Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

Plot F, Appledram Business Pk, A27 Bypass, Chichester, PO19 8FH

Order Details

Date: 12/05/2021

Your ref: Twyford_Tyre_Recycling

Our Ref: GS-7849200

Client: Paul Downing Ltd

Site Details

Location: 484999 104194

Area: 0.18 ha

Authority: Chichester District Council

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Summary of findings p. 2

Aerial image p. 8

OS MasterMap site plan p.12

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

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	0	0	5	15	-
14	1.2	Historical tanks	0	0	7	18	-
16	1.3	Historical energy features	0	0	11	14	-
17	1.4	Historical petrol stations	0	0	0	1	-
17	1.5	Historical garages	0	0	5	1	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
19	2.1	Historical industrial land uses	0	0	5	26	-
21	2.2	Historical tanks	0	0	13	36	-
23	2.3	Historical energy features	0	0	18	27	-
24	2.4	Historical petrol stations	0	0	0	1	-
25	2.5	Historical garages	0	0	9	1	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
26	3.1	Active or recent landfill	0	0	0	0	-
26	3.2	Historical landfill (BGS records)	0	0	0	0	-
27	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
27	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
27	3.5	Historical waste sites	0	0	1	0	-
28	3.6	Licensed waste sites	0	0	0	0	-
28	3.7	Waste exemptions	0	0	37	15	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
33	4.1	Recent industrial land uses	0	0	33	-	-
36	4.2	Current or recent petrol stations	0	0	0	1	-
36	4.3	Electricity cables	0	0	0	0	-
36	4.4	Gas pipelines	0	0	0	0	-
36	4.5	Sites determined as Contaminated Land	0	0	0	0	-

37	4.6	Control of Major Accident Hazards (COMAH)	0	0	2	0	-
37	4.7	Regulated explosive sites	0	0	0	0	-
37	4.8	Hazardous substance storage/usage	0	0	2	0	-
38	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
38	4.10	Licensed industrial activities (Part A(1))	0	0	4	0	-
39	4.11	Licensed pollutant release (Part A(2)/B)	0	0	4	4	-
40	4.12	Radioactive Substance Authorisations	0	0	0	0	-
41	4.13	Licensed Discharges to controlled waters	0	0	8	7	-
43	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
43	4.15	Pollutant release to public sewer	0	0	0	0	-
43	4.16	List 1 Dangerous Substances	0	0	0	0	-
44	4.17	List 2 Dangerous Substances	0	0	0	0	-
44	4.18	Pollution Incidents (EA/NRW)	0	0	2	4	-
45	4.19	Pollution inventory substances	0	0	2	0	-
46	4.20	Pollution inventory waste transfers	0	0	1	0	-
47	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
48	5.1	Superficial aquifer	Identified (within 500m)				
50	5.2	Bedrock aquifer	Identified (within 500m)				
52	5.3	Groundwater vulnerability	Identified (within 50m)				
53	5.4	Groundwater vulnerability- soluble rock risk	Identified (within 0m)				
53	5.5	Groundwater vulnerability- local information	None (within 0m)				
55	5.6	Groundwater abstractions	0	0	0	0	9
57	5.7	Surface water abstractions	0	0	0	0	3
58	5.8	Potable abstractions	0	0	0	0	2
59	5.9	Source Protection Zones	0	0	0	0	-
59	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
60	6.1	Water Network (OS MasterMap)	0	1	6	-	-

61	6.2	Surface water features	0	0	4	-	-
61	6.3	WFD Surface water body catchments	1	-	-	-	-
62	6.4	WFD Surface water bodies	0	0	1	-	-
62	6.5	WFD Groundwater bodies	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
63	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
63	7.2	Historical Flood Events	0	0	0	-	-
63	7.3	Flood Defences	0	0	0	-	-
63	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
64	7.5	Flood Storage Areas	0	0	0	-	-
65	7.6	Flood Zone 2	None (within 50m)				
65	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding	
66	8.1	Surface water flooding	1 in 30 year, 0.1m - 0.3m (within 50m)

Page	Section	Groundwater flooding	
68	9.1	Groundwater flooding	High (within 50m)

Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
69	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	1
70	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	1
70	10.3	Special Areas of Conservation (SAC)	0	0	0	0	1
71	10.4	Special Protection Areas (SPA)	0	0	0	0	1
71	10.5	National Nature Reserves (NNR)	0	0	0	0	0
72	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
72	10.7	Designated Ancient Woodland	0	0	0	0	2
72	10.8	Biosphere Reserves	0	0	0	0	0
72	10.9	Forest Parks	0	0	0	0	0
73	10.10	Marine Conservation Zones	0	0	0	0	0
73	10.11	Green Belt	0	0	0	0	0
73	10.12	Proposed Ramsar sites	0	0	0	0	0

73	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
73	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
74	10.15	Nitrate Sensitive Areas	0	0	0	0	0
74	**10.16**	**Nitrate Vulnerable Zones**	1	0	0	0	8
75	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
76	**10.18**	**SSSI Units**	0	0	0	0	6
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
80	11.1	World Heritage Sites	0	0	0	-	-
80	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
80	11.3	National Parks	0	0	0	-	-
80	11.4	Listed Buildings	0	0	0	-	-
81	11.5	Conservation Areas	0	0	0	-	-
81	11.6	Scheduled Ancient Monuments	0	0	0	-	-
81	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
82	**12.1**	**Agricultural Land Classification**	Grade 3b (within 250m)				
83	12.2	Open Access Land	0	0	0	-	-
83	12.3	Tree Felling Licences	0	0	0	-	-
84	12.4	Environmental Stewardship Schemes	0	0	0	-	-
84	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
85	13.1	Priority Habitat Inventory	0	0	0	-	-
85	13.2	Habitat Networks	0	0	0	-	-
85	13.3	Open Mosaic Habitat	0	0	0	-	-
85	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
86	**14.1**	**10k Availability**	Identified (within 500m)				
87	**14.2**	**Artificial and made ground (10k)**	0	0	0	4	-
89	**14.3**	**Superficial geology (10k)**	2	0	6	15	-

90	14.4	Landslip (10k)	0	0	0	0	-
92	14.5	Bedrock geology (10k)	2	0	0	3	-
93	14.6	Bedrock faults and other linear features (10k)	0	0	2	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
94	15.1	50k Availability	Identified (within 500m)				
95	15.2	Artificial and made ground (50k)	0	0	0	0	-
95	15.3	Artificial ground permeability (50k)	0	0	-	-	-
96	15.4	Superficial geology (50k)	1	0	4	9	-
97	15.5	Superficial permeability (50k)	Identified (within 50m)				
97	15.6	Landslip (50k)	0	0	0	0	-
98	15.7	Landslip permeability (50k)	None (within 50m)				
99	15.8	Bedrock geology (50k)	1	0	0	2	-
100	15.9	Bedrock permeability (50k)	Identified (within 50m)				
100	15.10	Bedrock faults and other linear features (50k)	0	0	1	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
101	16.1	BGS Boreholes	0	0	2	-	-
Page	Section	Natural ground subsidence					
102	17.1	Shrink swell clays	Low (within 50m)				
103	17.2	Running sands	Low (within 50m)				
104	17.3	Compressible deposits	Negligible (within 50m)				
105	17.4	Collapsible deposits	Low (within 50m)				
106	17.5	Landslides	Very low (within 50m)				
107	17.6	Ground dissolution of soluble rocks	Very low (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
109	18.1	Natural cavities	0	0	0	0	-
110	18.2	BritPits	0	0	0	1	-
110	18.3	Surface ground workings	0	0	1	-	-
110	18.4	Underground workings	0	0	0	0	0
111	18.5	Historical Mineral Planning Areas	0	0	0	0	-

111	18.6	Non-coal mining	0	0	0	0	0
111	18.7	Mining cavities	0	0	0	0	0
111	18.8	JPB mining areas	None (within 0m)				
111	18.9	Coal mining	None (within 0m)				
112	18.10	Brine areas	None (within 0m)				
112	18.11	Gypsum areas	None (within 0m)				
112	18.12	Tin mining	None (within 0m)				
112	18.13	Clay mining	None (within 0m)				

Page	Section	Radon	
113	**19.1**	**Radon**	Less than 1% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
114	**20.1**	**BGS Estimated Background Soil Chemistry**	3	0	-	-	-
114	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
114	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
115	21.1	Underground railways (London)	0	0	0	-	-
115	21.2	Underground railways (Non-London)	0	0	0	-	-
115	21.3	Railway tunnels	0	0	0	-	-
115	21.4	Historical railway and tunnel features	0	0	0	-	-
115	21.5	Royal Mail tunnels	0	0	0	-	-
116	21.6	Historical railways	0	0	0	-	-
116	21.7	Railways	0	0	0	-	-
116	21.8	Crossrail 1	0	0	0	0	-
116	21.9	Crossrail 2	0	0	0	0	-
116	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 28/06/2018

Site Area: 0.18ha

Recent site history - 2013 aerial photograph

Capture Date: 03/05/2013

Site Area: 0.18ha

Recent site history - 2000 aerial photograph

Capture Date: 12/08/2000

Site Area: 0.18ha

Recent site history - 1999 aerial photograph

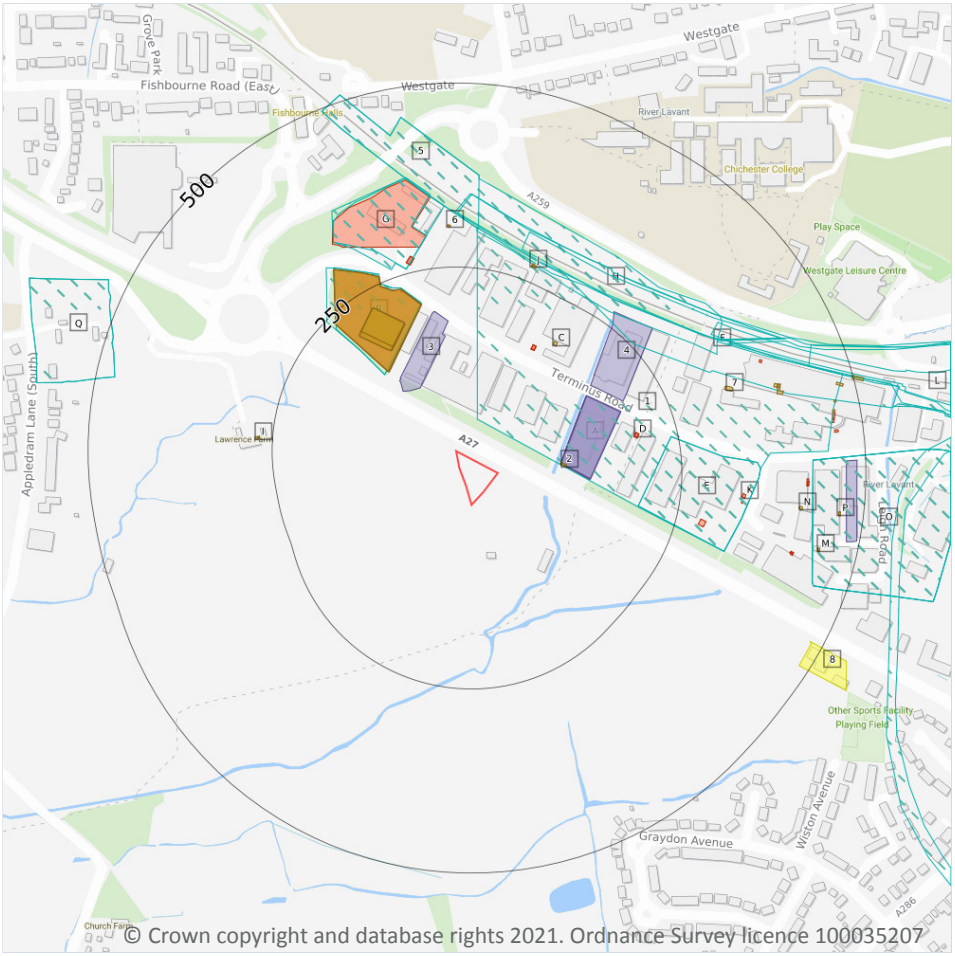
Capture Date: 06/09/1999

Site Area: 0.18ha

OS MasterMap site plan

Site Area: 0.18ha

1 Past land use



Site Outline

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical petrol stations
- Historical garages

1.1 Historical industrial land uses

Records within 500m	20

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 13**

ID	Location	Land use	Dates present	Group ID
1	51m NE	Industrial Estate	1994	1866219

ID	Location	Land use	Dates present	Group ID
B	142m NW	Gas Holder Station	1989	1901639
B	142m NW	Gas Holder Station	1977	1907927
E	196m E	Unspecified Factory	1978	1899938
E	196m E	Unspecified Factory	1994	1928274
F	254m NE	Railway Sidings	1932 - 1957	1946557
G	256m N	Unspecified Depot	1977	1895672
G	256m N	Unspecified Depot	1989	1961275
H	266m NE	Railway Sidings	1909 - 1994	1896210
H	281m NE	Railway Sidings	1910	1884918
H	283m NE	Railway Sidings	1896	1884890
5	303m N	Railway Sidings	1968	1884913
L	346m NE	Railway Sidings	1875 - 1994	1902801
L	359m NE	Railway Sidings	1896	1884891
O	428m E	Unspecified Commercial/Industrial	1938	1886221
O	428m E	Unspecified Commercial/Industrial	1933	1888811
O	428m E	Unspecified Commercial/Industrial	1909	1899769
L	446m E	Railway Sidings	1973 - 1978	1947769
Q	475m W	Nursery	1968 - 1977	1906705
Q	475m W	Nursery	1989	1956355

