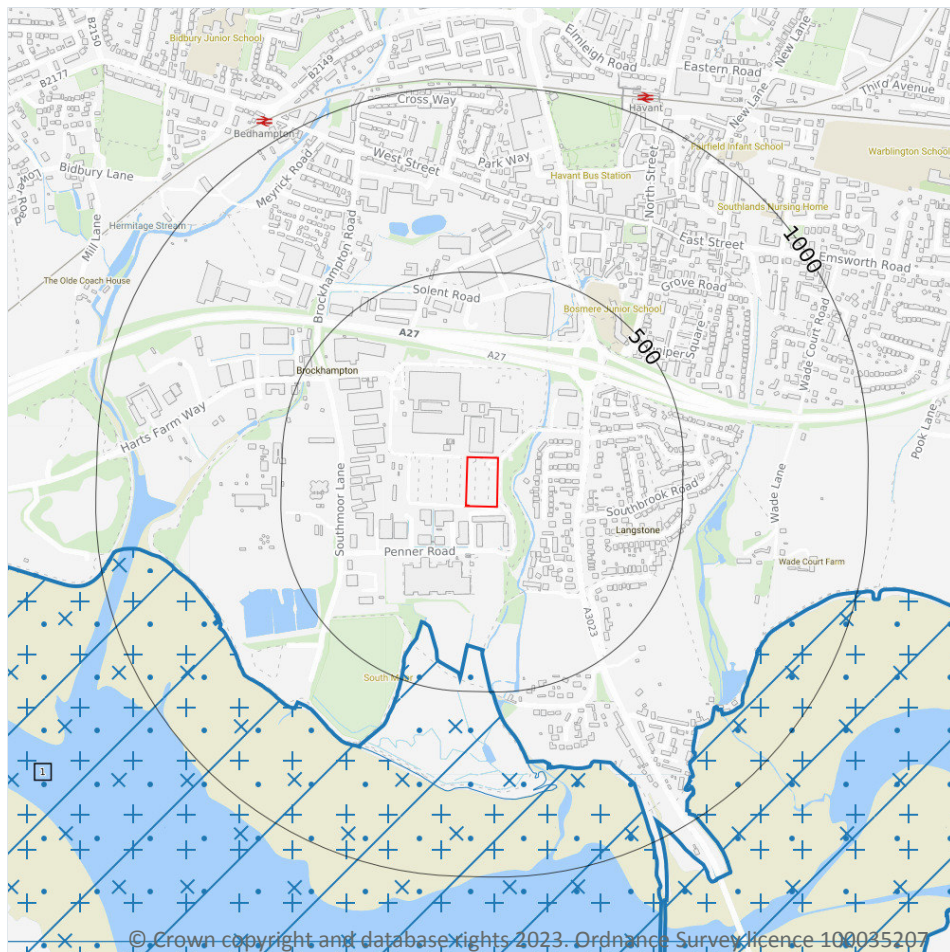
High

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

Features are displayed on the Groundwater flooding map on [page 81](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



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

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

3

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 82 >](#)

ID	Location	Name	Data source
A	335m S	Langstone Harbour	Natural England



ID	Location	Name	Data source
B	800m SE	Chichester Harbour	Natural England
-	1530m E	Warblington Meadow	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on [page 82](#) >

ID	Location	Site	Details
A	335m S	Name: Chichester and Langstone Harbours Site status: Listed Data source: Natural England	Overview: Chichester and Langstone Harbours are large, sheltered estuarine basins comprising extensive mud and sand flats exposed at low tide. The site is of particular significance for over-wintering wildfowl and waders and also a wide range of coastal and transitional habitats supporting important plant and animal communities. Ramsar criteria: Ramsar criterion 1 Two large estuarine basins linked by the channel which divides Hayling Island from the main Hampshire coastline. The site includes intertidal mudflats, saltmarsh, sand and shingle spits and sand dunes.
B	799m SE	Name: Chichester and Langstone Harbours Site status: Listed Data source: Natural England	Overview: Chichester and Langstone Harbours are large, sheltered estuarine basins comprising extensive mud and sand flats exposed at low tide. The site is of particular significance for over-wintering wildfowl and waders and also a wide range of coastal and transitional habitats supporting important plant and animal communities. Ramsar criteria: Ramsar criterion 1 Two large estuarine basins linked by the channel which divides Hayling Island from the main Hampshire coastline. The site includes intertidal mudflats, saltmarsh, sand and shingle spits and sand dunes.

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



10.3 Special Areas of Conservation (SAC)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 82 >](#)

ID	Location	Name	Features of interest	Habitat description	Data source
2	691m 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

4

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 82 >](#)

ID	Location	Name	Species of interest	Habitat description	Data source
1	335m S	Chichester and Langstone Harbours	Common shelduck; Eurasian wigeon; Eurasian teal; Northern pintail; Northern shoveler; Red-breasted merganser; Ringed plover; Grey plover; Sanderling; Bar-tailed godwit; Eurasian curlew; Common redshank; Ruddy turnstone; Sandwich tern; Common tern; Little tern; Dunlin; Dark-bellied brent goose	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water); Heath, Scrub, Maquis and Garrigue, Phygrana; Humid grassland, Mesophile grassland; Coastal sand dunes, Sand beaches, Machair; Salt marshes, Salt pastures, Salt steppes; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England



ID	Location	Name	Species of interest	Habitat description	Data source
3	800m SE	Chichester and Langstone Harbours	Common shelduck; Eurasian wigeon; Eurasian teal; Northern pintail; Northern shoveler; Red-breasted merganser; Ringed plover; Grey plover; Sanderling; Bar-tailed godwit; Eurasian curlew; Common redshank; Ruddy turnstone; Sandwich tern; Common tern; Little tern; Dunlin; Dark-bellied brent goose	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water); Heath, Scrub, Maquis and Garrigue, Phygrana; Humid grassland, Mesophile grassland; Coastal sand dunes, Sand beaches, Machair; Salt marshes, Salt pastures, Salt steppes; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
4	1174m S	Chichester and Langstone Harbours	Common shelduck; Eurasian wigeon; Eurasian teal; Northern pintail; Northern shoveler; Red-breasted merganser; Ringed plover; Grey plover; Sanderling; Bar-tailed godwit; Eurasian curlew; Common redshank; Ruddy turnstone; Sandwich tern; Common tern; Little tern; Dunlin; Dark-bellied brent goose	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water); Heath, Scrub, Maquis and Garrigue, Phygrana; Humid grassland, Mesophile grassland; Coastal sand dunes, Sand beaches, Machair; Salt marshes, Salt pastures, Salt steppes; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
5	1258m S	Chichester and Langstone Harbours	Common shelduck; Eurasian wigeon; Eurasian teal; Northern pintail; Northern shoveler; Red-breasted merganser; Ringed plover; Grey plover; Sanderling; Bar-tailed godwit; Eurasian curlew; Common redshank; Ruddy turnstone; Sandwich tern; Common tern; Little tern; Dunlin; Dark-bellied brent goose	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water); Heath, Scrub, Maquis and Garrigue, Phygrana; Humid grassland, Mesophile grassland; Coastal sand dunes, Sand beaches, Machair; Salt marshes, Salt pastures, Salt steppes; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Broad-leaved deciduous woodland; 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 82 >](#)

ID	Location	Name	Data source
-	1302m S	West Hayling	Natural England
-	1304m S	Hayling Billy	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m**0**

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

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

10.8 Biosphere Reserves

Records within 2000m**0**

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

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



10.9 Forest Parks

Records within 2000m**0**

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m**0**

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

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

10.11 Green Belt

Records within 2000m**0**

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

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

10.12 Proposed Ramsar sites

Records within 2000m**0**

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

5

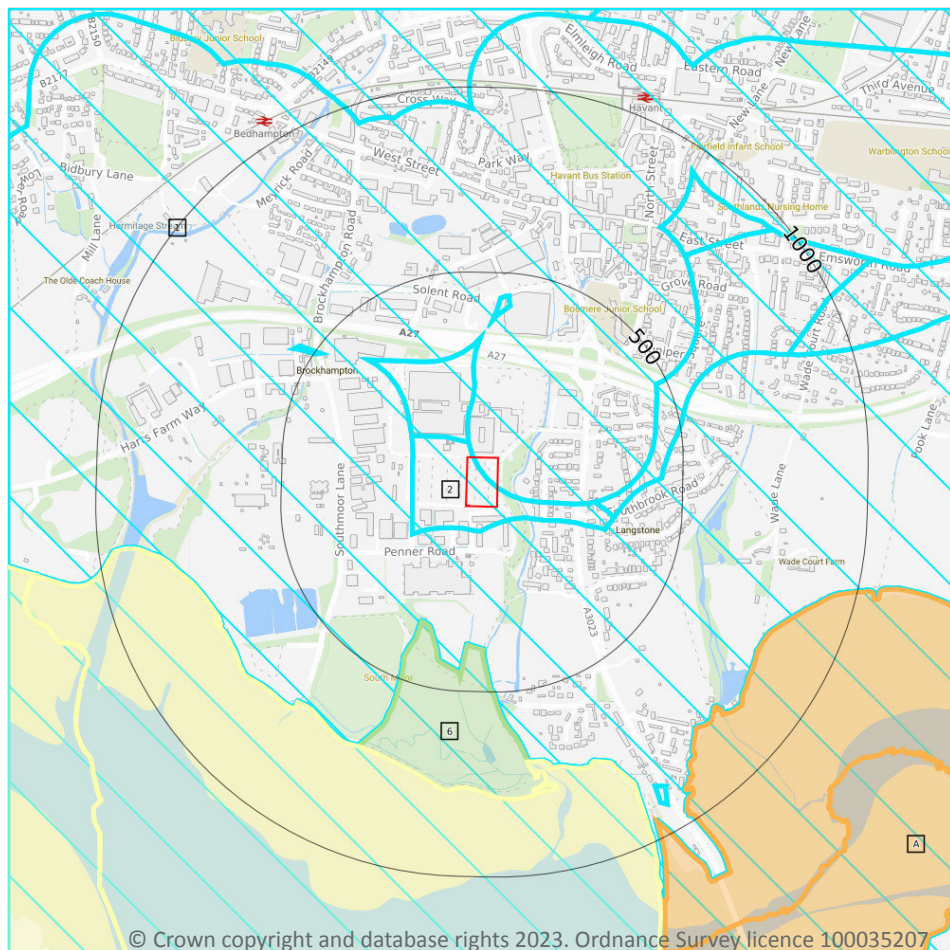
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Chichester,Langstone and Portsmouth Harbours Eutrophic NVZ (TraC)	Eutrophic Water	2	Existing
356m N	Chichester,Langstone and Portsmouth Harbours Eutrophic NVZ (TraC)	Eutrophic Water	2	Existing
1035m E	WARBLINGTON STREAM - NO.2 NVZ	Surface Water	667	Existing
1238m E	WARBLINGTON STREAM - NO.2 NVZ	Surface Water	667	Existing
1304m S	Chichester,Langstone and Portsmouth Harbours Eutrophic NVZ (TraC)	Eutrophic Water	2	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 89](#) >

ID	Location	Type of developments requiring consultation
1	On site	All applications - ALL PLANNING APPLICATIONS - EXCEPT HOUSEHOLDER APPLICATIONS. Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.
2	On site	Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. 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: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

8

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

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



ID: 6
 Location: 335m S
 SSSI name: Langstone Harbour
 Unit name: South Moor
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Curlew, Numenius arquata	Favourable	24/03/2022

ID: 9
 Location: 691m SW
 SSSI name: Langstone Harbour
 Unit name: Langstone Hbr East
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
H1110 Sandbanks which are slightly covered by sea water all the time	Favourable	29/11/2010
H1130 Estuaries	Unfavourable - Recovering	21/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	29/11/2010
H1210 Annual vegetation of drift lines	Favourable	29/11/2010
H1220 Perennial vegetation of stony banks	Favourable	29/11/2010
H1310 Salicornia and other annuals colonising mud and sand	Unfavourable - Recovering	29/11/2010
H1320 Spartina swards (Spartinion maritima)	Unfavourable - Recovering	29/11/2010
H1330 Atlantic salt meadows (Glaucopuccinellietalia maritima)	Unfavourable - Recovering	29/11/2010
SM4-28 - Saltmarsh	Unfavourable - Recovering	29/11/2010