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**25**

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
2	86m E	Tanks	1976 - 1996	317970
B	141m NW	Gasholder Station	1970 - 1996	327172
B	142m NW	Gas Holder Station	1988	312423
B	163m NW	Gasholders	1970	309355
B	163m NW	Gas Holder	1988	311513
B	166m NW	Gas Holders	1996	312431
C	189m NE	Unspecified Tank	1969 - 1981	320641
I	267m W	Unspecified Tank	1963 - 1996	313253
I	268m W	Unspecified Tank	1963	313998
I	269m W	Unspecified Tank	1988	322419
J	271m NE	Unspecified Tank	1976 - 1990	327181
J	271m NE	Unspecified Tank	1996	317585
6	304m N	Unspecified Tank	1968 - 1988	326159
7	329m E	Tanks	1996	311451
F	393m E	Tanks	1976	311452
F	394m E	Tanks	1976 - 1990	315463
F	396m E	Tanks	1976	311453
F	398m E	Unspecified Tank	1969	308569
N	412m E	Unspecified Tank	1990 - 1996	322662
M	446m E	Unspecified Tank	1969 - 1996	326433
L	462m E	Unspecified Tank	1976 - 1996	317612
P	466m E	Unspecified Tank	1976 - 1996	315177
L	467m E	Unspecified Tank	1996	308570
L	475m E	Unspecified Tank	1969	308571
L	498m E	Unspecified Tank	1981	308572

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	25

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
B	141m NW	Gasholder Station	1970 - 1996	205490
B	142m NW	Gas Holder Station	1988	192056
B	163m NW	Gasholders	1970	191594
B	163m NW	Gas Holder	1988	192032
B	166m NW	Gas Holders	1996	192064
C	170m NE	Electricity Substation	1969 - 1996	210081
C	171m NE	Electricity Substation	1976 - 1990	207252
D	192m E	Electricity Substations	1976 - 1990	202274
D	192m E	Electricity Substation	1969 - 1996	200076
B	228m N	Electricity Substation	1970	194197
B	228m N	Electricity Substation	1988	193394
B	260m N	Electricity Substation	1996	195686
B	261m N	Electricity Substation	1970 - 1988	199898
E	281m E	Electricity Substation	1976 - 1996	210671
G	281m N	Electricity Board Depot	1988	191755
K	333m E	Electricity Substation	1969 - 1976	211940
K	333m E	Electricity Substation	1981 - 1990	210735
F	386m NE	Electricity Substation	1996	191211
M	411m E	Electricity Substation	1969 - 1990	206938
M	412m E	Electricity Substation	1996	208536
N	420m E	Electricity Substation	1996	202715

ID	Location	Land use	Dates present	Group ID
N	421m E	Electricity Substation	1976 - 1990	201909
L	459m E	Electricity Substation	1969 - 1996	198967
L	461m E	Electricity Substation	1976	191210
L	461m E	Electricity Substation	1981 - 1990	201133

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	**1**

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
8	482m SE	Filling Station	1990	3362

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	**6**

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
A	86m E	Garage	1981	61178
A	86m E	Garage	1963 - 1976	63541
A	87m E	Garage	1963	61152

ID	Location	Land use	Dates present	Group ID
3	99m NW	Maintenance Workshop	1970 - 1988	65259
4	173m NE	Garage	1969 - 1976	64864
P	474m E	Car Body Repair Works	1967	60980

This data is sourced from Ordnance Survey / Groundsure.

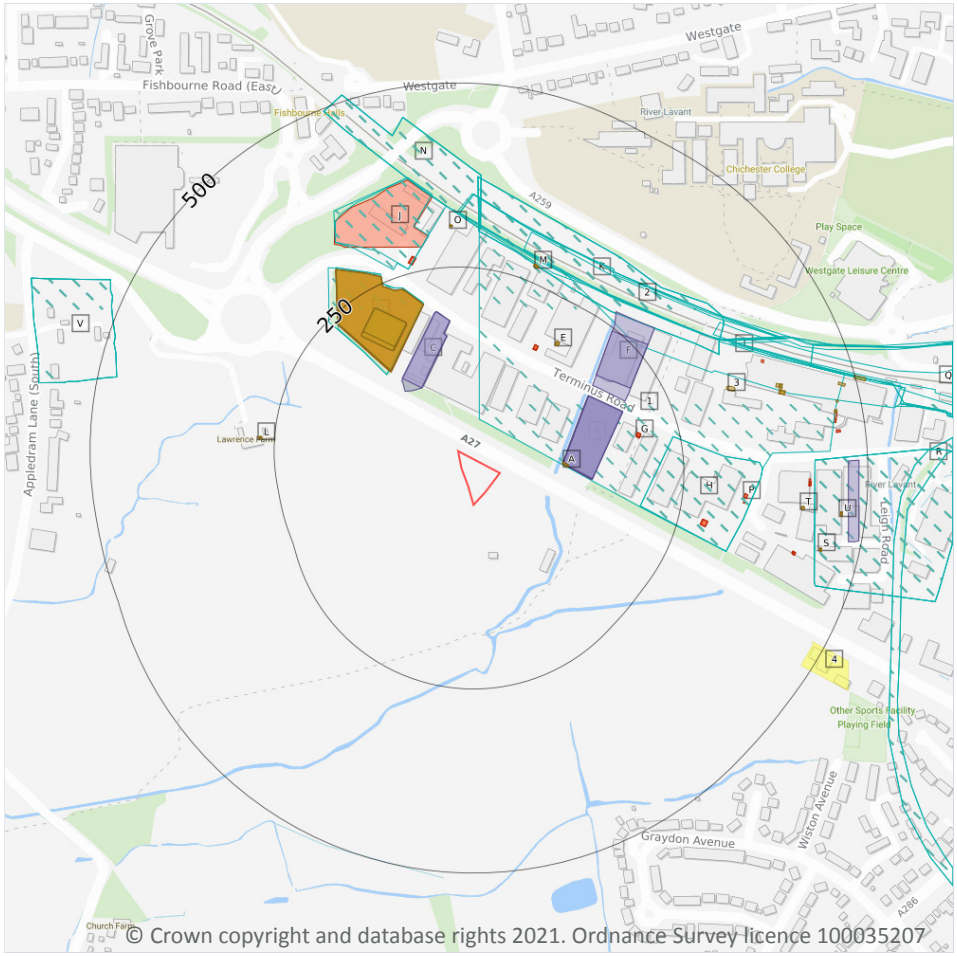
1.6 Historical military land

Records within 500m	**0**

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

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

2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	31

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

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
1	51m NE	Industrial Estate	1994	1866219
D	142m NW	Gas Holder Station	1989	1901639
D	142m NW	Gas Holder Station	1977	1907927

ID	Location	Land Use	Date	Group ID
H	196m E	Unspecified Factory	1978	1899938
H	196m E	Unspecified Factory	1994	1928274
I	254m NE	Railway Sidings	1957	1946557
J	256m N	Unspecified Depot	1989	1961275
J	256m N	Unspecified Depot	1977	1895672
K	266m NE	Railway Sidings	1978	1896210
K	266m NE	Railway Sidings	1994	1896210
K	266m NE	Railway Sidings	1973	1896210
K	280m NE	Railway Sidings	1932	1946557
K	281m NE	Railway Sidings	1938	1946557
K	281m NE	Railway Sidings	1910	1884918
2	283m NE	Railway Sidings	1896	1884890
N	303m N	Railway Sidings	1989	1896210
N	303m N	Railway Sidings	1968	1884913
N	303m N	Railway Sidings	1977	1896210
Q	346m NE	Railway Sidings	1875	1902801
Q	348m NE	Railway Sidings	1909	1896210
R	353m NE	Railway Sidings	1938	1946557
R	353m NE	Railway Sidings	1933	1946557
Q	359m NE	Railway Sidings	1896	1884891
R	428m E	Unspecified Commercial/Industrial	1938	1886221
R	428m E	Unspecified Commercial/Industrial	1933	1888811
R	428m E	Unspecified Commercial/Industrial	1909	1899769
Q	446m E	Railway Sidings	1978	1947769
Q	446m E	Railway Sidings	1973	1947769
V	475m W	Nursery	1989	1956355
V	475m W	Nursery	1968	1906705
V	475m W	Nursery	1977	1906705

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**49**

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

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
A	86m E	Tanks	1996	317970
A	86m E	Tanks	1981	317970
A	86m E	Tanks	1990	317970
A	86m E	Tanks	1976	317970
D	141m NW	Gasholder Station	1970	327172
D	142m NW	Gas Holder Station	1988	312423
D	143m NW	Gasholder Station	1996	327172
D	163m NW	Gasholders	1970	309355
D	163m NW	Gas Holder	1988	311513
D	166m NW	Gas Holders	1996	312431
E	189m NE	Unspecified Tank	1976	320641
E	189m NE	Unspecified Tank	1981	320641
E	190m NE	Unspecified Tank	1969	320641
L	267m W	Unspecified Tank	1970	313253
L	267m W	Unspecified Tank	1963	313253
L	268m W	Unspecified Tank	1963	313998
L	268m W	Unspecified Tank	1996	313253
L	269m W	Unspecified Tank	1988	322419
M	271m NE	Unspecified Tank	1976	327181
M	271m NE	Unspecified Tank	1981	327181
M	271m NE	Unspecified Tank	1990	327181
M	271m NE	Unspecified Tank	1996	317585
O	304m N	Unspecified Tank	1968	326159

ID	Location	Land Use	Date	Group ID
O	304m N	Unspecified Tank	1988	326159
3	329m E	Tanks	1996	311451
I	393m E	Tanks	1976	311452
I	394m E	Tanks	1981	315463
I	394m E	Tanks	1990	315463
I	394m E	Tanks	1976	315463
I	396m E	Tanks	1976	311453
I	398m E	Unspecified Tank	1969	308569
T	412m E	Unspecified Tank	1990	322662
T	412m E	Unspecified Tank	1996	322662
S	446m E	Unspecified Tank	1981	326433
S	446m E	Unspecified Tank	1990	326433
S	446m E	Unspecified Tank	1996	326433
S	447m E	Unspecified Tank	1969	326433
S	447m E	Unspecified Tank	1976	326433
Q	462m E	Unspecified Tank	1996	317612
Q	462m E	Unspecified Tank	1981	317612
Q	462m E	Unspecified Tank	1990	317612
Q	463m E	Unspecified Tank	1976	317612
U	466m E	Unspecified Tank	1996	315177
U	466m E	Unspecified Tank	1981	315177
U	466m E	Unspecified Tank	1990	315177
U	467m E	Unspecified Tank	1976	315177
Q	467m E	Unspecified Tank	1996	308570
Q	475m E	Unspecified Tank	1969	308571
Q	498m E	Unspecified Tank	1981	308572

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**45**

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

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
D	141m NW	Gasholder Station	1970	205490
D	142m NW	Gas Holder Station	1988	192056
D	143m NW	Gasholder Station	1996	205490
D	163m NW	Gasholders	1970	191594
D	163m NW	Gas Holder	1988	192032
D	166m NW	Gas Holders	1996	192064
E	170m NE	Electricity Substation	1996	210081
E	171m NE	Electricity Substation	1969	210081
E	171m NE	Electricity Substation	1981	207252
E	171m NE	Electricity Substation	1990	207252
E	171m NE	Electricity Substation	1976	207252
G	192m E	Electricity Substations	1981	202274
G	192m E	Electricity Substations	1990	202274
G	192m E	Electricity Substation	1996	200076
G	192m E	Electricity Substations	1976	202274
G	192m E	Electricity Substation	1969	200076
D	228m N	Electricity Substation	1970	194197
D	228m N	Electricity Substation	1988	193394
D	260m N	Electricity Substation	1996	195686
D	261m N	Electricity Substation	1970	199898
D	261m N	Electricity Substation	1988	199898
H	281m E	Electricity Substation	1981	210671
H	281m E	Electricity Substation	1990	210671

ID	Location	Land Use	Date	Group ID
H	281m E	Electricity Substation	1996	210671
J	281m N	Electricity Board Depot	1988	191755
H	282m E	Electricity Substation	1976	210671
P	333m E	Electricity Substation	1969	211940
P	333m E	Electricity Substation	1976	211940
P	333m E	Electricity Substation	1981	210735
P	333m E	Electricity Substation	1990	210735
I	386m NE	Electricity Substation	1996	191211
S	411m E	Electricity Substation	1981	206938
S	411m E	Electricity Substation	1990	206938
S	412m E	Electricity Substation	1969	206938
S	412m E	Electricity Substation	1996	208536
S	412m E	Electricity Substation	1976	206938
T	420m E	Electricity Substation	1996	202715
T	421m E	Electricity Substation	1981	201909
T	421m E	Electricity Substation	1990	201909
T	421m E	Electricity Substation	1976	201909
Q	459m E	Electricity Substation	1996	198967
Q	459m E	Electricity Substation	1969	198967
Q	461m E	Electricity Substation	1976	191210
Q	461m E	Electricity Substation	1981	201133
Q	461m E	Electricity Substation	1990	201133

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	**1**

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

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
4	482m SE	Filling Station	1990	3362