ID: 11
 Location: 800m SE
 SSSI name: Chichester Harbour
 Unit name: Warblington / Emsworth Foreshore
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Unfavourable - No change	26/09/2018
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	Favourable	29/11/2010
H1310 Salicornia and other annuals colonising mud and sand	Unfavourable - Recovering	29/11/2010
H1320 Spartina swards (Spartinion maritimae)	Unfavourable - Recovering	29/11/2010
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Unfavourable - Declining	07/04/2021
Littoral sediment	Unfavourable - Recovering	13/08/2014
SM4-28 - Saltmarsh	Unfavourable - Declining	07/04/2021

ID: 15
 Location: 1101m SW
 SSSI name: Langstone Harbour
 Unit name: North Binness Island
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
H1110 Sandbanks which are slightly covered by sea water all the time	Unfavourable - Recovering	29/10/2010
H1130 Estuaries	Unfavourable - Recovering	21/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	29/10/2010
H1210 Annual vegetation of drift lines	Unfavourable - Recovering	29/10/2010
H1220 Perennial vegetation of stony banks	Unfavourable - Recovering	29/10/2010
H1310 Salicornia and other annuals colonising mud and sand	Unfavourable - Recovering	29/10/2010
H1320 Spartina swards (Spartinion maritimae)	Unfavourable - Recovering	29/10/2010
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Unfavourable - Recovering	29/10/2010
SM4-28 - Saltmarsh	-	-

ID: A
 Location: 1178m SE
 SSSI name: Chichester Harbour
 Unit name: Northney Foreshore
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Unfavourable - No change	26/09/2018
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 - Declining	07/04/2021
Littoral sediment	Unfavourable - Recovering	13/08/2014
SM4-28 - Saltmarsh	Unfavourable - Declining	07/04/2021

ID: -
 Location: 1530m E
 SSSI name: Warblington Meadow
 Unit name: 1
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	-	-
SM4-28 - Saltmarsh	Favourable	28/11/2019

ID: -
 Location: 1542m S
 SSSI name: Langstone Harbour
 Unit name: Langstone Oyster Beds
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering



Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Favourable	21/09/2018
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	29/10/2010
H1150 Coastal lagoons	Unfavourable - Recovering	29/10/2010
H1210 Annual vegetation of drift lines	Unfavourable - Recovering	29/10/2010
H1220 Perennial vegetation of stony banks	Unfavourable - Recovering	29/10/2010
H1310 Salicornia and other annuals colonising mud and sand	Unfavourable - Recovering	29/10/2010
H1320 Spartina swards (Spartinion maritimae)	Unfavourable - Recovering	29/10/2010
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Unfavourable - Recovering	29/10/2010
SM4-28 - Saltmarsh	Unfavourable - Recovering	29/10/2010

ID: -
 Location: 1833m S
 SSSI name: Langstone Harbour
 Unit name: Hayling Halt Landfill
 Broad habitat: Arable And Horticulture
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Bar-tailed godwit, Limosa lapponica - A157, nb	Unfavourable - Recovering	03/01/2013
Common tern, Sterna hirundo - A193, b	Unfavourable - Recovering	03/01/2013
Dark-bellied Brent goose, Branta bernicla bernicla - A675, nb	Unfavourable - Recovering	03/01/2013
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - Recovering	03/01/2013
Grey plover, Pluvialis squatarola - A141, nb	Unfavourable - Recovering	03/01/2013
Little tern, Sterna albifrons - A195, b	Unfavourable - Recovering	03/01/2013
Pintail, Anas acuta - A054, nb	Unfavourable - Recovering	03/01/2013
Red-breasted merganser, Mergus serrator - A069, nb	Unfavourable - Recovering	03/01/2013
Sanderling, Calidris alba - A144, nb	Unfavourable - Recovering	03/01/2013
Sandwich tern, Thalasseus sandvicensis - A191, b	Unfavourable - Recovering	03/01/2013
Shoveler, Spatula clypeata - A056, nb	Unfavourable - Recovering	03/01/2013



Feature name	Feature condition	Date of assessment
Turnstone, <i>Arenaria interpres</i> - A169, nb	Unfavourable - Recovering	03/01/2013
Wigeon, <i>Mareca penelope</i> - A050, nb	Unfavourable - Recovering	03/01/2013

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

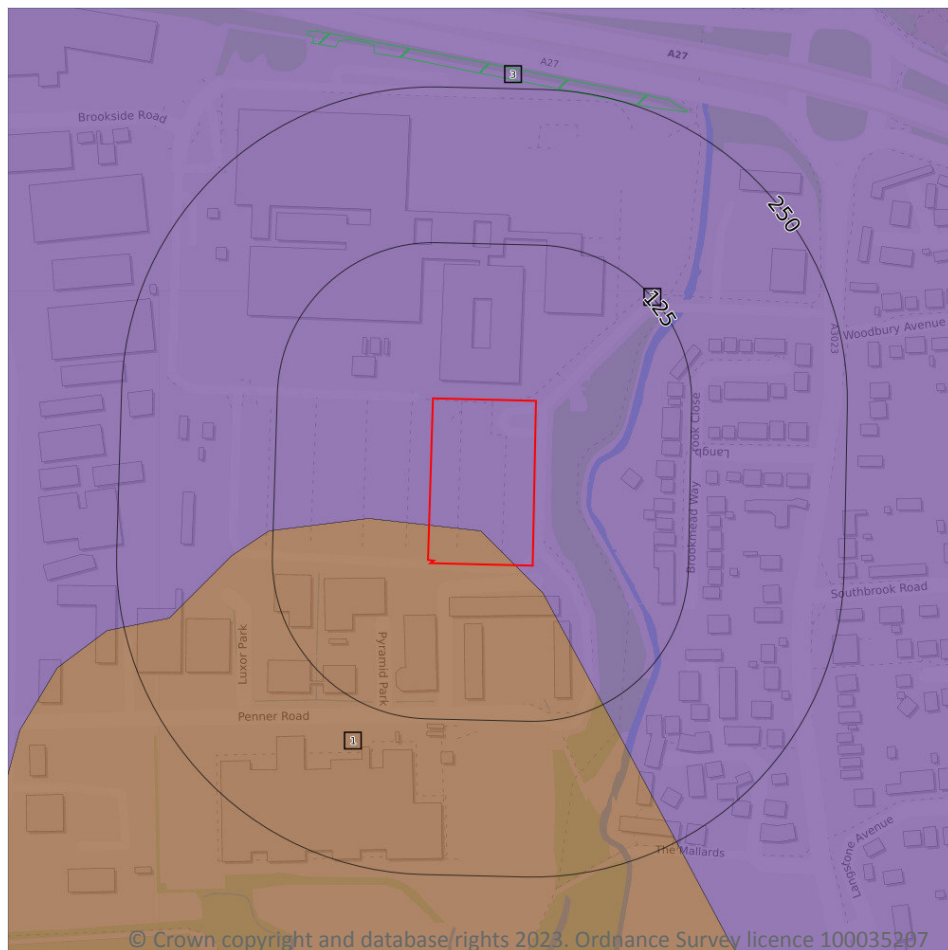
0

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

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



12 Agricultural designations



- 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 98](#) >

ID	Location	Classification	Description
1	On site	Grade 1	Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.
2	On site	Urban	-



This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

1

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.

Features are displayed on the Agricultural designations map on [page 98](#) >

ID	Location	Description	Reference	Application date
3	249m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-

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

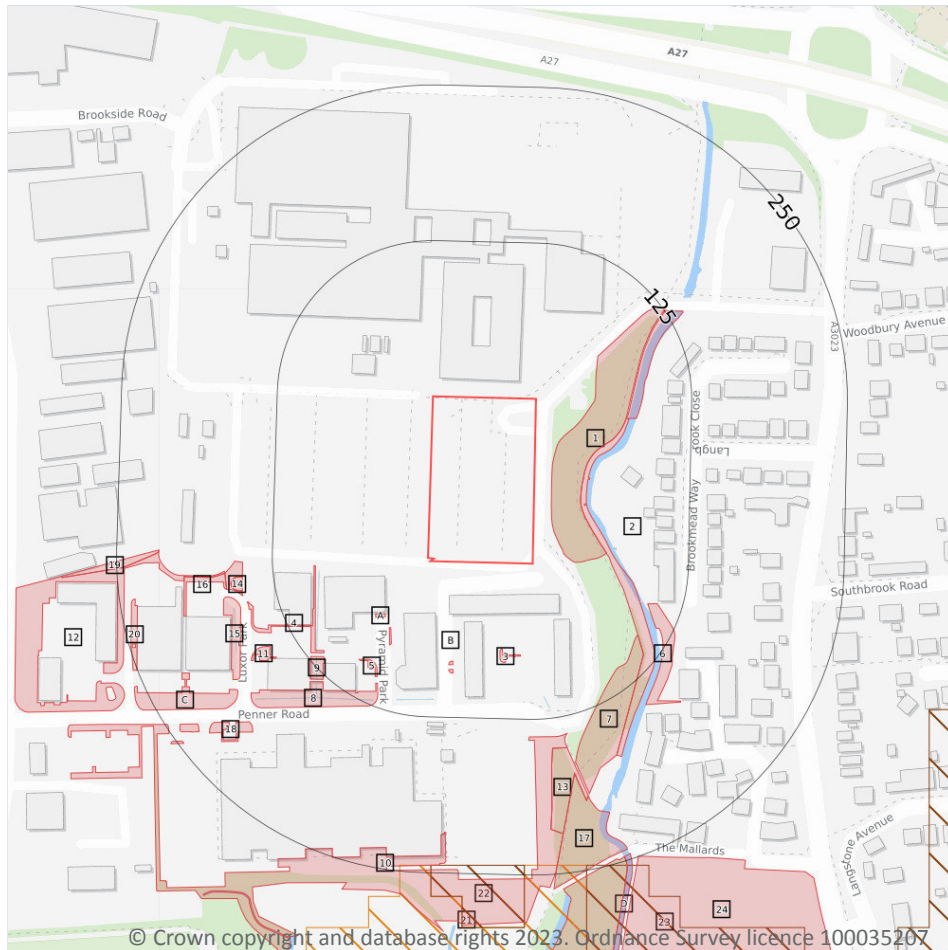
0

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

31

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 100](#) >

ID	Location	Main Habitat	Other habitats
1	14m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	38m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	56m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
B	61m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)



ID	Location	Main Habitat	Other habitats
A	62m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
3	69m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
B	80m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
B	86m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
4	91m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
5	93m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
6	98m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	102m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	107m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
9	115m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
10	139m S	No main habitat but additional habitats present	Additional: CFPGM (INV 50%)
11	146m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
12	149m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
13	149m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	150m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
15	156m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
16	164m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
17	172m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	186m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
18	194m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
19	216m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
C	228m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
20	236m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
D	246m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
C	246m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
D	246m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
24	250m SE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (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 100](#) >

ID	Location	Type	Habitat
21	242m S	Network Enhancement Zone 1	Not specified
22	242m S	Network Enhancement Zone 2	Not specified
23	246m S	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

2

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.

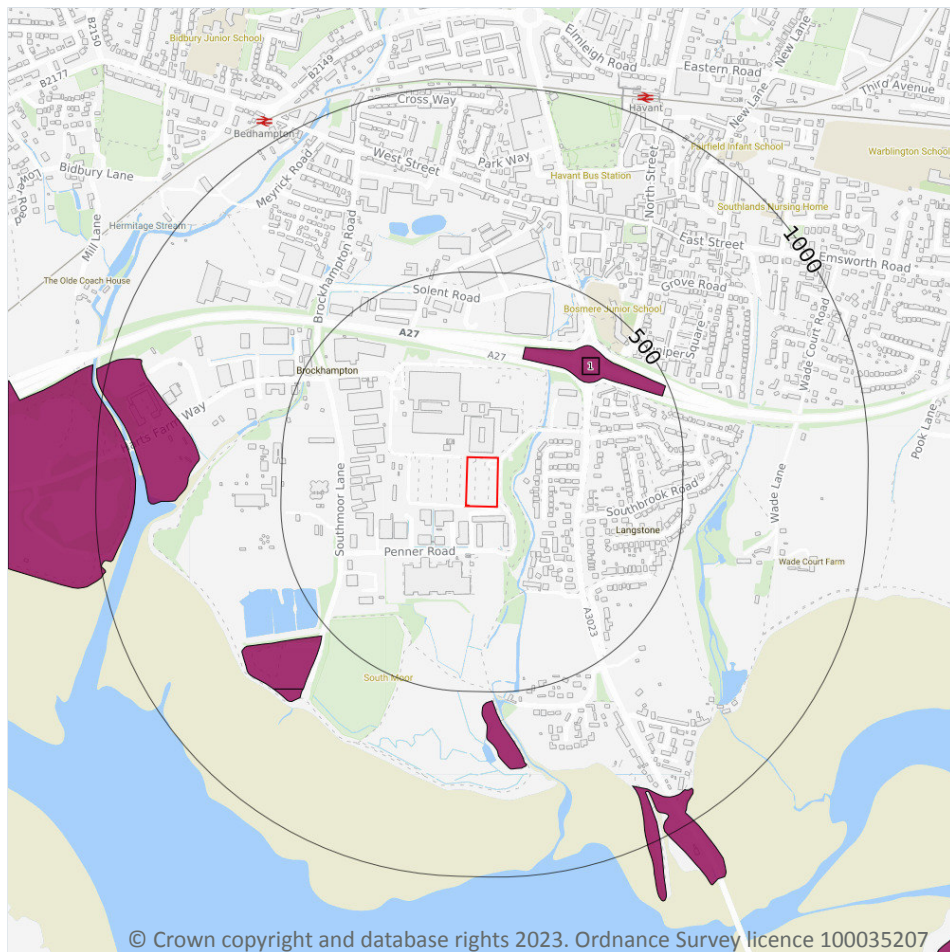
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 103](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU70NW
2	492m S	Full	Full	Full	No coverage	SU70SW

This data is sourced from the British Geological Survey.



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



— Site Outline
Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

1

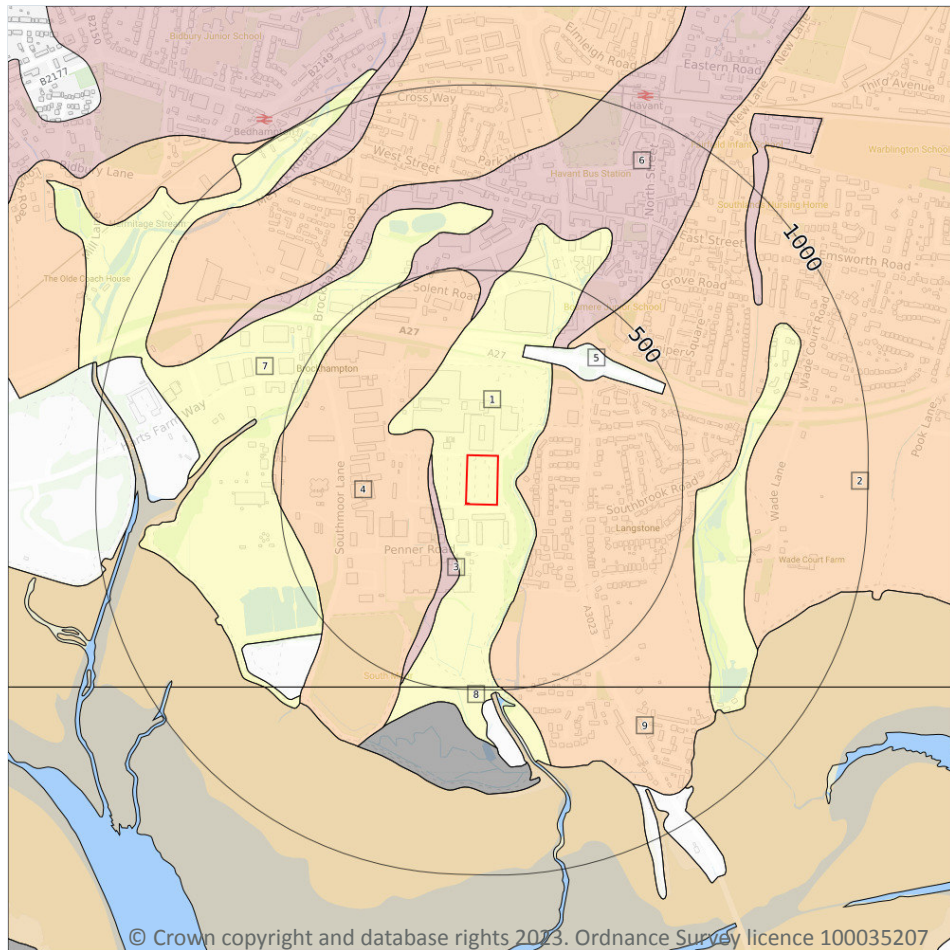
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

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

ID	Location	LEX Code	Description	Rock description
1	276m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

9

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 105 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
2	50m E	RTDU-XSZC	River Terrace Deposits (undifferentiated) - Sand, Silt And Clay	Sand, Silt And Clay
3	72m SW	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel



ID	Location	LEX Code	Description	Rock description
4	91m SW	RTDU-XSZC	River Terrace Deposits (undifferentiated) - Sand, Silt And Clay	Sand, Silt And Clay
5	276m N	SUPD-SED	Superficial Deposits - Sediment	Sediment
6	329m NE	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
7	453m SW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
8	492m S	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
9	492m S	RTDU-XSZC	River Terrace Deposits (undifferentiated) - Sand, Silt And Clay	Sand, Silt And Clay

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

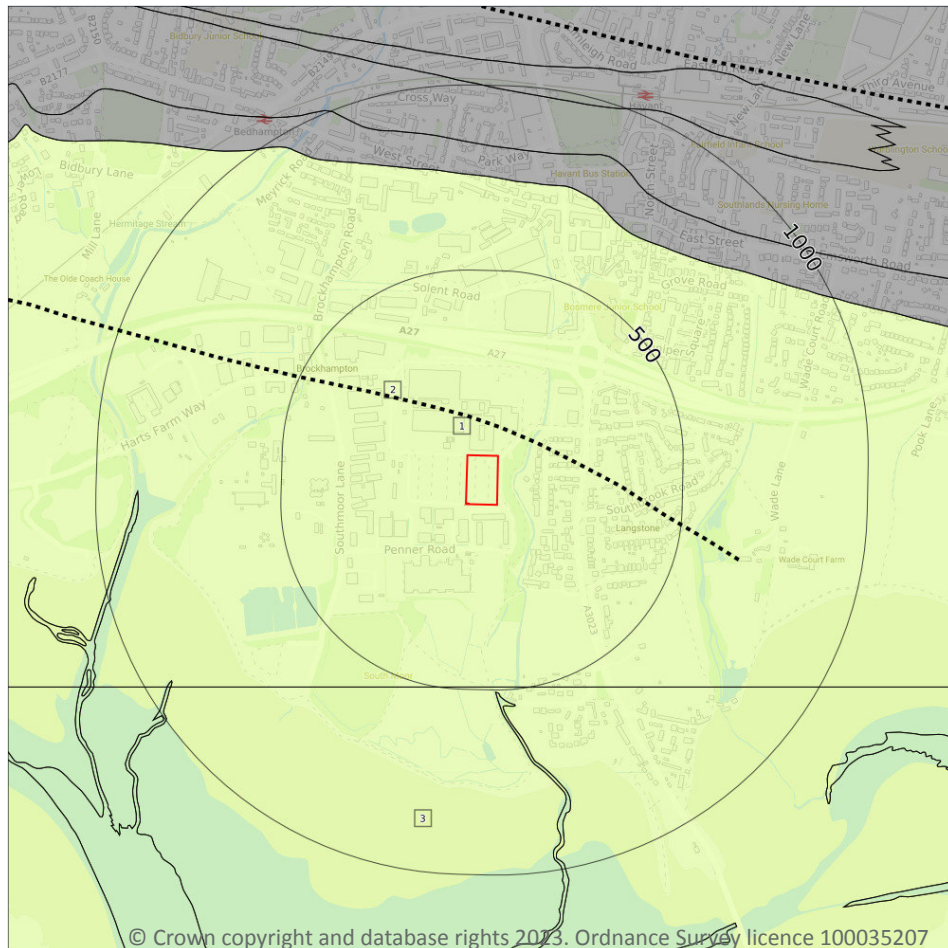
0

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 107 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	LPCK-CHLK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown Chalk Formation (undifferentiated) - Chalk	Campanian Age - Turonian Age



ID	Location	LEX Code	Description	Rock age
3	492m S	LPCK-CHLK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown Chalk Formation (undifferentiated) - Chalk	Campanian Age - Turonian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 107](#) >

ID	Location	Category	Description
2	73m NE	FOLD_AXIS	Axial plane trace of major anticline

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.

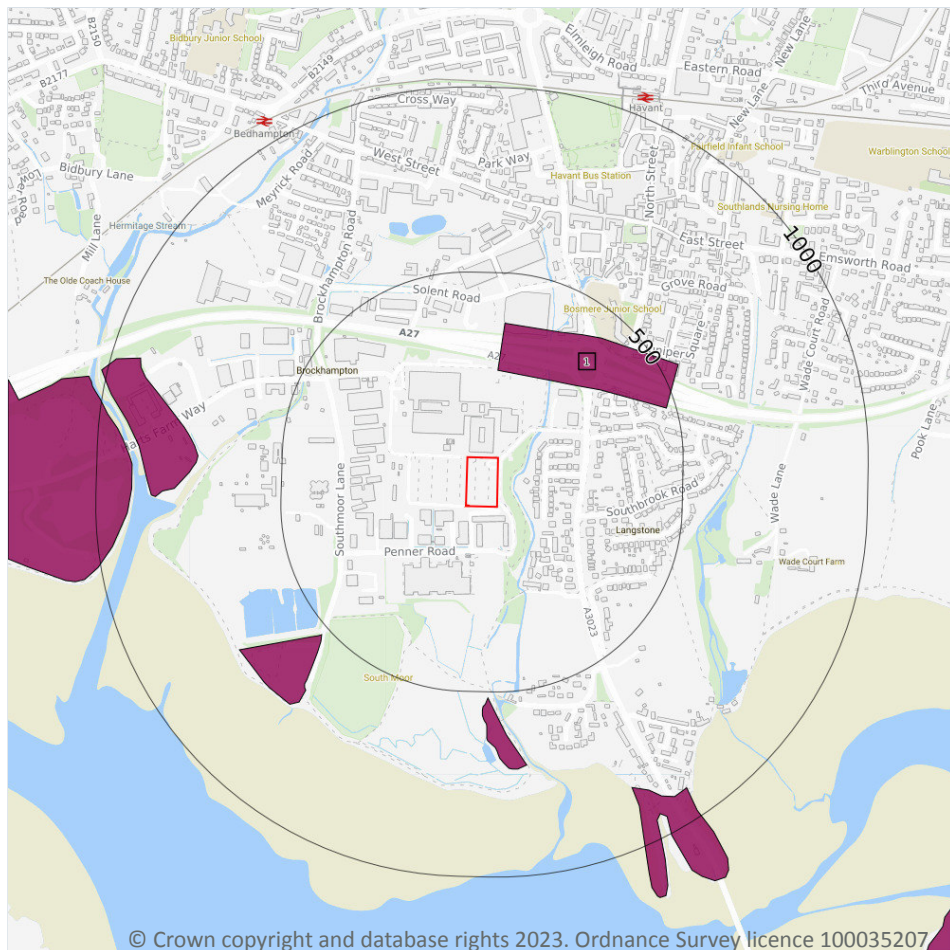
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 109](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW316_fareham_v4

This data is sourced from the British Geological Survey.