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	**10**

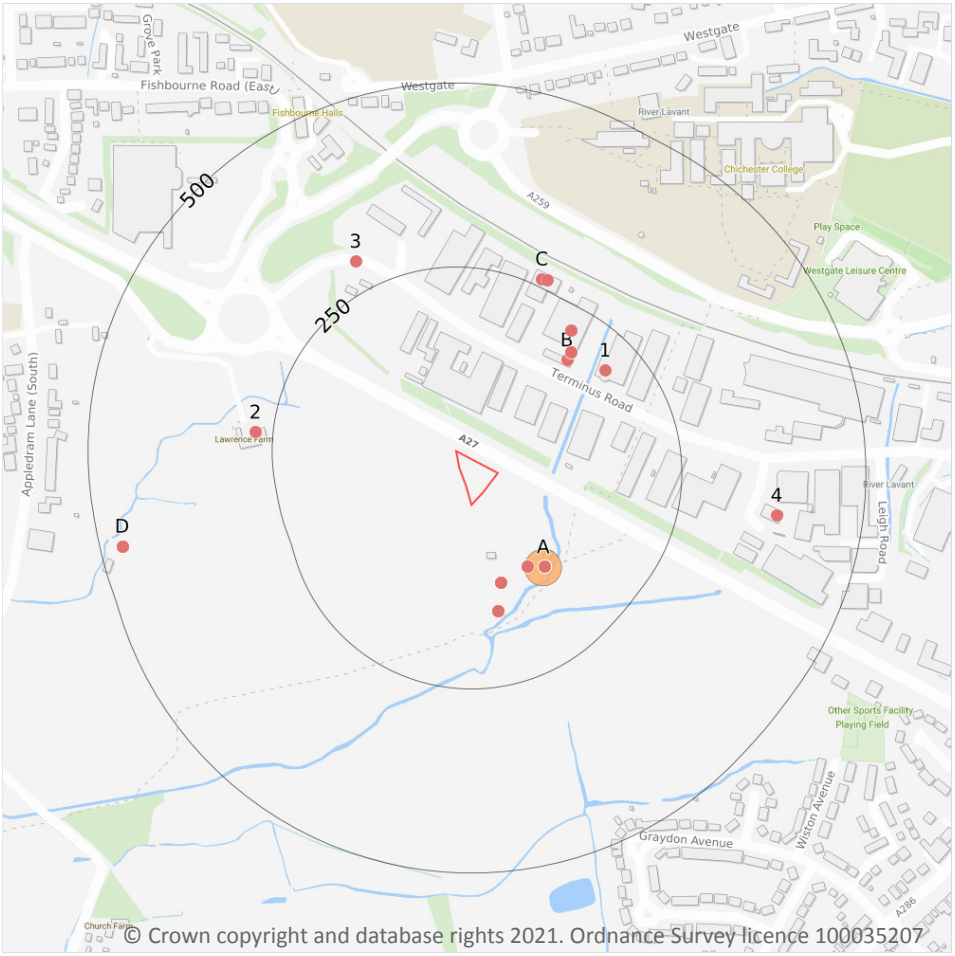
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
B	86m E	Garage	1981	61178
B	86m E	Garage	1963	63541
B	86m E	Garage	1976	63541
B	86m E	Garage	1969	63541
B	87m E	Garage	1963	61152
C	99m NW	Maintenance Workshop	1970	65259
C	99m NW	Maintenance Workshop	1988	65259
F	173m NE	Garage	1969	64864
F	187m NE	Garage	1976	64864
U	474m E	Car Body Repair Works	1967	60980

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	0

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

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

3.5 Historical waste sites

Records within 500m	1

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 26**

ID	Location	Address	Further Details	Date
A	104m SE	Site Address: Crooked Mead Farm, Chichester by Pass, Stockbridge, Chichester, West Sussex, PO19 8FH	Type of Site: Waste Transfer Station Planning application reference: 12/04450/CMA Description: Scheme comprises wscc ref: WSCC/070/12/FB Crooked Mead Farm, Chichester By Pass, Stockbridge, Chichester, West Sussex, PO19 8FH use of the site as a recycling and waste transfer station, including skip hire depot, soil screening, collection and sorting o f scrap metals and returning the southern part of the site to wildflower meadow. Data source: Historic Planning Application Data Type: Point	12/02/2013

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

3.6 Licensed waste sites

Records within 500m	0

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

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

3.7 Waste exemptions

Records within 500m	52

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 26**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	113m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0738ZH /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
A	113m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0738ZH /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
A	113m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0738ZH /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
A	113m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0738ZH /A001	Treating waste exemption	Non-Agricultural Waste Only	Manual treatment of waste
A	113m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0738ZH /A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
A	113m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0738ZH /A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste
A	113m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0738ZH /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal

ID	Location	Site	Reference	Category	Sub-Category	Description
A	114m SE	CROOKEDMEAD FARM CHICHESTER BYPASS WEST SUSSEX PO19 2FH	EPR/NF0107NP/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
A	114m SE	CROOKEDMEAD FARM CHICHESTER BYPASS WEST SUSSEX PO19 2FH	EPR/NF0107NP/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
A	114m SE	CROOKEDMEAD FARM CHICHESTER BYPASS WEST SUSSEX PO19 2FH	EPR/NF0107NP/A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
A	130m SE	CROOKED MEAD FARM, CHICHESTER BY PASS, STOCKBRIDGE, CHICHESTER, PO19 8FH	WEX143023	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	130m SE	CROOKED MEAD FARM, CHICHESTER BY PASS, STOCKBRIDGE, CHICHESTER, PO19 8FH	WEX147504	Treating waste exemption	Not on a farm	Manual treatment of waste
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Using waste exemption	Not on a farm	Use of waste in construction
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Using waste exemption	Not on a farm	Use of baled end-of-life tyres in construction
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Using waste exemption	Not on a farm	Use of waste for a specified purpose
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

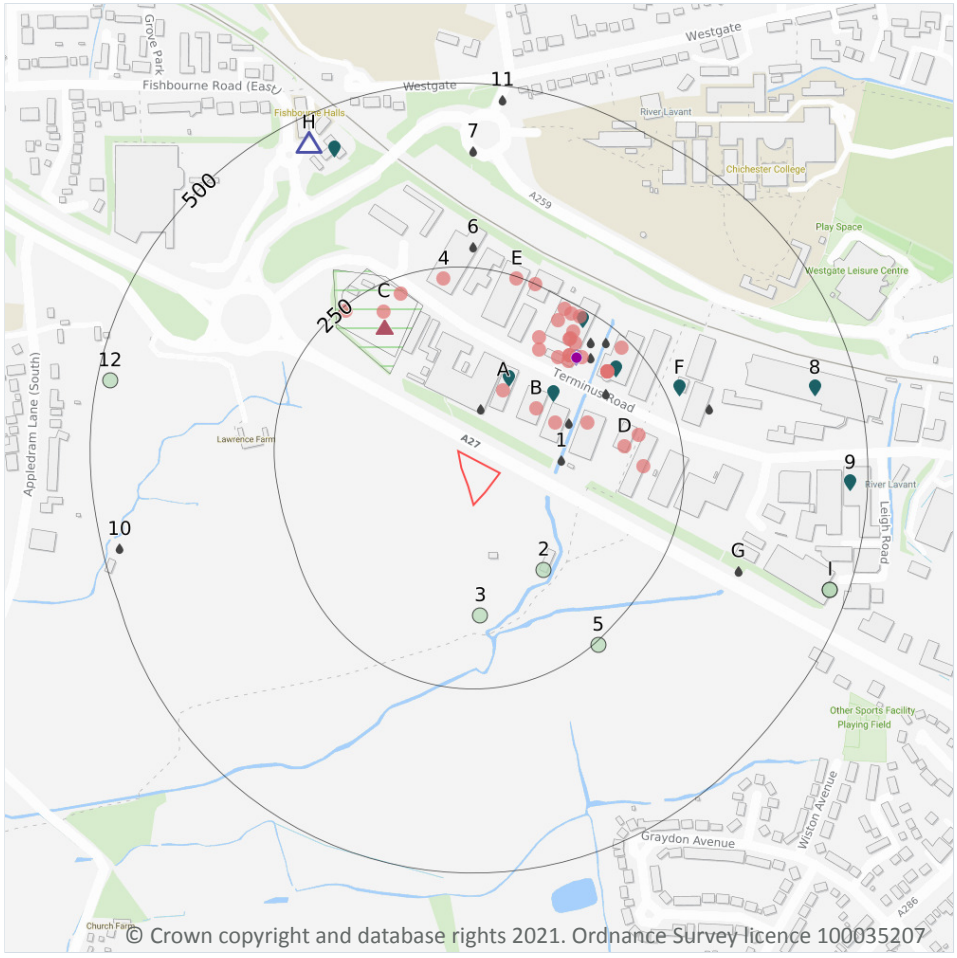
ID	Location	Site	Reference	Category	Sub-Category	Description
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Treating waste exemption	Not on a farm	Screening and blending of waste
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Treating waste exemption	Not on a farm	Sorting mixed waste
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Treating waste exemption	Not on a farm	Manual treatment of waste
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	130m SE	Plot F, Appledram business park, A27 by pass, Chichester, PO19 8FH	WEX244998	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	150m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0638ZK /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
A	150m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0638ZK /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
A	150m S	Crooked Mead Farm Chichester by Pass CHICHESTER West Sussex PO19 8FH	EPR/SF0638ZK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal

ID	Location	Site	Reference	Category	Sub-Category	Description
B	179m NE	4, WOODRUFF BUSINESS CENTRE, TERMINUS ROAD, CHICHESTER, PO19 8PH	WEX148787	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
B	191m NE	3, WOODRUFF BUSINESS CENTRE, TERMINUS ROAD, CHICHESTER, PO19 8PH	WEX142109	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	191m NE	4, WOODRUFF BUSINESS CENTRE, TERMINUS ROAD, CHICHESTER, PO19 8PH	WEX142139	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	191m NE	4, WOODRUFF BUSINESS CENTRE, TERMINUS ROAD, CHICHESTER, PO19 8PH	WEX142139	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	191m NE	4, WOODRUFF BUSINESS CENTRE, TERMINUS ROAD, CHICHESTER, PO19 8PH	WEX145091	Storing waste exemption	Not on a farm	Storage of waste in a secure place
1	201m NE	30, TERMINUS ROAD, CHICHESTER, PO19 8TX	WEX078232	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	217m NE	unit 4, woodruff business centre, chichester, po19 8ph	WEX142348	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
B	217m NE	UNIT 4, woodruff business centre, CHICHESTER, PO19 8PH	WEX150913	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
C	260m NE	Unit 8 Matform Business Centre Terminus Road Chichester Sussex PO19 8UL	EPR/LE5343FW/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	262m NE	8, MATFORM BUSINESS CENTRE, TERMINUS ROAD, CHICHESTER, PO19 8UL	WEX120649	Storing waste exemption	Not on a farm	Storage of waste in a secure place
2	274m W	-	WEX061217	Using waste exemption	On a farm	Use of waste in construction
3	291m NW	8 Matform Business Centre Chichester W Sussex po192ul	EPR/WF0533WY/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
4	383m E	WF Senate Unit 2 27 Terminuss Road Chichester PO19 8UE	EPR/GF0904SK/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes

ID	Location	Site	Reference	Category	Sub-Category	Description
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Disposing of waste exemption	On a farm	Disposal by incineration
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Disposing of waste exemption	On a farm	Burning waste in the open
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Storing waste exemption	On a farm	Storage of sludge
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Using waste exemption	On a farm	Use of waste in construction
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Using waste exemption	On a farm	Use of mulch
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
D	471m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, PO20 7PE	WEX064488	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance

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
- Control of Major Accident Hazards
- Hazardous substance storage/usage
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- 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	33

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 33**

ID	Location	Company	Address	Activity	Category
B	101m NE	Hendy Group	Terminus Road, Chichester, West Sussex, PO19 8TX	New Vehicles	Motoring
B	101m NE	Peter Cooper Volkswagen	18, Terminus Road, Chichester, West Sussex, PO19 8TX	New Vehicles	Motoring

ID	Location	Company	Address	Activity	Category
A	102m NE	Lok'n Store Ltd	Terminus Road, Chichester, West Sussex, PO19 8TX	Container and Storage	Transport, Storage and Delivery
B	138m NE	Harwoods Jaguar & Aston Martin	Terminus Road, Chichester, West Sussex, PO19 8TX	New Vehicles	Motoring
D	173m E	Gemini Data Loggers UK Ltd	Scientific House, Terminus Road, Chichester, West Sussex, PO19 8UJ	Electronic Equipment	Industrial Products
B	173m NE	Electricity Sub Station	West Sussex, PO19	Electrical Features	Infrastructure and Facilities
B	177m NE	Maximum Car Supermarket	9 Matform Business Centre, Terminus Road, Chichester, West Sussex, PO19 8UL	Secondhand Vehicles	Motoring
B	179m NE	Motorforce	1 Woodruff Business Centre, Terminus Road, Chichester, West Sussex, PO19 8PH	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	186m NE	Chichester Tyre & Brake Centre	3 Woodruff Business Centre, Terminus Road, Chichester, West Sussex, PO19 8PH	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	186m NE	Chichester Tyre & Brakes Centre	3 Woodruff Business Centre, Terminus Road, Chichester, West Sussex, PO19 8PH	Vehicle Parts and Accessories	Motoring
B	189m NE	Phillips Business Centre	West Sussex, PO19	Business Parks and Industrial Estates	Industrial Features
B	193m NE	The Woodruff Business Centre	West Sussex, PO19	Business Parks and Industrial Estates	Industrial Features
D	195m E	Goodwood Metalcraft Ltd	Terminus Industrial Estate, Chichester, West Sussex, PO19	Industrial Engineers	Engineering Services
D	196m E	Electricity Sub Station	West Sussex, PO19	Electrical Features	Infrastructure and Facilities
B	201m NE	Land Rover Service Centres	Unit 7, Terminus Road, Chichester, West Sussex, PO19 8TX	Vehicle Repair, Testing and Servicing	Repair and Servicing