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



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

15.2 Artificial and made ground (50k)

Records within 500m

1

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.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 110](#) >

ID	Location	LEX Code	Description	Rock description
1	232m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

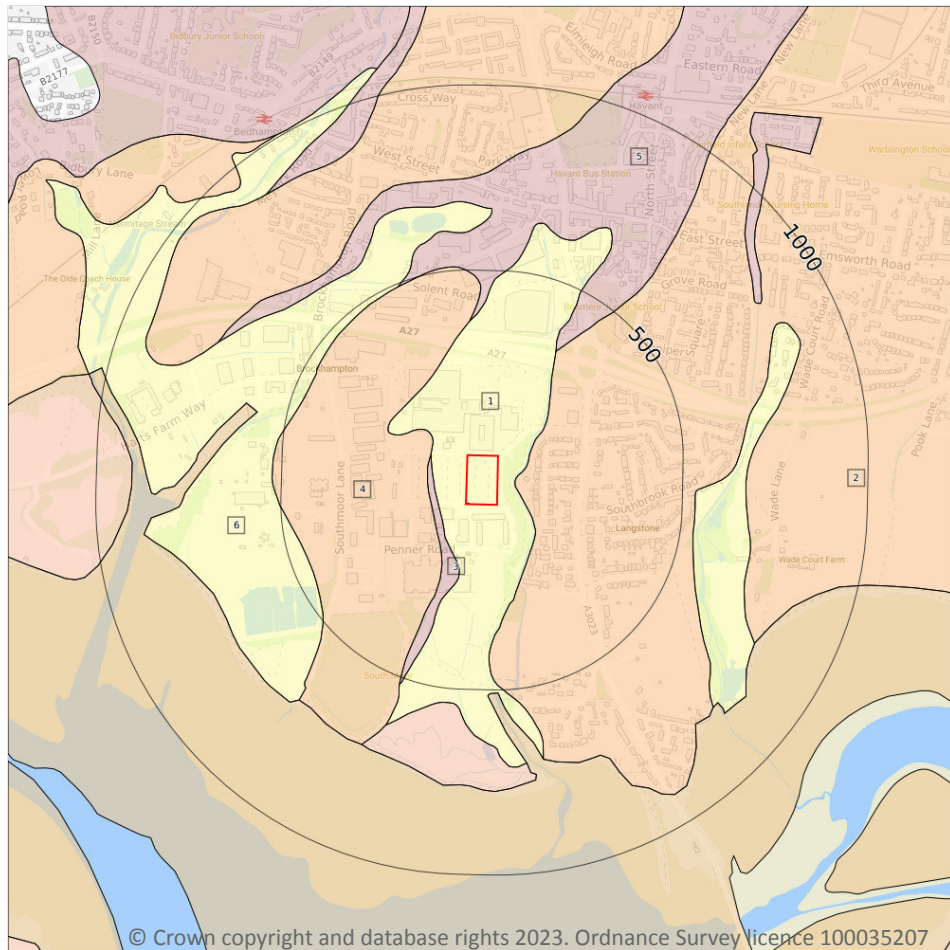
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

6

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

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

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	47m E	RTDU-XSZC	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY
3	73m SW	HEAD-XCV	HEAD	CLAY AND GRAVEL
4	92m SW	RTDU-XSZC	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY



ID	Location	LEX Code	Description	Rock description
5	323m NE	HEAD-XCV	HEAD	CLAY AND GRAVEL
6	452m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, 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	High	Very Low
47m E	Intergranular	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

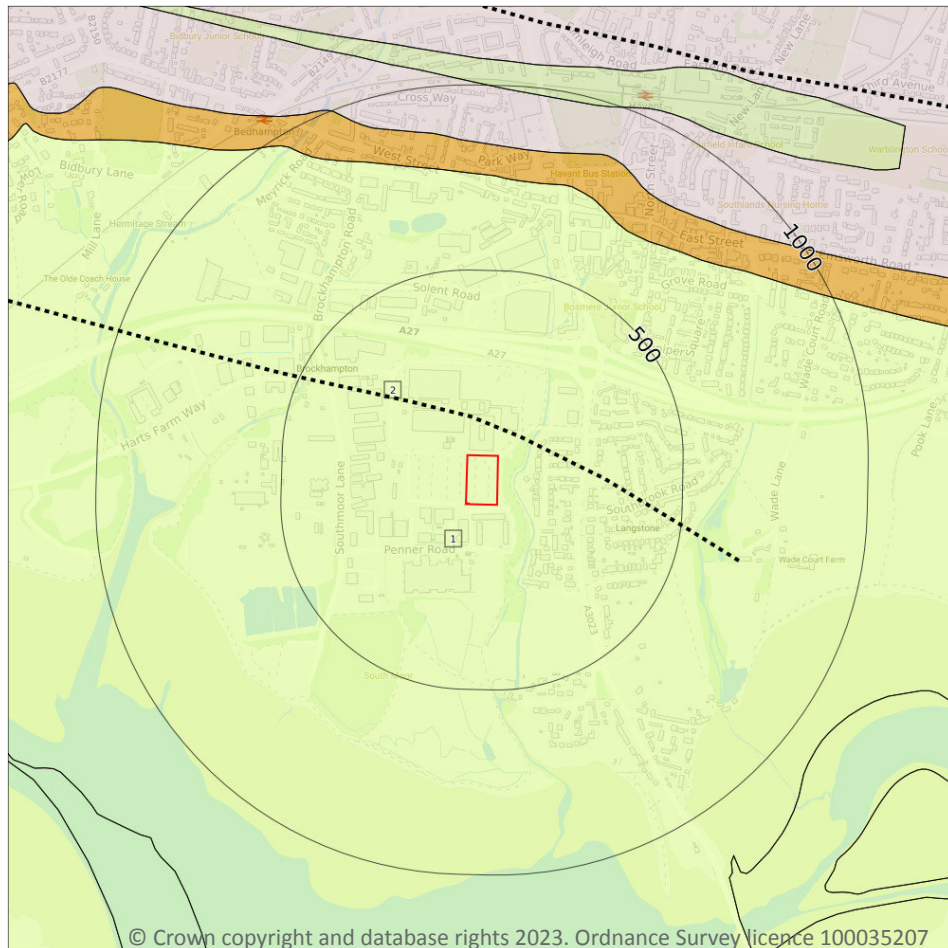
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 114](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	LPCK-CHLK	LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION, NEWHAVEN CHALK FORMATION, CULVER CHALK FORMATION AND PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

1

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

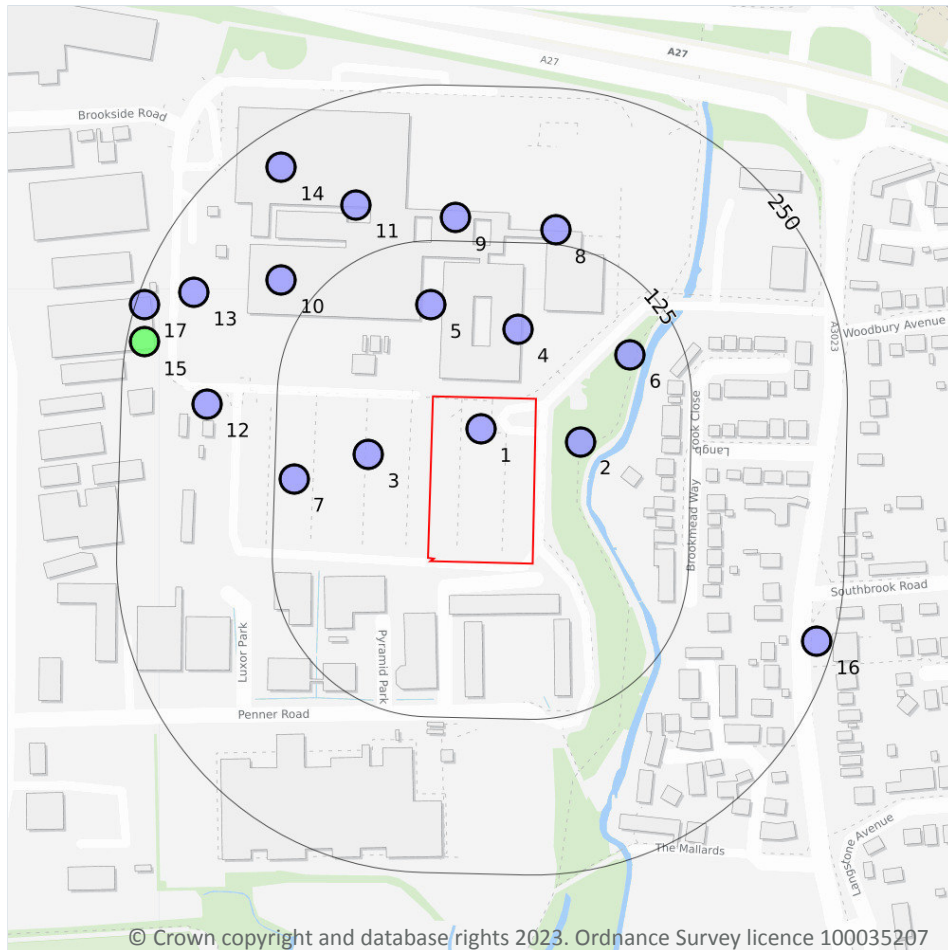
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 114 >](#)

ID	Location	Category	Description
2	71m NE	FOLD_AXIS	Axial plane trace of major anticline

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

17

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 116](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	471340 105600	BROOKSIDE ROAD DEVELOPMENT BH4	8.5	N	425489 ↗
2	36m E	471420 105590	BROOKSIDE ROAD DEVELOPMENT BH5	5.2	N	425490 ↗
3	50m W	471250 105580	BROOKSIDE ROAD DEVELOPMENT BH3	4.87	N	425488 ↗

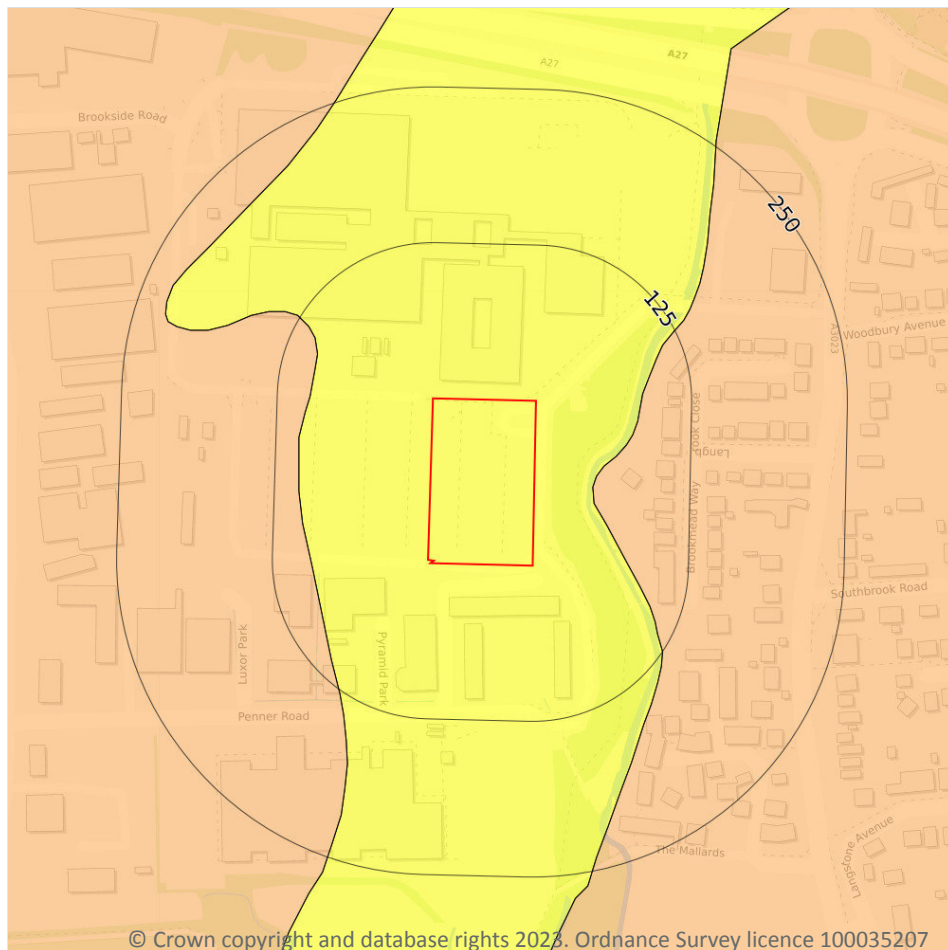


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	55m N	471370 105680	BROOKSIDE ROAD DEVELOPMENT BH9	5.79	N	425494 ↗
5	74m N	471300 105700	BROOKSIDE ROAD DEVELOPMENT BH8	4.57	N	425493 ↗
6	84m NE	471460 105660	BROOKSIDE ROAD DEVELOPMENT BH10	5.02	N	425495 ↗
7	110m W	471190 105560	BROOKSIDE ROAD DEVELOPMENT BH2	5.8	N	425487 ↗
8	137m N	471400 105760	BROOKSIDE ROAD DEVELOPMENT BH14	4.87	N	425499 ↗
9	144m N	471320 105770	BROOKSIDE ROAD DEVELOPMENT BH13	6.09	N	425498 ↗
10	154m NW	471180 105720	BROOKSIDE ROAD DEVELOPMENT BH7	4.57	N	425492 ↗
11	166m NW	471240 105780	BROOKSIDE ROAD DEVELOPMENT BH12	6.09	N	425497 ↗
12	181m W	471120 105620	BROOKSIDE ROAD DEVELOPMENT BH1	5.8	N	425486 ↗
13	209m NW	471110 105710	BROOKSIDE ROAD DEVELOPMENT BHB6	5.6	N	425491 ↗
14	220m NW	471180 105810	BROOKSIDE ROAD DEVELOPMENT BH11	9.14	N	425496 ↗
15	236m W	471070 105670	IBM SITE SOUTHMOOR LANE HAVANT 1	25.0	N	17566426 ↗
16	237m SE	471610 105430	29 LANGSTONE ROAD HAVANT TP1	2.6	N	17564342 ↗
17	243m NW	471070 105700	IBM SITE SOUTHMOOR LANE HAVANT TP1	2.0	N	17566428 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