ID	Location	Company	Address	Activity	Category
B	201m NE	Apollo Chichester	Unit 7, Terminus Road, Chichester, West Sussex, PO19 8TX	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	201m NE	Ford Approved Service Centres	Unit 7, Terminus Road, Chichester, West Sussex, PO19 8TX	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	201m NE	Enterprise Rent-A-Car	Unit 7, Terminus Road, Chichester, West Sussex, PO19 8TX	Vehicle Hire and Rental	Hire Services
B	204m NE	Enterprise Rent-A-Car	E, Cbs Accident Repair Centre, 42, Terminus Road, Whyke, Chichester, West Sussex, PO19 8TX	Vehicle Hire and Rental	Hire Services
B	206m NE	Rd Autos	4 Woodruff Business Centre, Terminus Road, Chichester, West Sussex, PO19 8PH	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	206m NE	Yellohire	Woodruff Business Centre, Terminus Road, Chichester, West Sussex, PO19 8PH	Vehicle Hire and Rental	Hire Services
C	215m NW	Industrial Estate	West Sussex, PO19	Business Parks and Industrial Estates	Industrial Features
B	217m NE	R D Autos	5 Woodruff Business Centre, Terminus Road, Chichester, West Sussex, PO19 8PH	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	221m NE	Total Concept Paints	3-5 Matform Business Centre, Terminus Road, Chichester, West Sussex, PO19 8UL	Paints, Varnishes and Lacquers	Industrial Products
C	228m N	Mast (Communication)	West Sussex, PO19	Telecommunications Features	Infrastructure and Facilities
4	235m N	Sentry Self Storage	Unit 1 11, Terminus Road, Chichester, West Sussex, PO19 8TX	Container and Storage	Transport, Storage and Delivery
B	237m NE	Matform	10 Matform Business Centre, Terminus Road, Chichester, West Sussex, PO19 8UL	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
B	238m NE	Apollo Prestige Ltd	Unit 7, Terminus Road, Chichester, West Sussex, PO19 8TX	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	238m NE	The Sign Company	1 Matform Business Centre, Terminus Road, Chichester, West Sussex, PO19 8UL	Signs	Industrial Products
B	239m NE	Chichester Cars	6 Woodruff Business Centre, Terminus Road, Chichester, West Sussex, PO19 8PH	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	244m NW	Gas Distribution Station	West Sussex, PO19	Gas Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
E	248m N	Azur Skoda	Unit 12, Terminus Road, Chichester, West Sussex, PO19 8TX	New Vehicles	Motoring
E	250m NE	Technique Finishing Ltd	7 Matform Business Centre, Terminus Road, Chichester, West Sussex, PO19 8UL	Industrial Coatings and Finishings	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**1**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 33**

ID	Location	Company	Address	LPG	Status
H	466m NW	TESCO EXTRA	Fishbourne Road East, Chichester, West Sussex, PO19 3JT	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 33**

ID	Location	Company	Address	Operational status	Tier
C	140m NW	Southern Gas Networks Plc	Southern Gas Networks Plc, Chichester Hp Storage Installation, Terminus Road Industrial Est, Terminus Road, Chichester, West Sussex, PO19 2T2	Historical NIHHS Site	-
C	154m NW	British Gas	British Gas, Chichester Holder Station, Ind Estate, Terminus Road, ChIchester	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 33**

ID	Location	Details	
C	195m NW	Application reference number: 02/03063/HSC Application status: Approved Application date: 07/11/2002 Address: Transco PLC, Terminus Road Industrial Estate, Terminus Road, Chichester, West Sussex, England, PO19 8TX	Details: Storage of natural gas Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Details	
C	195m NW	Application reference number: 01/02086/HSC Application status: Historical Consent Application date: 15/08/2001 Address: Transco Plc, Terminus Road Industrial Estate, Chichester, West Sussex, PO19 8TX	Details: Reduction in size of site in relation to existing storage of high pressure Natural Gas - maximum of 72 tonnes. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	**0**

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	**4**

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

Features are displayed on the Current industrial land use map on **page 33**

ID	Location	Details	
B	187m NE	Operator: PRINCES LTD Installation Name: CHICHESTER FOOD FACTORY - EPR/BX2795IN Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC ANIMAL RAW MATERIALS (NOT MILK) FOR FOOD >75T/D Permit Number: EP3633VL Original Permit Number: BX2795IN	EPR Reference: - Issue Date: 11/02/2014 Effective Date: 11/02/2014 Last date noted as effective: 25/01/2021 Status: EFFECTIVE
B	187m NE	Operator: PRINCES LTD Installation Name: CHICHESTER FOOD FACTORY - EPR/BX2795IN Process: ASSOCIATED PROCESS Permit Number: EP3633VL Original Permit Number: BX2795IN	EPR Reference: - Issue Date: 11/02/2014 Effective Date: 11/02/2014 Last date noted as effective: 25/01/2021 Status: EFFECTIVE

ID	Location	Details	
B	187m NE	Operator: PRINCES LTD Installation Name: CHICHESTER FOOD FACTORY - EPR/BX2795IN Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: EP3633VL Original Permit Number: BX2795IN	EPR Reference: - Issue Date: 11/02/2014 Effective Date: 11/02/2014 Last date noted as effective: 25/01/2021 Status: EFFECTIVE
B	187m NE	Operator: PRINCES LTD Installation Name: CHICHESTER FOOD FACTORY Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC ANIMAL RAW MATERIALS (NOT MILK) FOR FOOD >75T/D Permit Number: YP3436SJ Original Permit Number: BX2795IN	EPR Reference: - Issue Date: 09/12/2005 Effective Date: 09/12/2005 Last date noted as effective: 25/01/2021 Status: SUPERCEDED

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

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

Records within 500m **8**

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 33**

ID	Location	Address	Details	
A	119m NE	Apollo Motor Company, Plot 10, Terminus Road, Chichester, West Sussex, PO19 8TX	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	129m NE	City Sales & Service Centre, Terminus Road, Chichester, PO19 8TX	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	211m NE	Apollo Prestige Ltd, Unit 7, Terminus Road, Chichester, West Sussex PO19 8TX	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
B	235m NE	Blakes Auto Bodyshop Limited, Unit 6, The Woodruff Business Centre, Terminus Road, Chichester, West Sussex PO19 8PH	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	269m NE	Bleach Of Lavant Limited, Terminus Road, Chichester, West Sussex, PO19 8TX	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
8	443m E	Autoliv, Terminus Road, Chichester, West Sussex, PO19 2UG	Process: Other Metal Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
H	443m N	Tesco Stores Ltd, Fishbourne Road East, Chichester, West Sussex, PO19 3JT	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	475m E	D Rowe & Co Ltd, City Sales, Terminus Road, PO19 8TX	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	**15**

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 33**

ID	Location	Address	Details	
A	64m NE	EXTENSION TO INDUSTRIAL ESTATE, CHICHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S02765 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 04/07/1963 Effective Date: 04/07/1963 Revocation Date: 10/07/1996
1	85m E	SERVICE STATION, INDUSTRIAL ESTATE, CHICHESTER, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S01161 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 29/11/1961 Effective Date: 29/11/1961 Revocation Date: 31/03/1997
B	114m NE	ST. PANCRAS ENGINEERING LTD., TERMINUS ROAD, CHICHESTER, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01449 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 10/02/1988 Effective Date: 10/02/1988 Revocation Date: 14/09/2002
B	178m NE	CITY GARAGE, TERMINUS ROAD, CHICHESTER, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01366 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 07/12/1987 Effective Date: 07/12/1987 Revocation Date: -
B	199m NE	FACTORY ON INDUSTRIAL ESTATE, TERMINUS ROAD, CHICHESTER, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S01651 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 09/10/1967 Effective Date: 09/10/1967 Revocation Date: 06/06/1996
B	215m NE	EXTENSION TO INDUSTRIAL ESTATE, CHICHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S02765 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 04/07/1963 Effective Date: 04/07/1963 Revocation Date: 10/07/1996

ID	Location	Address	Details	
B	215m NE	EXTENSION TO INDUSTRIAL ESTATE, TERMINUS ROAD, CHICHESTER, WEST SUSSEX	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: S02765 Permit Version: 2 Receiving Water: FRESHWATER RIVER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 10/07/1996 Effective Date: 10/07/1996 Revocation Date: 03/12/1996
B	227m NE	MILK RETAIL DEPOT, CHICHESTER IND EST, CHICHESTER, WEST SUSSEX	Effluent Type: UNSPECIFIED Permit Number: N01337 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 03/08/1981 Effective Date: 03/08/1981 Revocation Date: 01/04/1997
6	277m N	CHICHESTER COLLEGE CAR PARK, CHICHESTER, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01793 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 01/08/1988 Effective Date: 01/08/1988 Revocation Date: 01/07/1991
F	296m E	FORMER CHICHESTER PRESS SITE, TERMINUS RD INDUSTRIAL ESTATE, CHICHESTER, WEST SUSSEX	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: P09083 Permit Version: 1 Receiving Water: INTO LAND	Status: REVOKED UNDER EPR 2010 Issue date: 07/02/2001 Effective Date: 07/02/2001 Revocation Date: 02/09/2010
G	350m E	GAS PIPELINE AT CHICHESTER BY-PAS, GAS PIPELINE AT CHICHESTER BY-PA	Effluent Type: UNSPECIFIED Permit Number: S01769 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 08/11/1968 Effective Date: 08/11/1968 Revocation Date: 01/07/1991
G	350m E	GAS PIPELINE AT CHICHESTER BY-PAS, GAS PIPELINE AT CHICHESTER BY-PA	Effluent Type: UNSPECIFIED Permit Number: S01769 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 08/11/1968 Effective Date: 08/11/1968 Revocation Date: 01/07/1991
7	407m N	WESTGATE BY PASS, WESTGATE FIELDS, CHICHESTER, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P00716 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 12/11/1986 Effective Date: 12/11/1986 Revocation Date: 31/03/1997

ID	Location	Address	Details	
10	477m W	MANOR FARM, APPLEDRAM LANE SOUTH, CHICHESTER, WEST SUSSEX, PO20 7PE	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: N01346 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 03/08/1981 Effective Date: 03/08/1981 Revocation Date: 31/03/1997
11	480m N	COLLEGE OF FURTHER EDUCATION, WESTGATE FIELDS, CHICHESTER, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S01050 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 12/05/1964 Effective Date: 12/05/1964 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	6

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 33**

ID	Location	Details	
2	129m SE	Incident Date: 27/09/2012 Incident Identification: 1042373 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
3	150m S	Incident Date: 14/07/2003 Incident Identification: 173527 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5	254m SE	Incident Date: 08/07/2003 Incident Identification: 171951 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
I	475m E	Incident Date: 08/08/2002 Incident Identification: 98505 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)
I	475m E	Incident Date: 08/08/2002 Incident Identification: 98505 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)
12	482m W	Incident Date: 12/08/2003 Incident Identification: 181401 Pollutant: Oils and Fuel Pollutant Description: Other Oil or Fuel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) 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	2

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 33**

ID: B, Location: 188m NE, Permit: BX2795IN
Operator: Princes Ltd
Activity: TREATMENT AND PROCESSING (OTHER THAN PACKAGING) OF ONLY ANIMAL RAW MATERIALS (OTHER THAN MILK ONLY) INTENDED FOR PRODUCTION OF FOOD OR FEED WITH A FINISHED PRODUCT CAPACITY GREATER THAN 75 T/D
Address: Princes Limited Shippams Foods Terminus Road Chichester West Sussex PO19 8TX
Sector: Food & Drink, Sub-sector: Food & Drink
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Total organic carbon (TOC)	50000kg	10859kg

ID: B, Location: 188m NE, Permit: BX2795IN
Operator: Princes Ltd
Activity: TREATMENT AND PROCESSING (OTHER THAN PACKAGING) OF ONLY ANIMAL RAW MATERIALS (OTHER THAN MILK ONLY) INTENDED FOR PRODUCTION OF FOOD OR FEED WITH A FINISHED PRODUCT CAPACITY GREATER THAN 75 T/D
Address: Princes Limited Shippams Foods Terminus Road Chichester West Sussex PO19 8TX
Sector: Food & Drink, Sub-sector: Food & Drink
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	7518000kg

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

4.20 Pollution inventory waste transfers

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 33**

ID: B, Location: 188m NE, Permit: BX2795IN
Operator: Princes Ltd
Activity: TREATMENT AND PROCESSING (OTHER THAN PACKAGING) OF ONLY ANIMAL RAW MATERIALS (OTHER THAN MILK ONLY) INTENDED FOR PRODUCTION OF FOOD OR FEED WITH A FINISHED PRODUCT CAPACITY GREATER THAN 75 T/D
Address: Princes Limited Shippams Foods Terminus Road Chichester West Sussex PO19 8TX
Sector: Food & Drink, Sub-sector: Food & Drink
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R10	Land treatment resulting in benefit to agriculture or ecological improvement	981	Absolute Value	02 02 04	sludges from on-site effluent treatment	No
R1	Use principally as a fuel or other means to generate energy	611	Absolute Value	02 01 99	wastes not otherwise specified	No
R5	Recycling/reclamation of other inorganic materials	224	Absolute Value	15 01 01	paper and cardboard packaging	No
R5	Recycling/reclamation of other inorganic materials	29	Absolute Value	15 01 02	plastic packaging	No
R5	Recycling/reclamation of other inorganic materials	84	Absolute Value	15 01 04	metallic packaging	No
R5	Recycling/reclamation of other inorganic materials	7	Absolute Value	20 03 01	mixed municipal waste	No

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

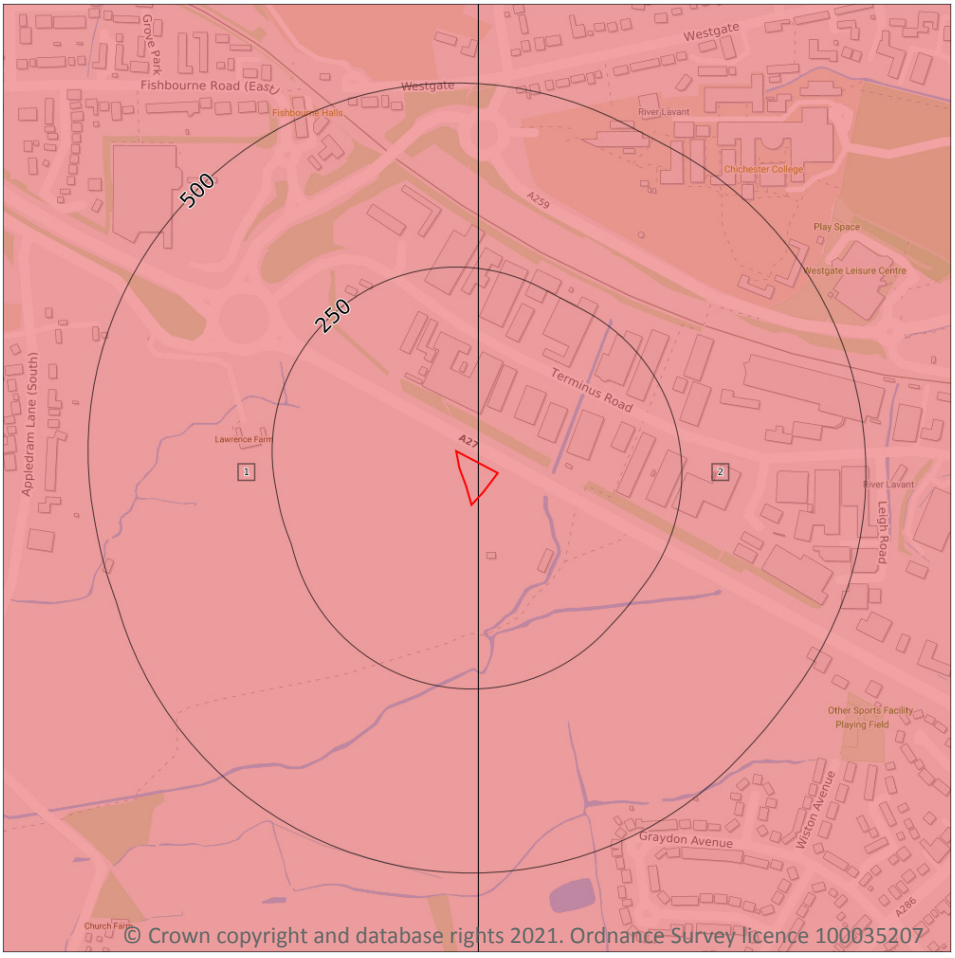
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

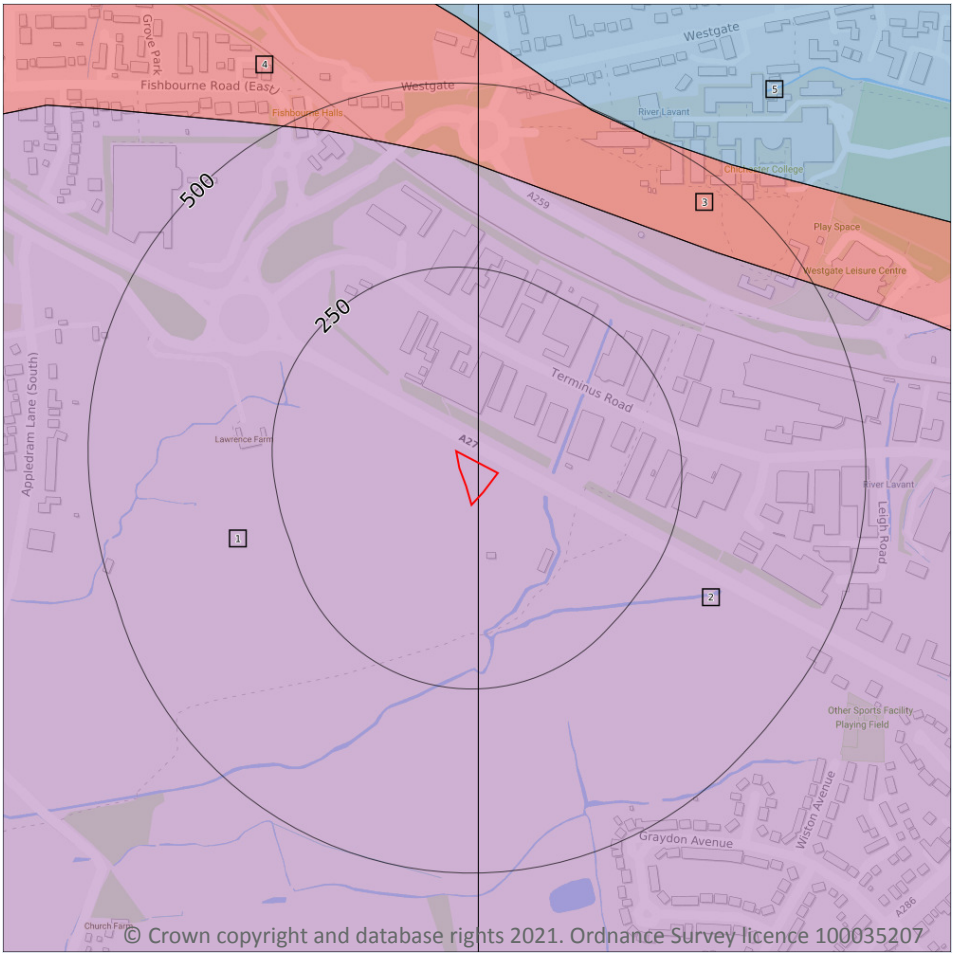
Aquifer status of groundwater held within superficial geology.

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

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

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	5

Aquifer status of groundwater held within bedrock geology.

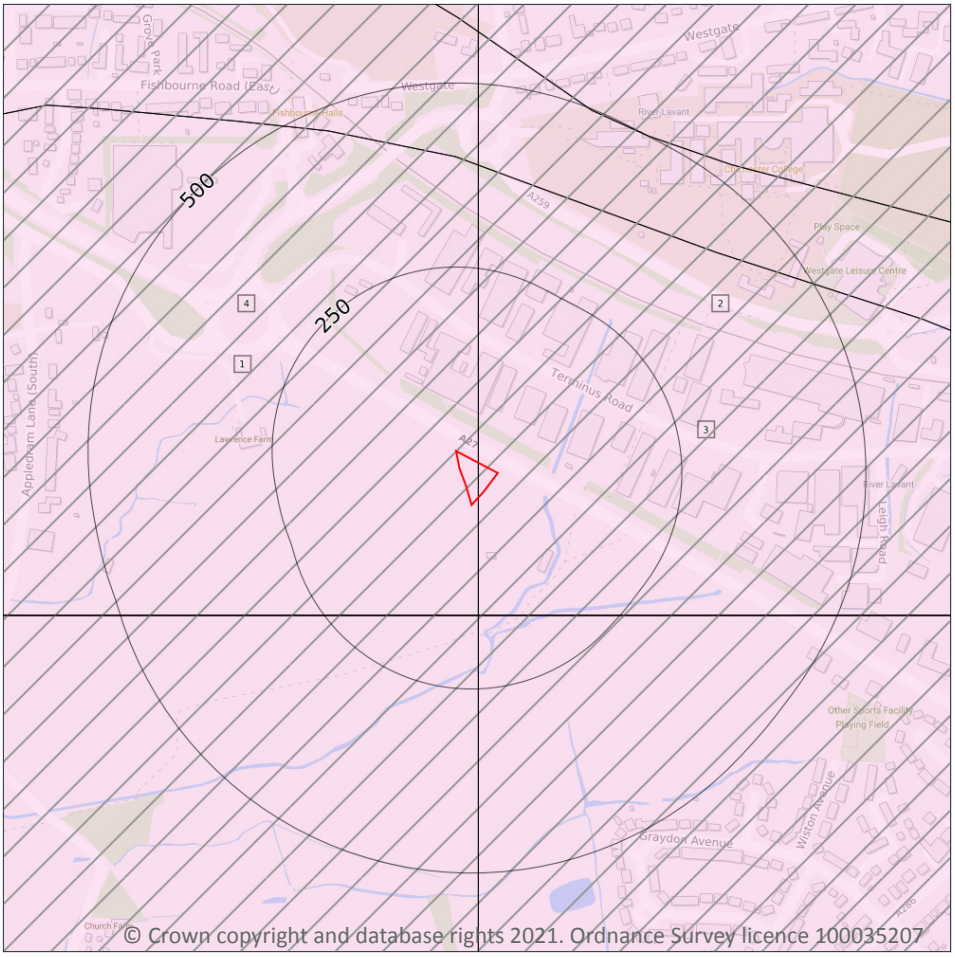
Features are displayed on the Bedrock aquifer map on **page 50**

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

ID	Location	Designation	Description
3	375m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	390m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	498m NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

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

Bedrock vulnerability

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

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	2

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

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

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

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low 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	2

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	43.0%
4	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.	4.0%

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

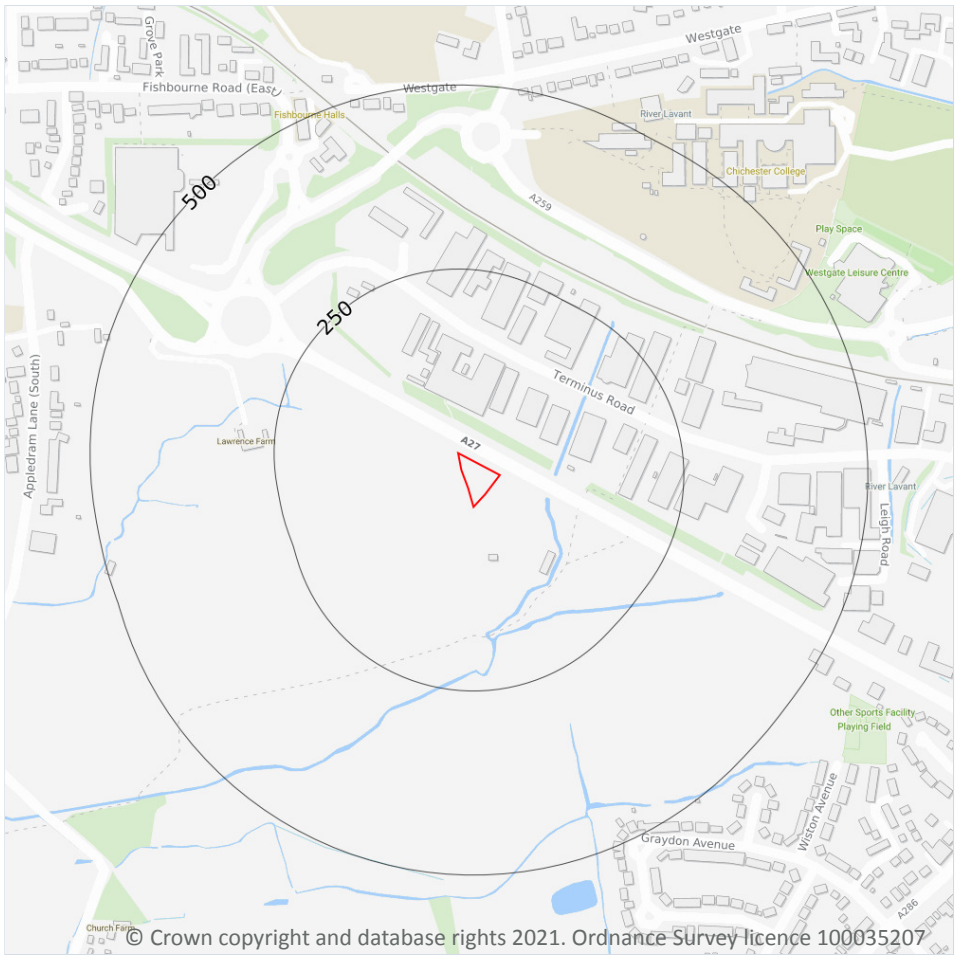
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