2

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

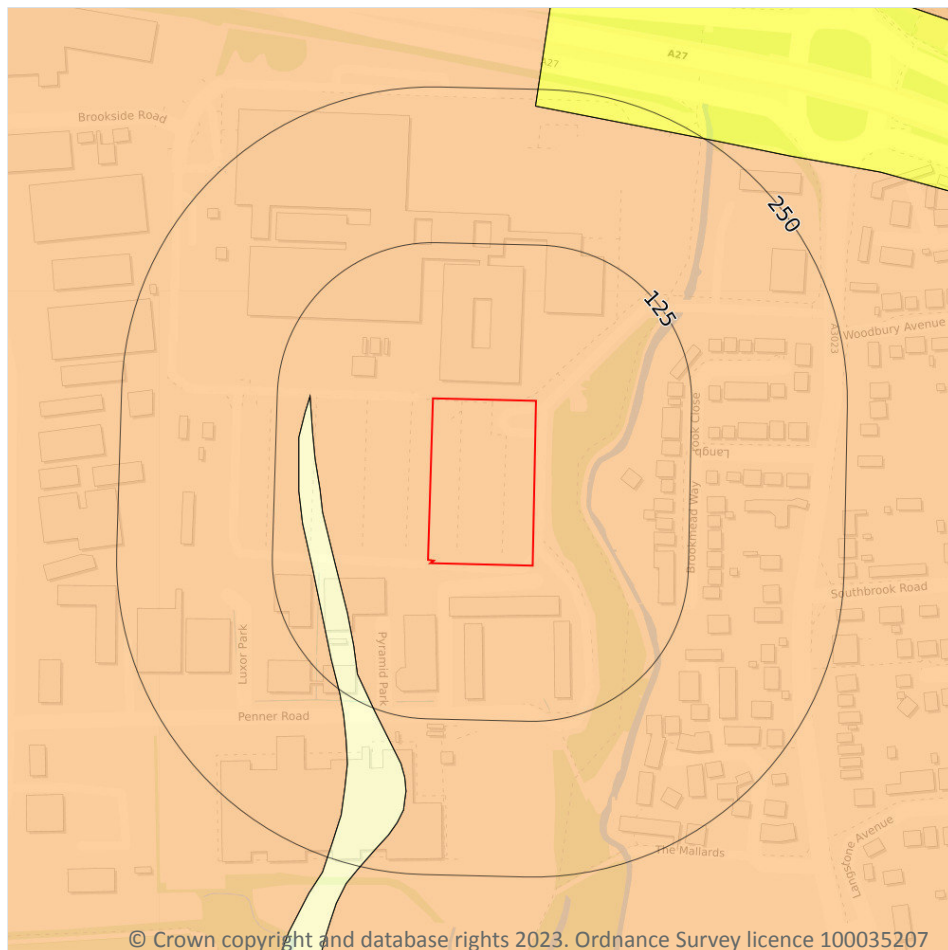
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 118 >](#)

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
47m E	Low	Ground conditions predominantly medium plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

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.

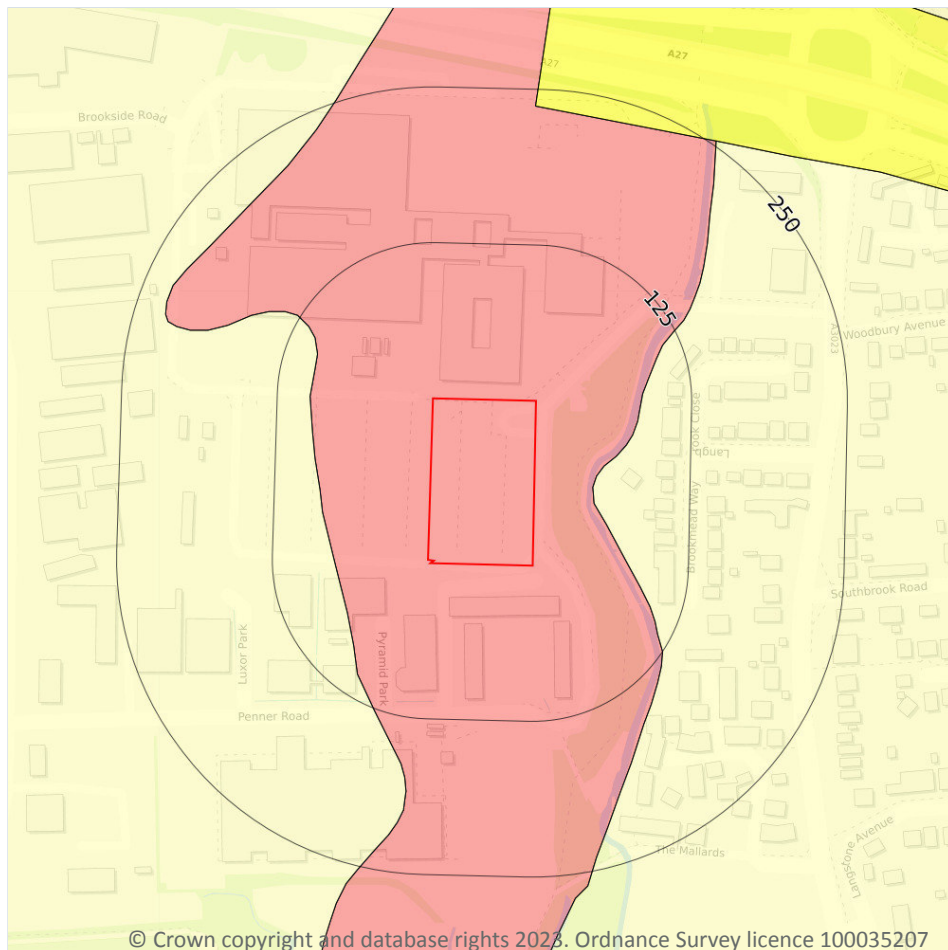
Features are displayed on the Natural ground subsidence - Running sands map on [page 119 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

2

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

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

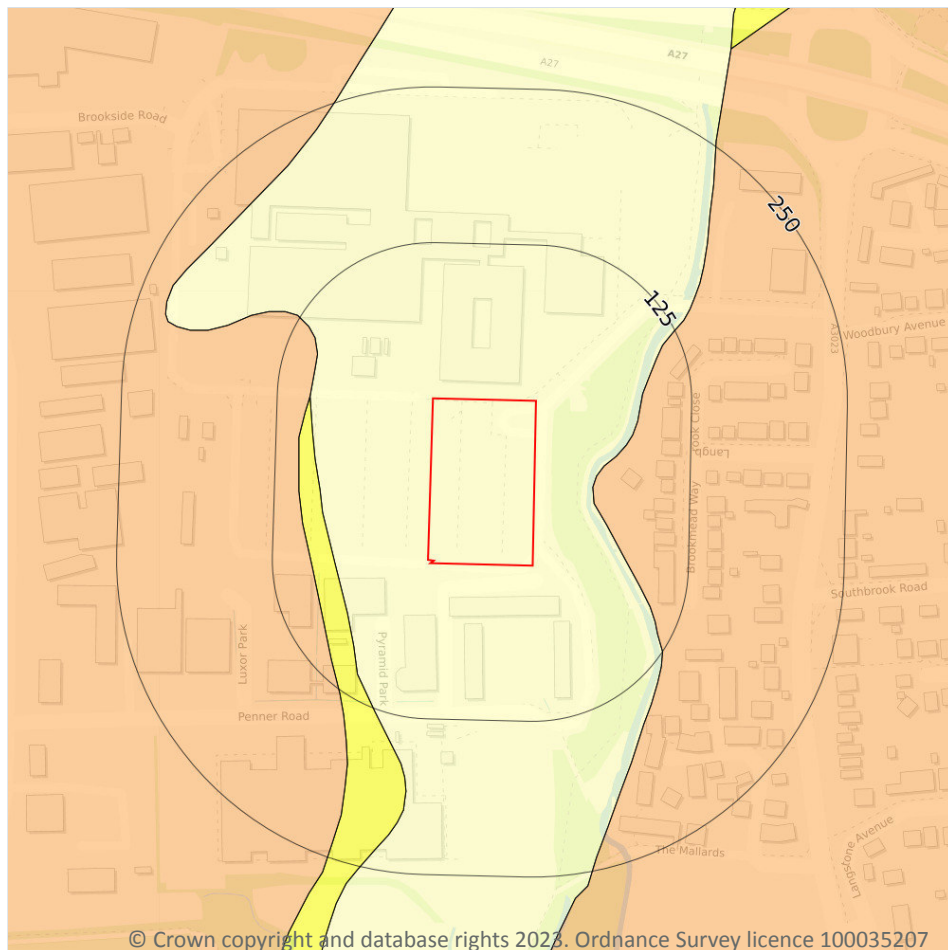
Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
47m E	Negligible	Compressible strata are not thought to occur.



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

17.4 Collapsible deposits

Records within 50m

2

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

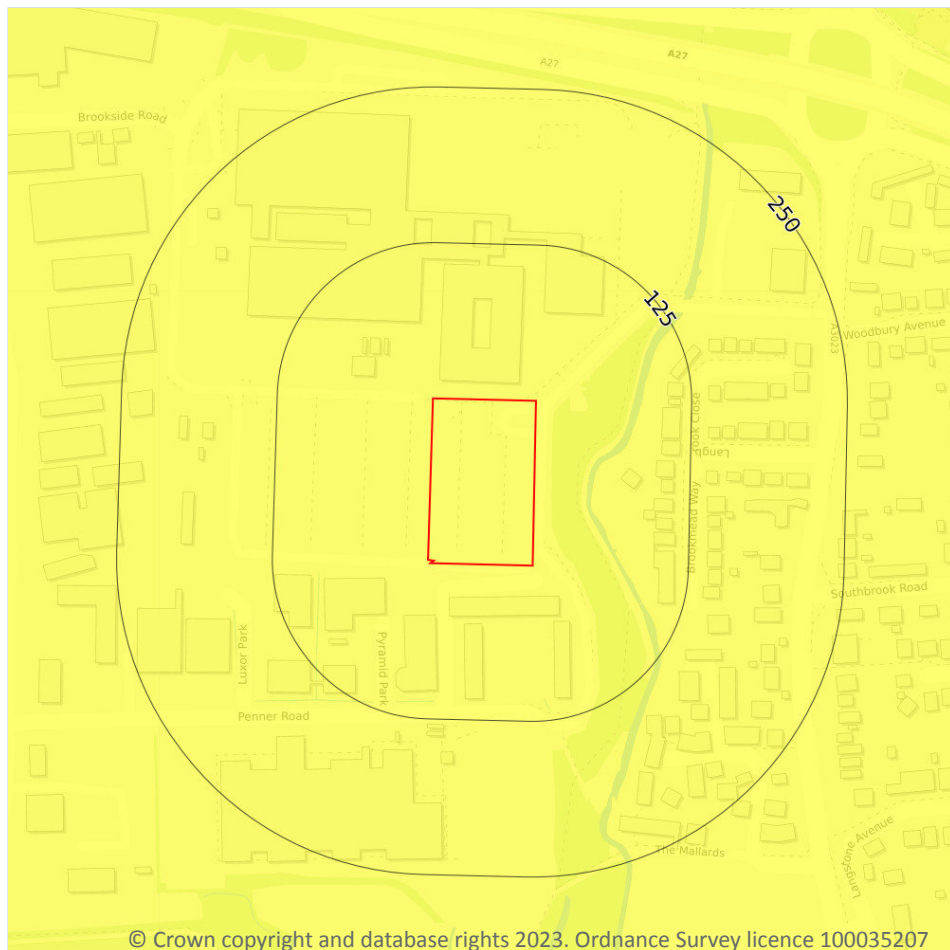
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 122 >](#)

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
47m E	Low	Deposits with potential to collapse when loaded and saturated are possibly present in places.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- 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.