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

5.6 Groundwater abstractions

Records within 2000m	9

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

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

ID	Location	Details	
-	1491m NE	Status: Historical Licence No: 10/41/521701 Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: EAST WALLS, CHICHESTER Data Type: Point Name: Shippham Easting: 486370 Northing: 104840	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 11/01/1966 Version End Date: -
-	1572m S	Status: Active Licence No: 27/188 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE AT MILE POND FARM, BIRDHAM Data Type: Point Name: Messers GC Read & DW Langmead Easting: 484460 Northing: 102670	Annual Volume (m^3): 25,000 Max Daily Volume (m^3): 400 Original Application No: - Original Start Date: 20/05/1996 Expiry Date: - Issue No: 102 Version Start Date: 31/03/2016 Version End Date: -
-	1595m SE	Status: Historical Licence No: 10/41/530103 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: KINGSHAM FARM ESTATE, CHICHESTER Data Type: Point Name: West Sussex County Council Easting: 486290 Northing: 103220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/02/1996 Version End Date: -
-	1597m SE	Status: Historical Licence No: 10/41/530107 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: EASTERN FARM, KINGSHAM, CHICHESTER Data Type: Point Name: West Sussex County Council Easting: 486440 Northing: 103450	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/02/1996 Version End Date: -
-	1647m W	Status: Historical Licence No: 10/41/521502 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: FISHBOURNE PS Data Type: Point Name: Portsmouth Water Ltd Easting: 483390 Northing: 104690	Annual Volume (m^3): 3,741,358 Max Daily Volume (m^3): 13638 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 09/06/2009 Version End Date: -

ID	Location	Details	
-	1652m NE	Status: Historical Licence No: 27/178 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: POINT A AT ST RICHARDS HOSPITAL Data Type: Point Name: NHS Royal West Sussex Trust Easting: 486100 Northing: 105450	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 06/05/1994 Version End Date: -
-	1669m W	Status: Active Licence No: 10/41/521502 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: FISHBOURNE PS Data Type: Point Name: Portsmouth Water Ltd Easting: 483374 Northing: 104712	Annual Volume (m^3): 3,740,909 Max Daily Volume (m^3): 13,636 Original Application No: - Original Start Date: 08/11/1966 Expiry Date: - Issue No: 102 Version Start Date: 15/09/2008 Version End Date: -
-	1725m NE	Status: Active Licence No: SO/041/0027/008 Details: Heat Pump Direct Source: Southern Region Groundwater Point: BOREHOLE 1 Data Type: Point Name: Chichester Festival Theatre Easting: 486187 Northing: 105470	Annual Volume (m^3): 52,600 Max Daily Volume (m^3): 154 Original Application No: - Original Start Date: 30/04/2014 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 30/04/2014 Version End Date: -
-	1756m NE	Status: Active Licence No: SO/041/0027/008 Details: Heat Pump Direct Source: Southern Region Groundwater Point: BOREHOLE 2 Data Type: Point Name: Chichester Festival Theatre Easting: 486215 Northing: 105487	Annual Volume (m^3): 52,600 Max Daily Volume (m^3): 154 Original Application No: - Original Start Date: 30/04/2014 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 30/04/2014 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**3**

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

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

ID	Location	Details	
-	1366m S	Status: Active Licence No: 10/41/530102 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: LAKE AT DONNINGTON MANOR FARM, CHICHESTER Data Type: Point Name: Brown Easting: 485200 Northing: 102800	Annual Volume (m^3): 10,229 Max Daily Volume (m^3): 240.90 Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1795m SE	Status: Historical Licence No: 10/41/530105 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: CHICHESTER CANAL Data Type: Line Name: C J Spiby T/A Spiby Partners Easting: 485440 Northing: 101950	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 23/03/2000 Version End Date: -
-	1796m SE	Status: Active Licence No: 10/41/530105 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: CHICHESTER CANAL POINTS A-B Data Type: Line Name: C J Spiby T/A Spiby Partners Easting: 486230 Northing: 102850	Annual Volume (m^3): 26,367 Max Daily Volume (m^3): 545.50 Original Application No: - Original Start Date: 02/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 16/04/2019 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**2**

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

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

ID	Location	Details	
-	1647m W	Status: Historical Licence No: 10/41/521502 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: FISHBOURNE PS Data Type: Point Name: Portsmouth Water Ltd Easting: 483390 Northing: 104690	Annual Volume (m^3): 3,741,358 Max Daily Volume (m^3): 13638 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 09/06/2009 Version End Date: -
-	1669m W	Status: Active Licence No: 10/41/521502 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: FISHBOURNE PS Data Type: Point Name: Portsmouth Water Ltd Easting: 483374 Northing: 104712	Annual Volume (m^3): 3,740,909 Max Daily Volume (m^3): 13,636 Original Application No: - Original Start Date: 08/11/1966 Expiry Date: - Issue No: 102 Version Start Date: 15/09/2008 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	**0**

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

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

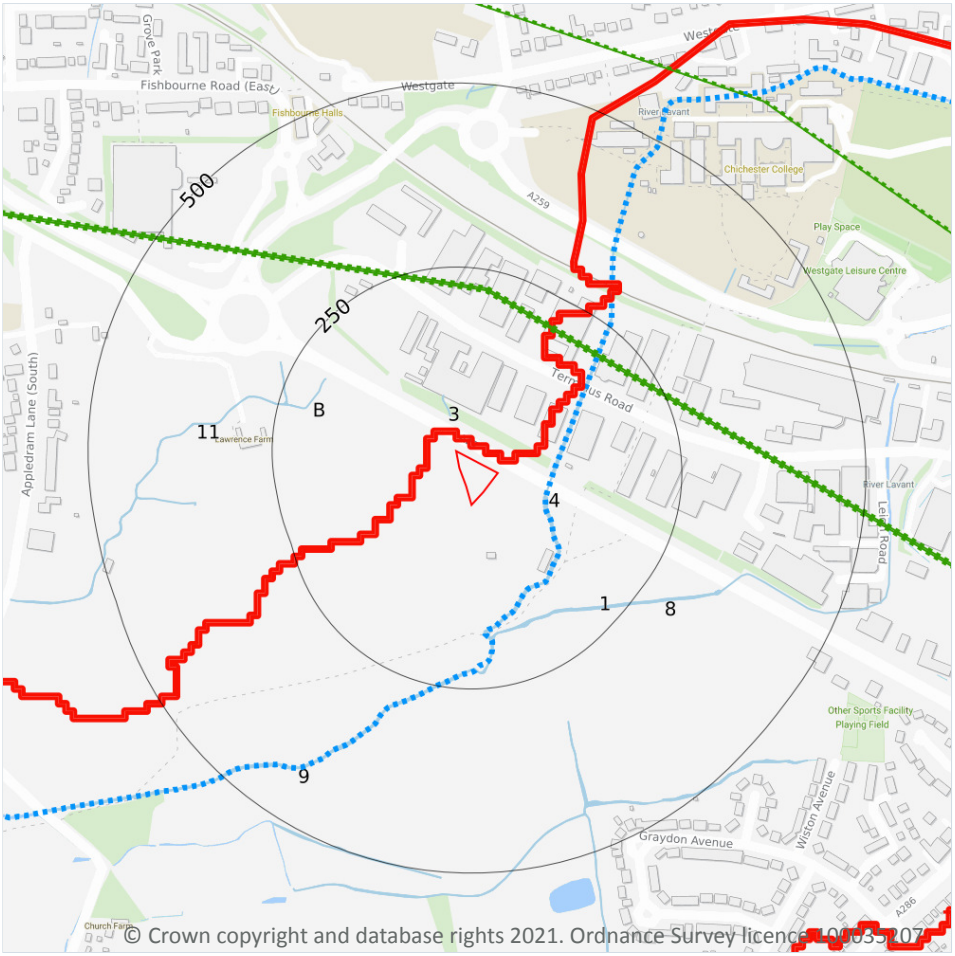
5.10 Source Protection Zones (confined aquifer)

Records within 500m	**0**

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

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

6 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	**7**

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

Features are displayed on the Hydrology map on **page 60**

ID	Location	Type of water feature	Ground level	Permanence	Name
3	47m N	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
4	71m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Lavant
8	176m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Lavant
9	184m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Lavant
B	202m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	240m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	240m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**4**

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 60**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	**1**

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

Features are displayed on the Hydrology map on **page 60**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River WB catchment**	**Lavant (Sussex)**	**GB107041006520**	**Western Streams**	**Arun and Western Streams**

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 60**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
5	72m E	River	Lavant (Sussex)	GB107041006520	Poor	Good	Poor	2016

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

6.5 WFD Groundwater bodies

Records on site	**1**

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

Features are displayed on the Hydrology map on **page 60**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Chichester chalk**	**GB40701G505200**	**Poor**	**Poor**	**Poor**	**2015**

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

7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

Site Outline
Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

Highest risk on site	**1 in 1000 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.1m - 0.3m**

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

Features are displayed on the Surface water flooding map on **page 66**

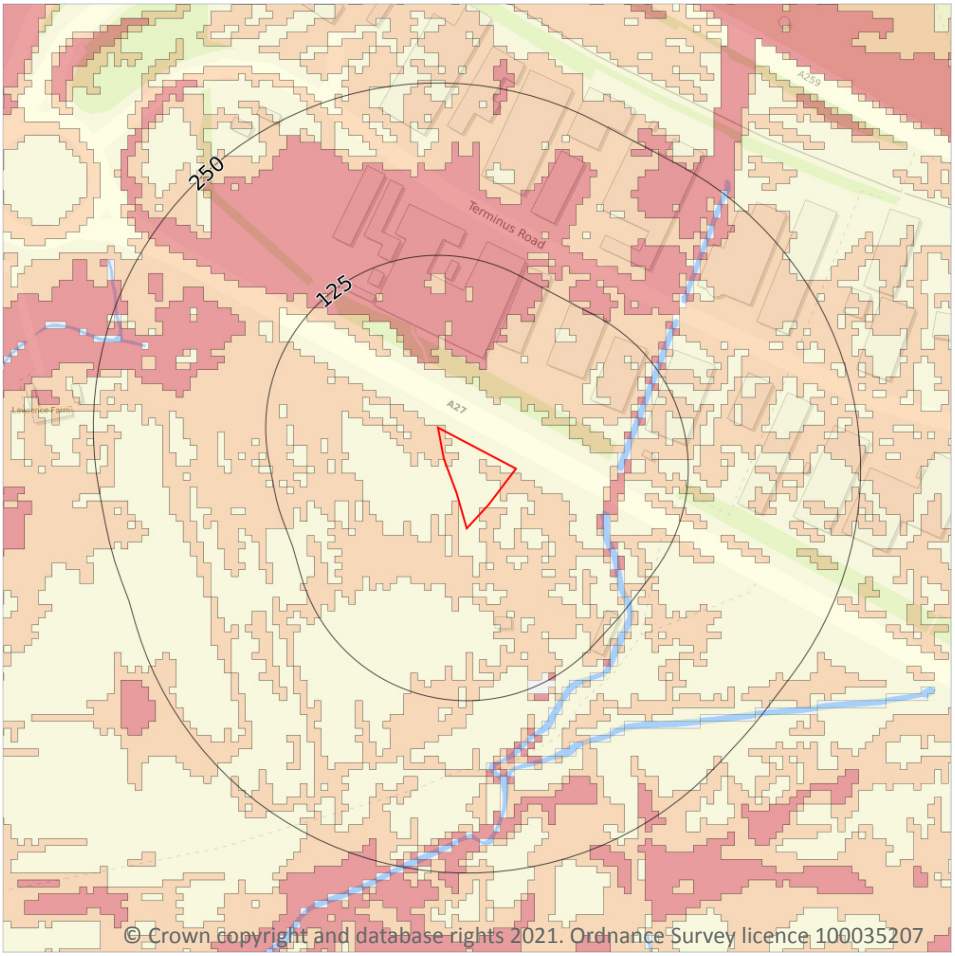
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

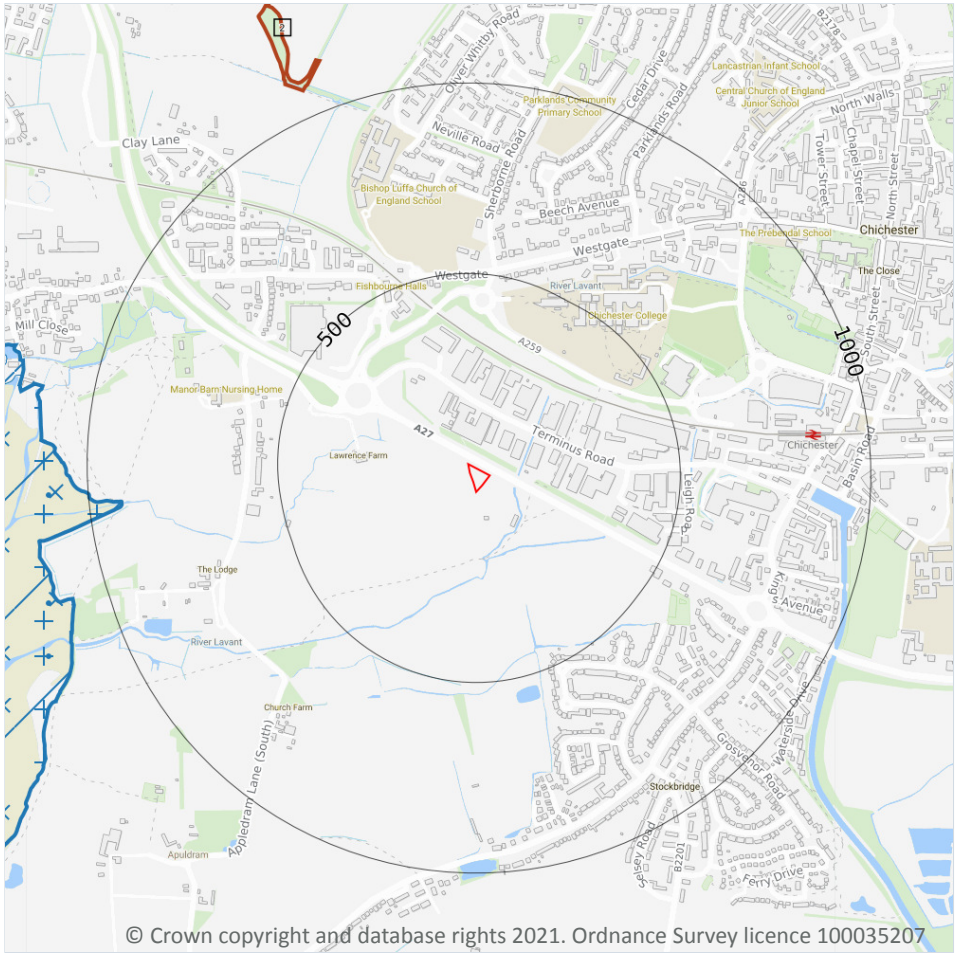
Highest risk on site	**Moderate-High**
Highest risk within 50m	**High**