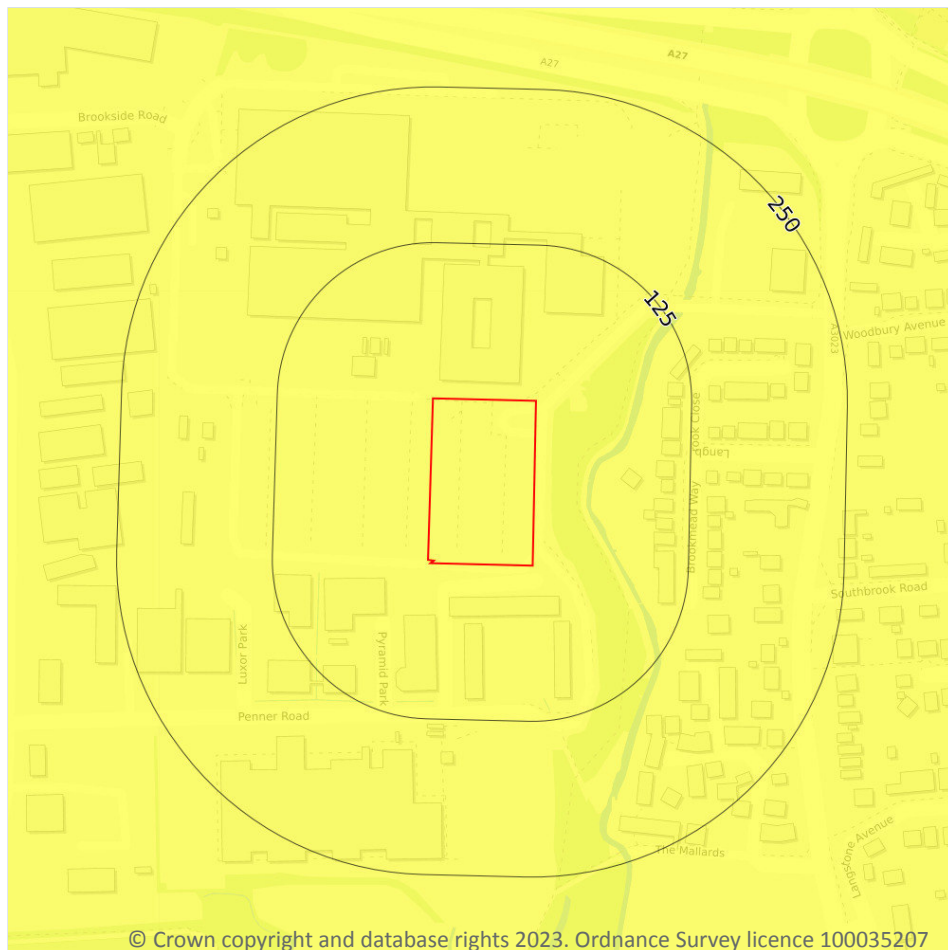
Features are displayed on the Natural ground subsidence - Landslides map on [page 123 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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

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 124](#) >

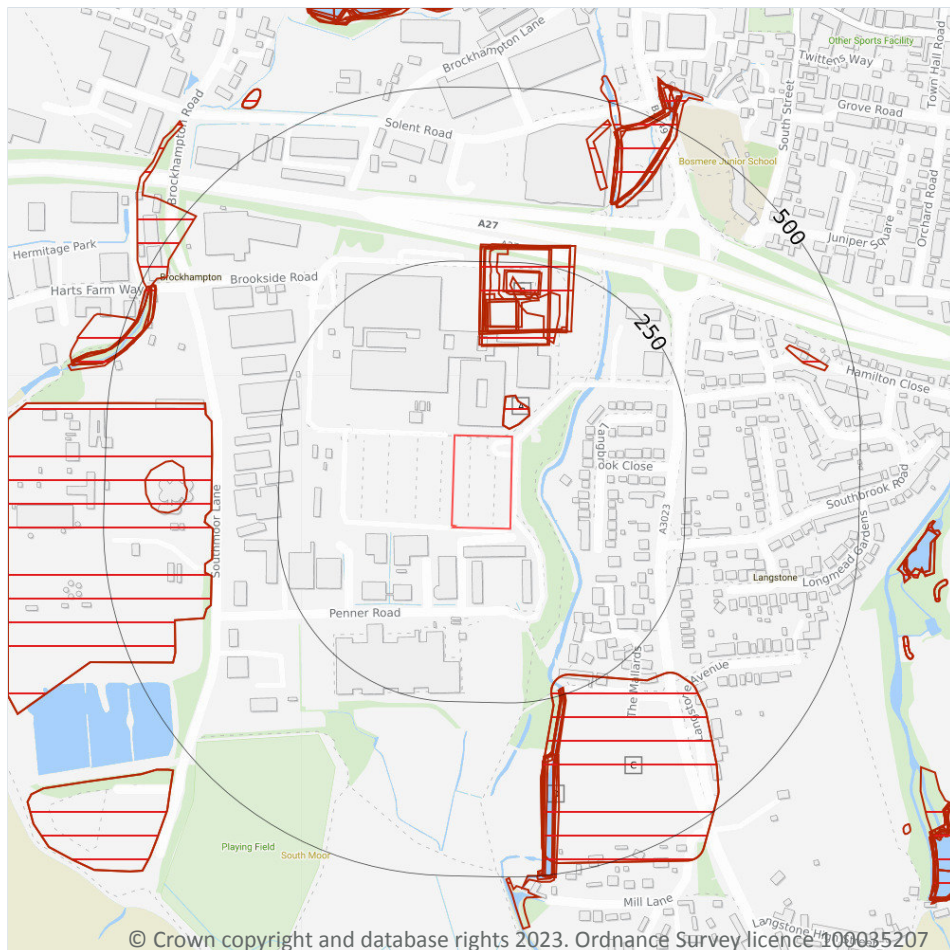
Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



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

18.1 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

23

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

Features are displayed on the Mining and ground workings map on [page 126 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	11m NE	Unspecified Heap	1991	1:10000
A	11m NE	Unspecified Heap	1973	1:10000
B	129m N	Sewage Works	1914	1:10560
B	131m N	Sewage Works	1907	1:10560
B	146m N	Sewage Works	1942	1:10560
B	146m N	Sewage Works	1931	1:10560
B	147m NE	Unspecified Ground Workings	1973	1:10000
B	149m N	Pond	1914	1:10560
B	150m N	Sewage Works	1932	1:10560
B	150m N	Sewage Works	1931	1:10560
B	151m N	Pond	1907	1:10560
B	156m N	Ponds	1932	1:10560
B	158m N	Ponds	1931	1:10560
B	204m N	Ponds	1914	1:10560
B	208m N	Filter Beds	1907	1:10560
C	224m S	Water Body	1942	1:10560
C	224m S	Water Body	1931	1:10560
D	241m S	Water Body	1931	1:10560
D	241m S	Water Body	1898	1:10560
D	241m S	Water Body	1896	1:10560
D	241m S	Water Body	1914	1:10560
D	241m S	Water Body	1932	1:10560
D	249m S	Water Body	1866	1:10560



This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

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 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.



18.11 BGS mine plans

Records within 500m**0**

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site**0**

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site**0**

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

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

18.14 Gypsum areas

Records on site**0**

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site**0**

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.



18.16 Clay mining

Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

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



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

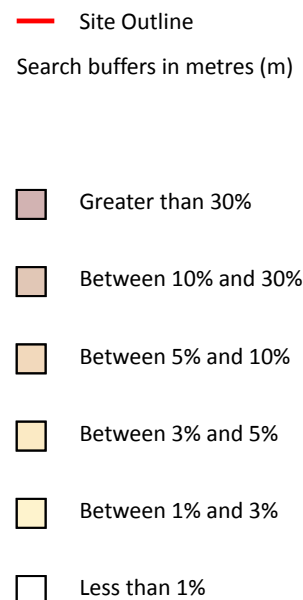
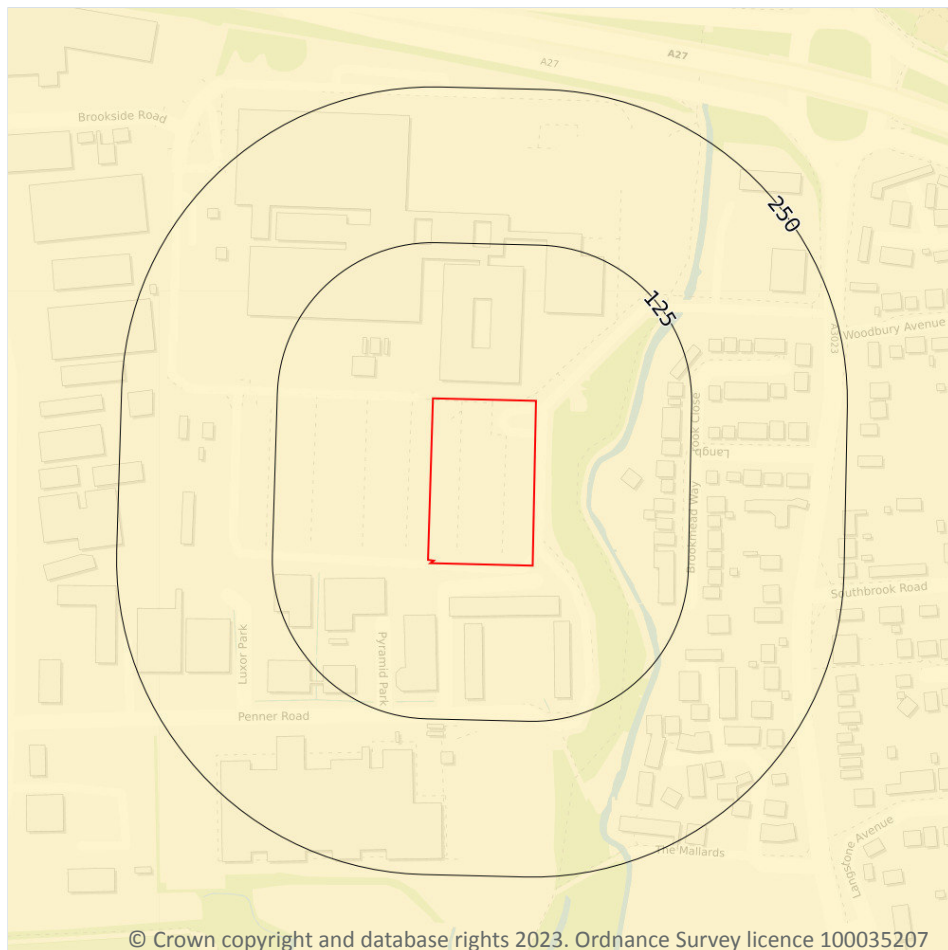
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 134 >](#)

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



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

3

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 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	60 - 90 mg/kg	15 - 30 mg/kg
47m E	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m**0**

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

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m**0**

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

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





I. B. M.

PROPOSED DEVELOPMENT AT BROOKSIDE ROAD, HAVANT, HAMPSHIRE

RECORD OF BOREHOLE No. 4

Type of Boring Shell and auger
Dia. of boring 8 in. to 28 ft.
Lining tubes 8 in. to 27 ft.

SU70NW/107
7134 0560

Ground level 15.2' O.D.
Date started 11-11-88
Date completed 12-11-88

Date and Depth of Boring	Depth of Casing	Water Level	Samples		Change of Strata		Description of Strata
			Depth	Type	Legend	Depth	
11-11-88	nil		1' 6"	D		1' 6"	Topsoil
3' 9"	nil	x	2' 6" - 3' 6"	C(20)		3' 9"	Firm dark grey calcareous silty CLAY with gravel
4' 0"			5' 0" - 6' 0"	C(45)			Dense flint GRAVEL with grey sand
6' 0"	6' 0"	6' 0"	6' 0" - 7' 0"	C(81)		6' 0"	
9' 6"			10' 6" - 11' 6"	C(25)		11' 6"	Very dense flint GRAVEL with some brown clayey fine sand
12' 0"			12' 0"	D		12' 0"	
13' 0"			13' 0" - 14' 0"	S(16)		14' 0"	Firm light grey CLAY and brown sandy CLAY with traces of chalk
14' 0"			15' 0" - 16' 0"	C(29)			
16' 6"			17' 6" - 18' 6"	C(30)			
20' 6"	18' 6"	12' 0"	19' 0" - 20' 6"	U4(28)			Chalk COBBLES in a matrix of firm putty chalk with occasional flints
22' 0"	20' 0"	5' 6"	21' 0" - 22' 0"	C(18)			
			24' 0" - 25' 0"	C(12)			
26' 0"	24' 0"	9' 0"	27' 0" - 28' 0"	C(21)			
	27' 0"						
END OF BOREHOLE Depth: 28ft Elevation: -14' O.D. R.J.W. 20.10.83							
Key x denotes ground-water first encountered U4() .. 4 in. dia. undisturbed sample U1() .. 1 1/2 in. .. D .. disturbed sample S .. bulk sample W .. water sample S() .. standard penetration test C() .. cone penetration test (24) .. number of blows .. sample not recovered				Remarks			
				Scale: 1 in. = 8 Ft. FIG. 5			

Form No. 190
(Revised 9/83)

Marple Ridgway Limited

See Investigation Division

APPENDIX C

BOREHOLE LOG - CABLE PERCUSSION

CP01

Project Langstone Technology Park, Havant - Phase 2

Project No.