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 68**

This data is sourced from Ambiental 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)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	1

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 69**

ID	Location	Name	Data source
1	914m W	Chichester Harbour	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	1

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 69**

ID	Location	Site	Details
A	914m W	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 69**

ID	Location	Name	Features of interest	Habitat description	Data source
A	914m W	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 **1**

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 69**

ID	Location	Name	Species of interest	Habitat description	Data source
A	914m W	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	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	Natural England

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

10.5 National Nature Reserves (NNR)

Records within 2000m **0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

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

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

10.7 Designated Ancient Woodland

Records within 2000m	2

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

Features are displayed on the Environmental designations map on **page 69**

ID	Location	Name	Woodland Type
2	1071m NW	Unknown	Ancient & Semi-Natural Woodland
-	1786m N	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	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

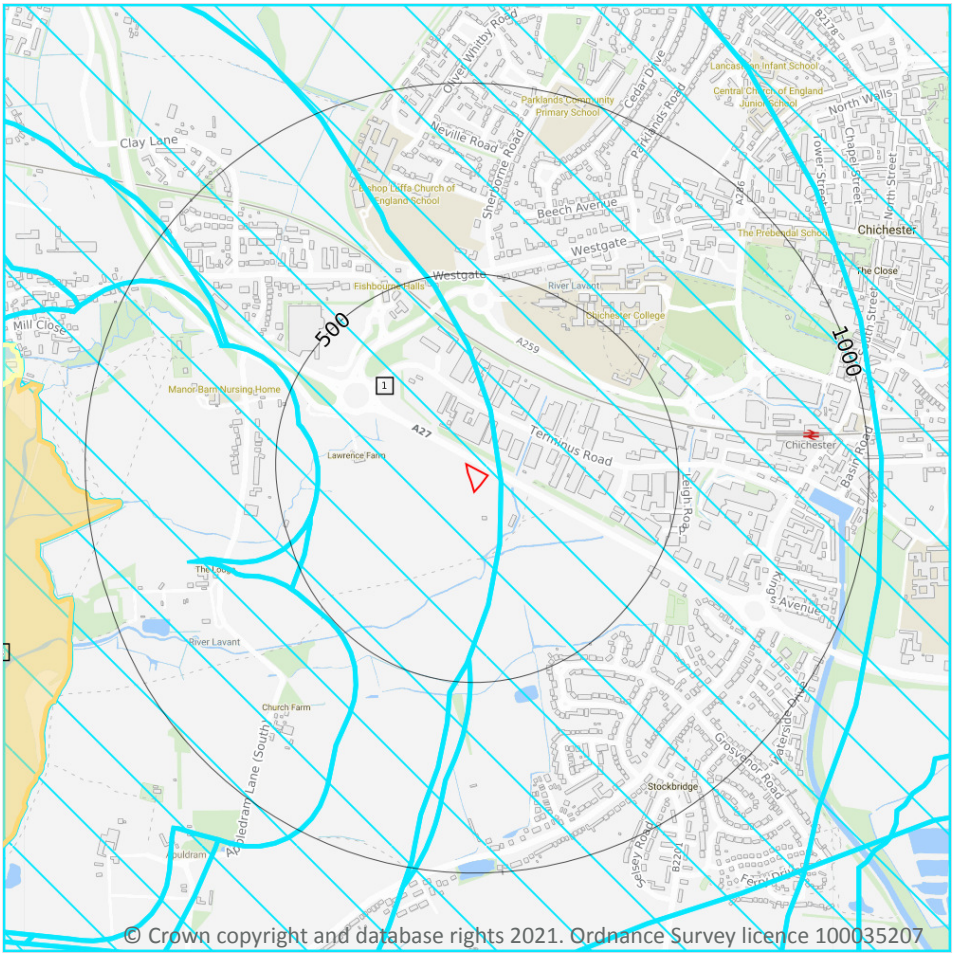
Records within 2000m	9

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**	**ET2**	**Existing**
878m W	Chichester,Langstone and Portsmouth Harbours Eutrophic NVZ (TraC)	Eutrophic Water	ET2	Existing
1620m E	Sussex Chalk	Groundwater	G56	Changed
1742m NW	Sussex Chalk	Groundwater	G56	Changed
1760m N	Chichester,Langstone and Portsmouth Harbours Eutrophic NVZ (TraC)	Eutrophic Water	ET2	Existing
1769m NE	Sussex Chalk	Groundwater	G56	Changed
1819m SE	Pagham Rife NVZ	Surface Water	S685	Changed
1967m NW	Sussex Chalk	Groundwater	G56	Changed
1967m NW	Chichester,Langstone and Portsmouth Harbours Eutrophic NVZ (TraC)	Eutrophic Water	ET2	Existing

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

SSSI Impact Zones and Units



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Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 75**

ID	Location	Type of developments requiring consultation
1	On site	**Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Wind and Solar - 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 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply Notes: For new residential development in this area financial contributions are required to mitigate increased recreational disturbance on coastal SPAs and Ramsar Sites. Check with Local Planning Authority.SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**6**

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 75**

ID:	8
Location:	914m W
SSSI name:	Chichester Harbour
Unit name:	Fishbourne Channel Mud
Broad habitat:	Littoral Sediment
Condition:	Unfavourable - No change

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	01/10/2009
H1310 Salicornia and other annuals colonising mud and sand	Favourable	21/02/2008
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Favourable	21/02/2008
Littoral sediment	Unfavourable - Recovering	13/08/2014
SM4-28 - Saltmarsh	Unfavourable - Recovering	13/08/2014

ID: 12
Location: 1193m W
SSSI name: Chichester Harbour
Unit name: Fishbourne Swamp
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Unfavourable - Recovering	12/09/2008
H1140 Mudflats and sandflats not covered by seawater at low tide	Unfavourable - Recovering	12/09/2008
H1310 Salicornia and other annuals colonising mud and sand	Unfavourable - Recovering	12/09/2008
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Unfavourable - Recovering	12/09/2008
Littoral sediment	Unfavourable - Recovering	13/08/2014
Lowland fens, including basin, flood-plain, open water transition and valley fens	Unfavourable - Recovering	13/08/2014
S1016 Desmoulin's whorl snail, Vertigo moulinsiana	Unfavourable - Recovering	12/09/2008
SM4-28 - Saltmarsh	Unfavourable - Recovering	13/08/2014

ID: -
Location: 1232m W
SSSI name: Chichester Harbour
Unit name: 27 Mud
Broad habitat: Littoral Sediment
Condition: Unfavourable - No change
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	01/10/2009
H1310 Salicornia and other annuals colonising mud and sand	Favourable	21/02/2008
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Favourable	21/02/2008
Littoral sediment	Unfavourable - Recovering	13/08/2014
SM4-28 - Saltmarsh	Unfavourable - Recovering	13/08/2014

ID: -
Location: 1585m W
SSSI name: Chichester Harbour
Unit name: 28
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
H1130 Estuaries	Not Recorded	01/01/1900
H1310 Salicornia and other annuals colonising mud and sand	Not Recorded	01/01/1900
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Not Recorded	01/01/1900
SM4-28 - Saltmarsh	Favourable	13/08/2014

ID: -
Location: 1588m W
SSSI name: Chichester Harbour
Unit name: Non-Sac Grassland Sw Of Fishbourne
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Mixed	Favourable	01/10/2010

ID: -
Location: 1938m SW
SSSI name: Chichester Harbour
Unit name: Copperas Point
Broad habitat: Littoral Sediment
Condition: Unfavourable - No change
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	Not Recorded	01/01/1900
H1310 Salicornia and other annuals colonising mud and sand	Not Recorded	01/01/1900
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Not Recorded	01/01/1900
Littoral sediment	Favourable	13/08/2014
SM4-28 - Saltmarsh	Favourable	13/08/2014

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.

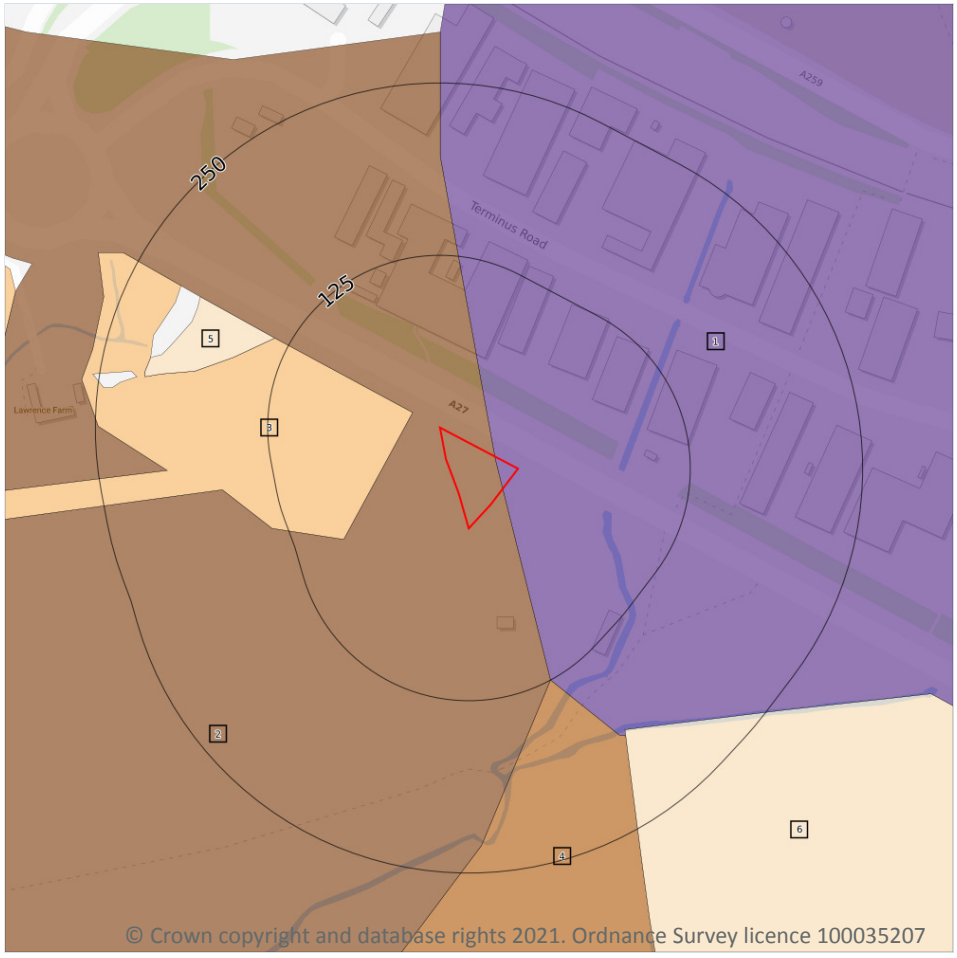
11.7 Registered Parks and Gardens

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	6

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 82**

ID	Location	Classification	Description
1	**On site**	**Urban**	**-**
2	**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.**

ID	Location	Classification	Description
3	23m NW	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
4	125m SE	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
5	136m NW	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
6	185m SE	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m	0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