AG3544-23

Client Havant S.a.r.l.

Sheet

1 of 2

Start 03/11/2023

Coordinates E 471262.31 N 105607.54

Scale

1:50

End 06/11/2023

Ground Level 4.64m AOD

Total Depth

16.90m

Sample / Test Type	Depth (m)	Result	Casing Depth (m)	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install
D	0.15	PID = 0.0		4.49	(0.15)	Asphalt.			
ES	0.20				0.15	(MADE GROUND)			
PID	0.20					Grey slightly clayey slightly sandy coarse subangular to angular GRAVEL of limestone.			
D	0.60				(0.85)	(MADE GROUND - SUBBASE)			
D	1.10	N = 22	1.20	3.64	1.00	Medium dense brown very clayey slightly sandy GRAVEL. Gravel is fine to coarse subangular to rounded flint.			
C	1.20					(MADE GROUND)			
D	1.70				(1.20)				
C	2.00	N = 15	1.50	2.44	2.20	Firm light grey slightly gravelly sandy SILT/CLAY. Sand is medium to coarse subrounded chalk. Gravel is medium to coarse subangular to rounded flint.			
D	2.30					(ALLUVIUM)			
D	2.80	N = 18	3.00		(1.30)				
S	3.00								
D	3.50			1.14	3.50	Light greyish cream silty sandy GRAVEL. Gravel is fine to coarse subangular to subrounded cream chalk with occasional flint.			
B	3.60				(0.60)	(RIVER TERRACE DEPOSITS)			
C	4.10	N = 14	4.10	0.54	4.10	Structureless CHALK composed of cream silty GRAVEL and COBBLES. Clasts are extremely weak cream with occasional black specks. Matrix is cream. Grade Dc.			
D	4.30	(20)				(UNDIFFERENTIATED CHALK)			
UT	4.40								
D	5.00	N = 15	5.00						
S	5.00								
D	6.00								
D	6.50	N = 21	6.00			At 6.50m bgl: coarse gravel of flint.			
S	6.50								
B	6.95								
D	8.00	N = 28	8.00						
S	8.00								
D	9.00								
D	9.40	N = 31	9.00						
S	9.40				(11.10)				

Continued next sheet

Chiselling			Groundwater Strikes					Drilled: TS Logged: EY Checked: AS
From	To	Duration (hh:mm)	Depth Strike	Rose to	Remarks	Cased	Sealed	
			4.00	1.80		3.80		

Remarks: Hand dug service inspection pit excavated to 1.20m bgl. Water added to aid drilling from 1.20m bgl to 3.00m bgl.

Installation: 50mm diameter standpipe installed to 6.00m bgl.

Diameter: 150mm to 16.90m

Exploratory hole logs should be read in conjunction with key sheets

APPLIED GEOLOGY

BOREHOLE LOG - CABLE PERCUSSION

CP02

Project Langstone Technology Park, Havant - Phase 2

Project No.

AG3544-23

Client Havant S.a.r.l.

Sheet

1 of 2

Start 02/11/2023

Coordinates E 471335.45 N 105499.92

Scale

1:50

End 03/11/2023

Ground Level 4.33m AOD

Total Depth

17.29m

Sample / Test Type	Depth (m)	Result	Casing Depth (m)	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install
D	0.15	PID = 0.0		4.18	(0.15)	Asphalt.			
ES	0.20				0.15	(MADE GROUND)			
PID	0.20				(0.45)	Brownish grey slightly clayey slightly sandy medium to coarse subangular to angular GRAVEL of limestone.			
D	0.60			3.73	0.60	(MADE GROUND - SUBBASE)			
					(0.50)	Brown sandy gravelly CLAY. Gravel is fine to coarse angular to subrounded flint, brick, concrete and rare ash.			
D	1.10			3.23	1.10	(MADE GROUND)			
C	1.20	N = 26	1.20		(0.50)	Brown very clayey slightly sandy GRAVEL. Gravel is fine to coarse subangular to subrounded flint.			
D	1.50			2.73	1.60	(MADE GROUND)			
B	1.60					Medium dense brown slightly sandy medium to coarse subangular to subrounded GRAVEL of flint with low cobble content. Cobbles are rounded flint.			
C	2.10	N >50	2.00			(RIVER TERRACE DEPOSITS)			
B	2.30					At 2.30m to 2.50m bgl: flint cobble.			
B	2.50								
B	3.00	N = 26	3.00		(2.70)				
C	3.00								
C	4.00	N = 19	4.00						
D	4.10			0.03	4.30	Structureless CHALK composed of yellowish cream silty GRAVEL and COBBLES. Clasts are extremely weak cream with occasional black specks. Matrix is yellowish cream. Grade Dc.			
D	4.30					(UNDIFFERENTIATED CHALK)			
D	4.60	N = 18	4.60		(1.10)				
S	4.60								
D	5.40			-1.07	5.40	Structureless CHALK composed cream silty GRAVEL. Clasts are extremely weak cream with occasional black speckles and brown staining. Matrix is cream. Grade Dc.			
D	5.80					(UNDIFFERENTIATED CHALK)			
S	5.80								
D	6.60								
D	7.30	N = 24	7.30						
S	7.30								
D	8.40								
D	8.60								
S	8.60	N = 27	8.00						
D	9.50				(8.60)				
D	10.00					Continued next sheet			

Chiselling			Groundwater Strikes					Drilled: TS Logged: EY Checked: AS
From	To	Duration (hh:mm)	Depth Strike	Rose to	Remarks	Cased	Sealed	
2.30	2.50	01:00	1.60	1.40		1.50		

Remarks: Hand dug service inspection pit excavated to 1.20m bgl. Water added to aid drilling from 1.20m bgl to 1.60m bgl.

Installation: 50mm diameter standpipe installed to 5.00m bgl.

Diameter: 150mm to 17.29m

Exploratory hole logs should be read in conjunction with key sheets

APPLIED GEOLOGY

BOREHOLE LOG - CABLE PERCUSSION

CP02

Project Langstone Technology Park, Havant - Phase 2

Project No.

AG3544-23

Client Havant S.a.r.l.

Sheet

2 of 2

Start 02/11/2023

Coordinates E 471335.45 N 105499.92

Scale

1:50

End 03/11/2023

Ground Level 4.33m AOD

Total Depth

17.29m

Sample / Test Type	Depth (m)	Result	Casing Depth (m)	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install
S	10.00	N = 30	9.00			Structureless CHALK composed cream silty GRAVEL. Clasts are extremely weak cream with occasional black speckles and brown staining. Matrix is cream. Grade Dc. (UNDIFFERENTIATED CHALK)			
D	11.00								
D	11.50								
S	11.50	N = 36	10.50						
D	12.20								
D	13.00								
S	13.00	N = 49	12.00						
D	14.00			-9.67	14.00	CHALK recovered as cream silty GRAVEL. Gravel is very weak cream with brown staining. Matrix is cream. (UNDIFFERENTIATED CHALK)			
D	14.50								
S	14.50	N >50	13.00						
D	15.50				(3.29)				
D	15.80								
S	15.80	N >50	14.00						
D	16.80								
D	16.90								
S	16.90	N >50	15.00	-12.96	17.29	End of Borehole at 17.29m			

Chiselling			Groundwater Strikes					Drilled: TS
From	To	Duration (hh:mm)	Depth Strike	Rose to	Remarks	Cased	Sealed	
2.30	2.50	01:00	1.60	1.40		1.50		Logged: EY
								Checked: AS

Remarks: Hand dug service inspection pit excavated to 1.20m bgl. Water added to aid drilling from 1.20m bgl to 1.60m bgl.

Installation: 50mm diameter standpipe installed to 5.00m bgl.

Diameter: 150mm to 17.29m

Exploratory hole logs should be read in conjunction with key sheets

APPLIED GEOLOGY

BOREHOLE LOG - CABLE PERCUSSION

CP03

Project Langstone Technology Park, Havant - Phase 2

Project No.

AG3544-23

Client Havant S.a.r.l.

Sheet

1 of 2

Start 31/10/2023

Coordinates E 471346.91 N 105559.39

Scale

1:50

End 01/11/2023

Ground Level 4.66m AOD

Total Depth

17.20m

Sample / Test Type	Depth (m)	Result	Casing Depth (m)	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install
D	0.20	PID = 0.0		4.46	(0.20)	Asphalt.			
ES	0.20				0.20	(MADE GROUND)			
PID	0.20			4.16	(0.30)	Reddish brown slightly clayey slightly sandy GRAVEL. Gravel is medium to coarse subangular to angular igneous.			
D	0.50				0.50	(MADE GROUND - SUBBASE)			
D	1.00	N = 14	1.20		(0.70)	Brown very clayey slightly sandy GRAVEL. Gravel is fine to coarse subangular to rounded flint with rare fine subangular brick. and ash			
C	1.20			3.46	1.20	(MADE GROUND)			
					(0.60)	Medium dense brown very clayey slightly sandy GRAVEL. Gravel is fine to coarse subangular to rounded flint.			
						(MADE GROUND)			
B	1.80	N = 24	2.00	2.86	1.80	Medium dense brown slightly sandy GRAVEL with low cobble content. Gravel is medium to coarse angular to subrounded flint. Cobbles are rounded flint.			
D	1.80					(RIVER TERRACE DEPOSITS)			
C	2.00								
B	2.10								
B	3.00	N = 31	3.00						
C	3.00				(3.30)				
		N = 25	4.00						
D	5.10	N = 20	5.00	-0.44	5.10	Structureless CHALK composed of cream slightly silty GRAVEL and COBBLES. Clasts are extremely weak cream with occasional black specks. Matrix is cream. Grade Dc.			
D	5.20					(UNDIFFERENTIATED CHALK)			
S	5.20								
D	6.00	N = 17	6.50						
D	6.50								
S	6.50								
D	7.50	N = 22	8.00						
D	8.00								
S	8.00								
		N = 28	9.50						
D	9.00								
D	9.50								
S	9.50								

Continued next sheet

Chiselling			Groundwater Strikes					Drilled: TS Logged: EY Checked: AS
From	To	Duration (hh:mm)	Depth Strike	Rose to	Remarks	Cased	Sealed	
			2.20	2.20		1.50		

Remarks: Hand dug service inspection pit excavated to 1.20m bgl. Water added to aid drilling from 1.20m bgl to 7.20m bgl.

Installation: 50mm diameter standpipe installed to 5.00m bgl.

Diameter: 150mm to 17.20m

Exploratory hole logs should be read in conjunction with key sheets

APPLIED GEOLOGY

BOREHOLE LOG - CABLE PERCUSSION

CP03

Project

Langstone Technology Park, Havant - Phase 2

Project No.

AG3544-23

Client

Havant S.a.r.l.

Sheet

2 of 2

Start

31/10/2023

Coordinates

E 471346.91 N 105559.39

Scale

1:50

End

01/11/2023

Ground Level

4.66m AOD

Total Depth

17.20m

Sample / Test Type	Depth (m)	Result	Casing Depth (m)	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install
D	10.50	N = 37	11.00	-7.34	12.00	Structureless CHALK composed of cream slightly silty GRAVEL and COBBLES. Clasts are extremely weak cream with occasional black specks. Matrix is cream. Grade Dc. (UNDIFFERENTIATED CHALK)			
D S	11.00 11.00								
D D	12.00 12.00	N = 50	12.60			CHALK recovered as cream silty GRAVEL and COBBLES. Gravel is very weak cream with brown staining. (UNDIFFERENTIATED CHALK)			
S	12.60								
D	13.50	N = 50	14.20		(5.20)				
D S	14.20 14.20								
D	15.30	N >50	15.70						
D S	15.70 15.70								
D D S	16.60 16.80 16.80	N >50	16.80	-12.54	17.20	End of Borehole at 17.20m			

Chiselling			Groundwater Strikes					Drilled: TS Logged: EY Checked: AS
From	To	Duration (hh:mm)	Depth Strike	Rose to	Remarks	Cased	Sealed	
			2.20	2.20		1.50		

Remarks: Hand dug service inspection pit excavated to 1.20m bgl. Water added to aid drilling from 1.20m bgl to 7.20m bgl.

Installation: 50mm diameter standpipe installed to 5.00m bgl.

Diameter: 150mm to 17.20m

Exploratory hole logs should be read in conjunction with key sheets

APPLIED GEOLOGY

BOREHOLE LOG - DRIVEN CONTINUOUS SAMPLING

DCS01

Project

Langstone Technology Park, Havant - Phase 2

Project No.

AG3544-23

Client

Havant S.a.r.l.

Sheet

1 of 2

Start

01/11/2023

Coordinates

E 471372.35 N 105525.53

Scale

1:25

End

01/11/2023

Ground Level

4.77m AOD

Total Depth

5.45m

Sample / Test Type	Depth (m)	Result	Dia./ Rec.	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install		
ES	0.40			4.67	(0.10)	Asphalt.					
				0.10	(MADE GROUND)						
				4.52	(0.15)	Grey slightly clayey slightly sandy GRAVEL. Gravel is coarse angular limestone.					
				0.25	(MADE GROUND - SUBBASE)						
						Brown slightly clayey medium to coarse subangular to rounded GRAVEL of flint and occasional fragments of brick.					
						(MADE GROUND)					
					(1.15)						
C	1.20	N = 14									
B	1.40			3.37	1.40	Medium dense greyish brown very clayey GRAVEL with low cobble content. Gravel is medium to coarse subangular to rounded flint. Cobbles are subrounded flint.					
				(0.45)	(RIVER TERRACE DEPOSITS)						
D	1.80		116mm /80%	2.92	1.85	Soft light brown to cream slightly sandy gravelly CLAY. Gravel is fine to coarse subangular to subrounded flint and chalk.					
B	2.00			2.77	(0.15)	(RIVER TERRACE DEPOSITS)					
C	2.00	N = 17			2.00	Medium dense light brown slightly sandy clayey GRAVEL. Gravel is fine to coarse subangular to subrounded flint and occasional chalk.					
						(RIVER TERRACE DEPOSITS)					
D	2.50		101mm /70%								
					(1.60)						
C	3.00	N = 18									
D	3.50		101mm /80%	1.17	3.60	Structureless CHALK composed of cream slightly sandy slightly gravelly SILT. Gravel is fine to coarse subangular extremely weak cream chalk and subrounded flint. Grade Dm.					
						(UNDIFFERENTIATED CHALK)					
D	3.90										
C	4.00	N = 19									
			101mm /50%		(1.85)						
S	5.00	N = 16									
Continued next sheet											

Installation: 50mm diameter standpipe installed to 2.00m bgl.

Remarks: Hand dug service inspection pit excavated to 1.20m bgl.

Groundwater Strikes					Drilled: DH Logged: EY Checked: AS
Depth Strike	Rose to	Remarks	Cased	Sealed	
2.10	2.10				

DCS01

AG3544-23

2 of 2

1:25

5.45m

APPLIED GEOLOGY

BOREHOLE LOG - DRIVEN CONTINUOUS SAMPLING

DCS02

Project

Langstone Technology Park, Havant - Phase 2

Client

Havant S.a.r.l.

Start

01/11/2023

End

01/11/2023

Coordinates

E 471270.18 N 105549.66

Ground Level

4.45m AOD

Project No.

AG3544-23

Sheet

1 of 2

Scale

1:25

Total Depth

5.45m

Sample / Test Type	Depth (m)	Result	Dia./ Rec.	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install
ES	0.20	N = 18	116mm /80%	4.35	(0.10)	Asphalt.			
					0.10	(MADE GROUND)			
						Reddish brown slightly clayey slightly sandy GRAVEL. Gravel is coarse angular limestone.			
					(0.60)	(MADE GROUND - SUBBASE)			
D	0.60	N = 18	116mm /80%	3.75	0.70	Brown slightly sandy gravelly CLAY. Gravel is fine to coarse subangular to rounded flint and rare brick fragments.			
D	0.90				(0.30)	(MADE GROUND)			
D	1.10			3.45	1.00	Soft dark grey mottled orangish brown slightly sandy slightly gravelly SILT. Gravel is fine to medium subrounded flint.			
C	1.20			3.25	1.20	(POSSIBLE ALLUVIUM)			
D	1.30	N = 18	116mm /80%		(0.25)	Firm brown slightly gravelly slightly sandy CLAY. Gravel is fine to medium subrounded chalk and flint.			
B	1.50			3.00	1.45	(POSSIBLE ALLUVIUM)			
					(0.60)	Medium dense light brown slightly sandy very clayey GRAVEL with low cobble content. Gravel is fine to coarse subangular to rounded flint. Cobbles are subangular to rounded flint.			
						(RIVER TERRACE DEPOSITS)			
C	2.00	N = 18	101mm /70%	2.40	2.05	Medium dense light brown slightly sandy slightly clayey GRAVEL. Gravel is medium to coarse subangular to subrounded flint.			
B	2.20					(RIVER TERRACE DEPOSITS)			
					(1.35)				
C	3.00	N = 17	101mm /65%						
				1.05	3.40	Soft light grey slightly sandy slightly gravelly SILT. Gravel is fine rounded chalk.			
D	3.60				(0.55)	(WEATHERED UNDIFFERENTIATED CHALK)			
C	4.00	N = 14	92mm /80%	0.50	3.95	Structureless CHALK composed of slightly sandy slightly gravelly cream SILT. Gravel is fine to coarse subangular extremely weak cream chalk with occasional black specks. Grade Dm.			
D	4.20					(UNDIFFERENTIATED CHALK)			
					(1.50)				
D	4.80	N = 19							
S	5.00					Continued next sheet			

Installation: 50mm diameter standpipe installed to 2.00m bgl.

Remarks: Hand dug service inspection pit excavated to 1.20m bgl.

Groundwater Strikes					Drilled: DH Logged: EY Checked: AS
Depth Strike	Rose to	Remarks	Cased	Sealed	
2.30	2.10				

BOREHOLE LOG - DRIVEN CONTINUOUS SAMPLING

DCS02

Project

Langstone Technology Park, Havant - Phase 2

Project No.

AG3544-23

Client

Havant S.a.r.l.

Sheet

2 of 2

Start

01/11/2023

Coordinates

E 471270.18 N 105549.66

Scale

1:25

End

01/11/2023

Ground Level

4.45m AOD

Total Depth

5.45m

Sample / Test Type	Depth (m)	Result	Dia./ Rec.	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install
				-1.00	5.45	Structureless CHALK composed of slightly sandy slightly gravelly cream SILT. Gravel is fine to coarse subangular extremely weak cream chalk with occasional black specks. Grade Dm. (UNDIFFERENTIATED CHALK)			
						End of Borehole at 5.45m			

Installation: 50mm diameter standpipe installed to 2.00m bgl.

Remarks: Hand dug service inspection pit excavated to 1.20m bgl.

Groundwater Strikes					Drilled: DH Logged: EY Checked: AS
Depth Strike	Rose to	Remarks	Cased	Sealed	
2.30	2.10				

DCS03

AG3544-23

1 of 1

1:25

0.40m

Groundwater Strikes					Drilled: DH Logged: EY Checked: AS
Depth Strike	Rose to	Remarks	Cased	Sealed	

BOREHOLE LOG - DRIVEN CONTINUOUS SAMPLING

DCS03A

Project

Langstone Technology Park, Havant - Phase 2

Project No.

AG3544-23

Client

Havant S.a.r.l.

Sheet

1 of 2

Start

02/11/2023

Coordinates

E 471378.00 N 105591.00

Scale

1:25

End

02/11/2023

Ground Level

4.99m AOD

Total Depth

5.45m

Sample / Test Type	Depth (m)	Result	Dia./ Rec.	Level (mAoD)	Strata Depth (thickness) (m)	Description of Strata	Legend	GW	Install	
ES	0.15	N = 14		4.79	(0.20)	Grass over soft brown sandy slightly gravelly CLAY with frequent roots and rootlets. Gravel is fine to coarse subrounded flint. (MADE GROUND/TOPSOIL)				
D	0.60				0.20	Soft brown gravelly slightly sandy CLAY with low cobble content. Gravel is fine to coarse subrounded to rounded flint. Cobbles are rounded flint. (MADE GROUND)				
					(0.90)					
D	1.20	N = 15	116mm /80%	3.89	1.10	Soft dark brownish grey slightly sandy slightly gravelly SILT. Gravel is fine to coarse subrounded flint. (POSSIBLE ALLUVIUM)				
C	1.20			3.69	(0.20)					
B	1.30				1.30		Medium dense light brownish cream very clayey slightly gravelly coarse SAND. Gravel is fine to coarse subangular to rounded flint. (RIVER TERRACE DEPOSITS)			
D	1.80	N = 15	101mm /80%	3.14	1.85	Medium dense light brown slightly clayey slightly sandy GRAVEL with low cobble content. Gravel is fine to coarse subangular to rounded flint. Cobbles are subangular to rounded flint. (RIVER TERRACE DEPOSITS)		▼		
C	2.00						(1.75)			
D	2.10									
B	2.20	N = 14	101mm /80%			Firm cream sandy gravelly SILT/CLAY. Gravel is fine to coarse subangular to subrounded chalk and flint. (UNDIFFERENTIATED CHALK)				
C	3.00	N = 15	101mm /80%	1.39	3.60	Structureless CHALK composed of cream slightly silty GRAVEL and COBBLES. Clasts are extremely weak cream chalk with occasional black specks. Matrix is cream. Grade Dc.				
							(1.10)			
D	3.80	N = 18	101mm /100%	0.29	4.70	Continued next sheet				
C	4.00									
D	4.80	N = 18								
S	5.00									

Installation: 50mm diameter standpipe installed to 2.00m bgl.

Remarks: Hand dug service inspection pit excavated to 1.20m bgl.

Groundwater Strikes					Drilled: DH Logged: EY Checked: AS
Depth Strike	Rose to	Remarks	Cased	Sealed	
2.20	2.10				

DCS03A

AG3544-23

2 of 2

1:25

5.45m

Exploratory hole logs to be read in conjunction with key sheet

SA01

Project No. AG3544-23

Sheet 1 of 1

Scale 1:25

Ground Level	4.82m AOD	Coordinates	E 471321.58 N 105599.43	Total Depth	1.20m
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Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.60			(0.18) 4.64 0.18		Asphalt. (MADE GROUND)		
				(0.37) 		Grey slightly sandy coarse angular GRAVEL of quartzite. (MADE GROUND - SUBBASE)		
				4.27 0.55 (0.25)		Soft to firm brown gravelly CLAY. Gravel is fine to medium subangular to subrounded flint and rare fragments of brick. (MADE GROUND)		
				4.02 0.80 (0.40)		Light brown very clayey GRAVEL. Gravel is fine to coarse subangular to subrounded flint. (RIVER TERRACE DEPOSITS)		
				3.62 1.20		End of Trial Pit at 1.20m		

Length: 2.10m

Width: 0.60m

Logged: EY

Checked: AS

Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.18)		Asphalt.		
			4.20	0.18		(MADE GROUND)		
			4.14	(0.07)		Grey slightly sandy coarse angular GRAVEL of limestone.		
			4.04	0.25		(MADE GROUND - SUBBASE)		
				(0.10)		Firm to soft dark brown slightly gravelly SILT. Gravel is fine to medium subrounded flint.		
			3.88	0.35		(MADE GROUND)		
			3.78	(0.15)		Soft brown gravelly CLAY with low cobble content. Gravel is fine to coarse subangular to rounded flint. Cobbles are rounded flint.		
				0.50		(MADE GROUND)		
				(0.10)		CONCRETE.		
				0.60		(MADE GROUND)		
						At 0.60m bgl: concrete obstruction encountered.		
						End of Trial Pit at 0.60m		

Method:

Wheeled backhoe excavator

Groundwater:

Groundwater not encountered.

Stability:

Stable.

Remarks:

Trial pit terminated at 0.60m bgl due to concrete obstruction. Trial pit backfilled with arisings on completion.

Length:	1.90m
Width:	0.60m
Logged:	EY
Checked:	AS