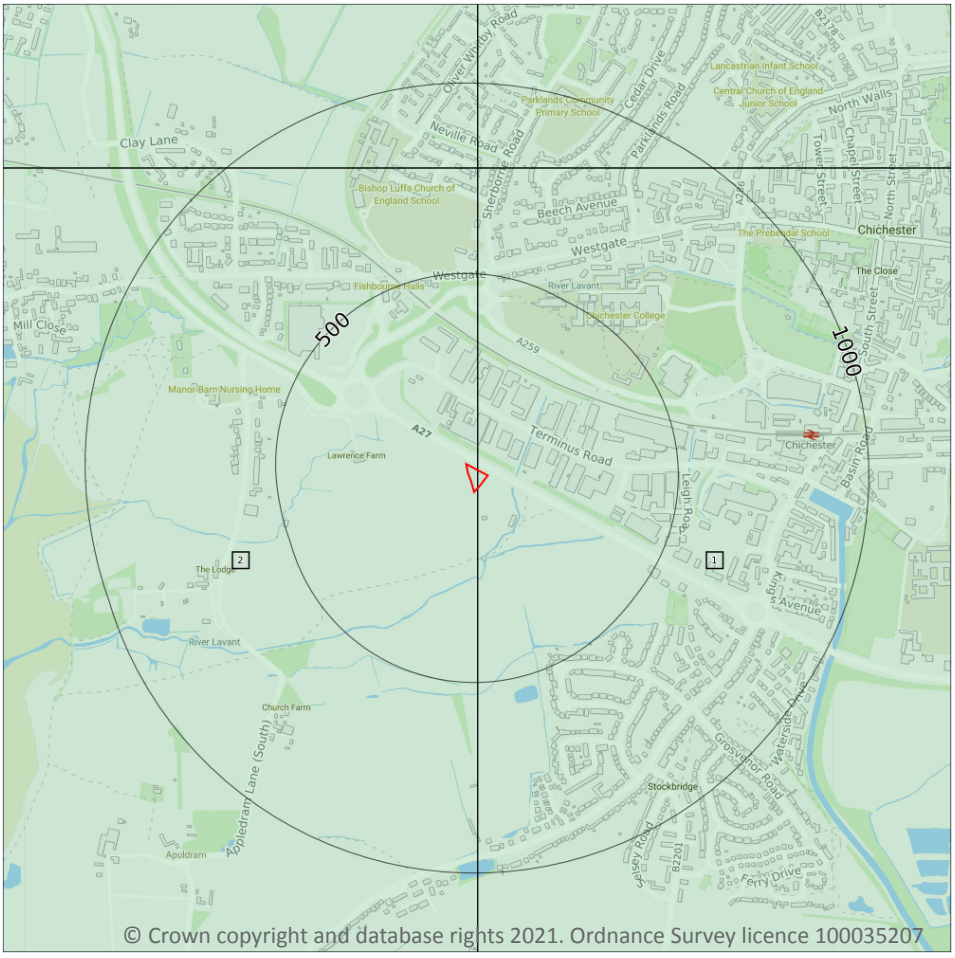
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	2

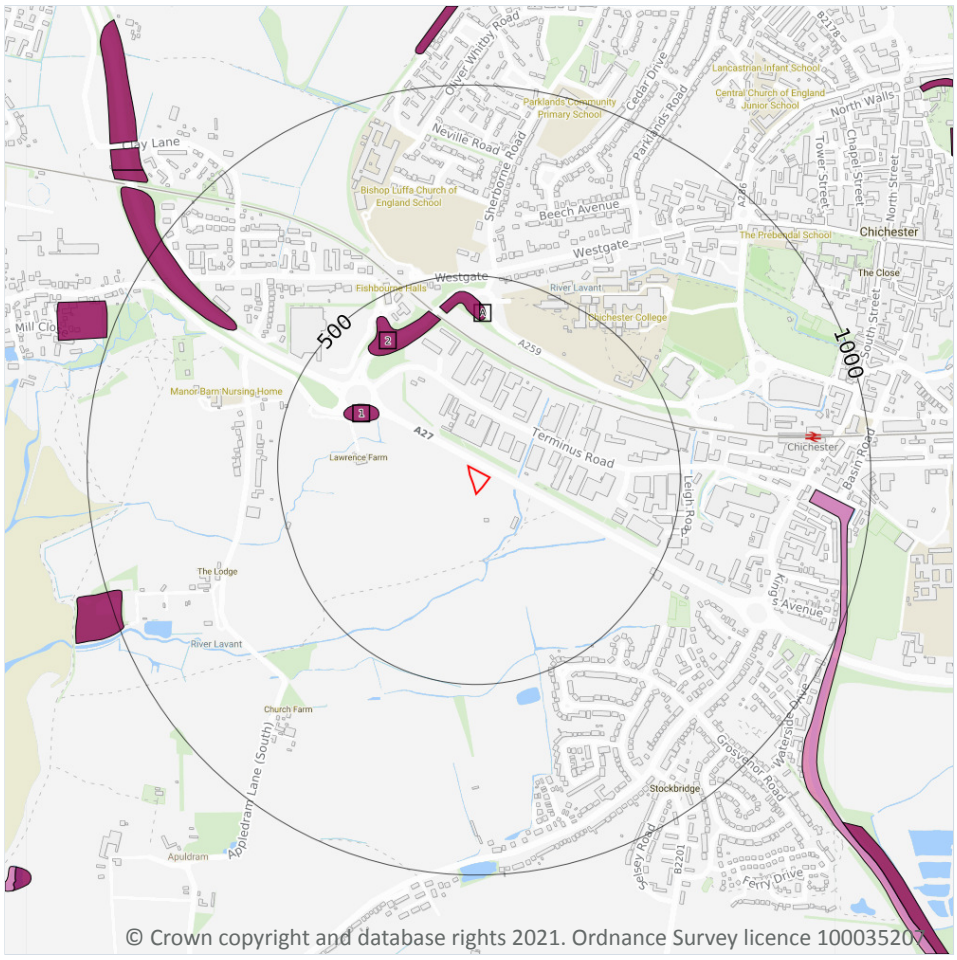
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 86**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SU80SE**
2	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SU80SW**

This data is sourced from the British Geological Survey.

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



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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	4

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 87**

ID	Location	LEX Code	Description	Rock description
1	269m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	354m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	384m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	384m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

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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 **23**

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 89**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**RTDU-XSZC**	**River Terrace Deposits (undifferentiated) - Sand, Silt And Clay**	**Sand, Silt And Clay**
2	**On site**	**RTDU-XSZC**	**River Terrace Deposits (undifferentiated) - Sand, Silt And Clay**	**Sand, Silt And Clay**
3	134m NW	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay

ID	Location	LEX Code	Description	Rock description
4	149m S	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay
5	156m NW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
6	163m S	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay
7	177m NE	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay
8	211m W	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay
9	260m S	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
10	261m S	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay
11	266m NE	RTDU-XSZC	River Terrace Deposits (undifferentiated) - Sand, Silt And Clay	Sand, Silt And Clay
12	320m N	RTDU-XSZC	River Terrace Deposits (undifferentiated) - Sand, Silt And Clay	Sand, Silt And Clay
13	332m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
14	338m W	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay
15	377m SW	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay
16	396m NW	ALF-XVSZC	Alluvial Fan Deposits - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay
17	401m W	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
18	403m S	RTDU-XSZC	River Terrace Deposits (undifferentiated) - Sand, Silt And Clay	Sand, Silt And Clay
19	446m S	RTDU-XSZC	River Terrace Deposits (undifferentiated) - Sand, Silt And Clay	Sand, Silt And Clay
20	452m SW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
21	475m SW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
22	477m S	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
23	480m S	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

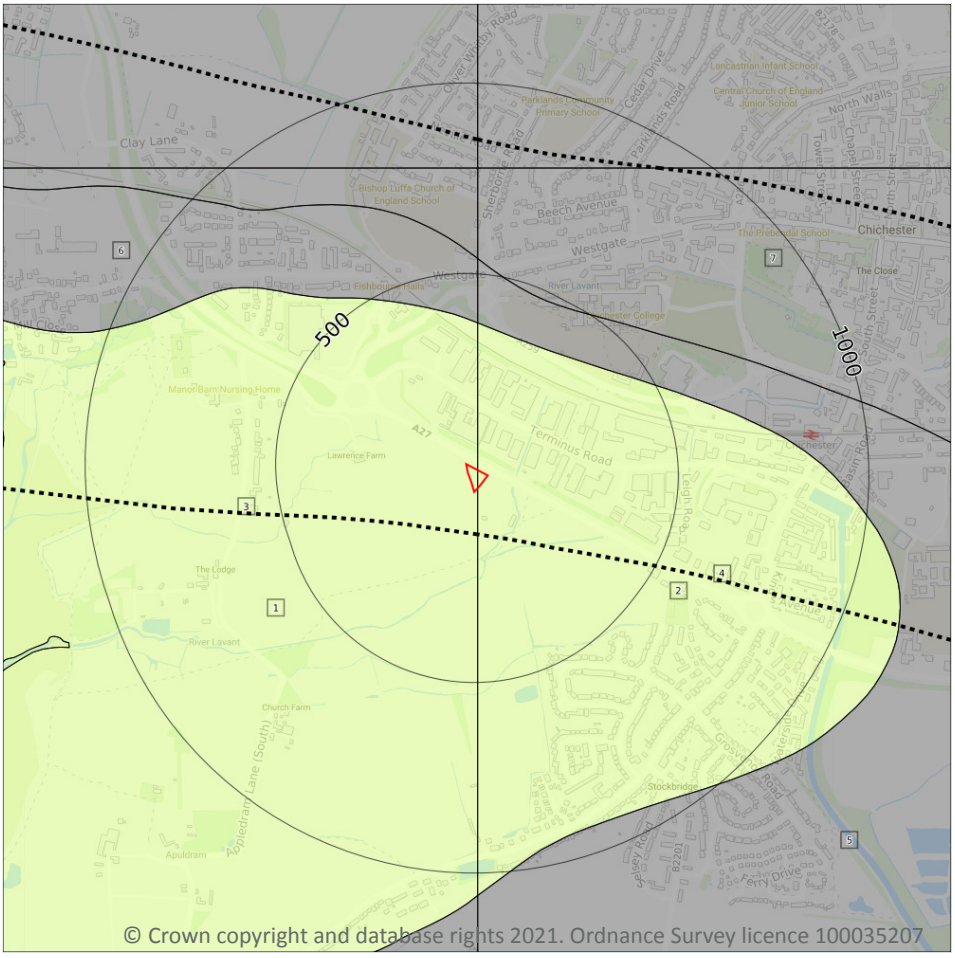
14.4 Landslip (10k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m	5

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 92**

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
2	**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**
5	355m N	LMBE-CLAY	Lambeth Group - Clay	Paleocene Epoch
6	372m N	LMBE-CLAY	Lambeth Group - Clay	Paleocene Epoch
7	477m NE	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**2**

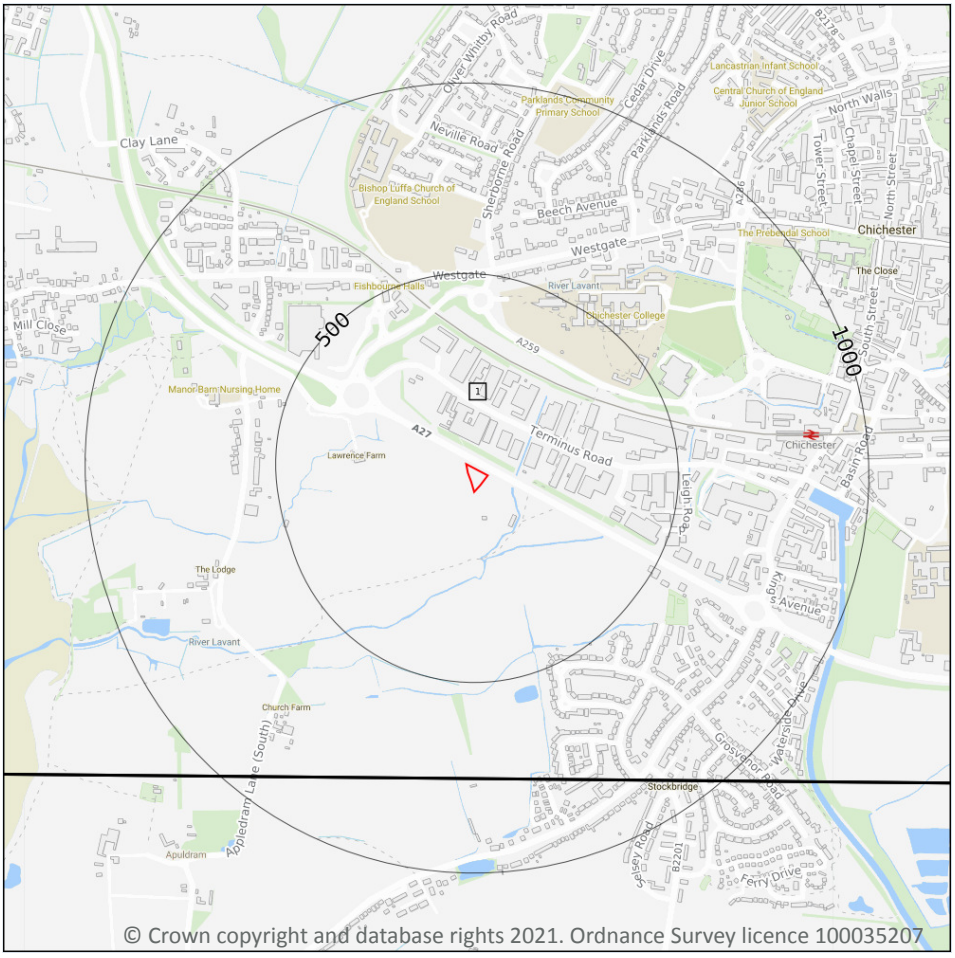
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 92**

ID	Location	Category	Description
3	109m S	FOLD_AXIS	Axial plane trace of major anticline
4	112m S	FOLD_AXIS	Axial plane trace of major anticline

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



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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 94**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW317_332_chichester_and_bognor_v4**

This data is sourced from the British Geological Survey.

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

15.2 Artificial and made ground (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

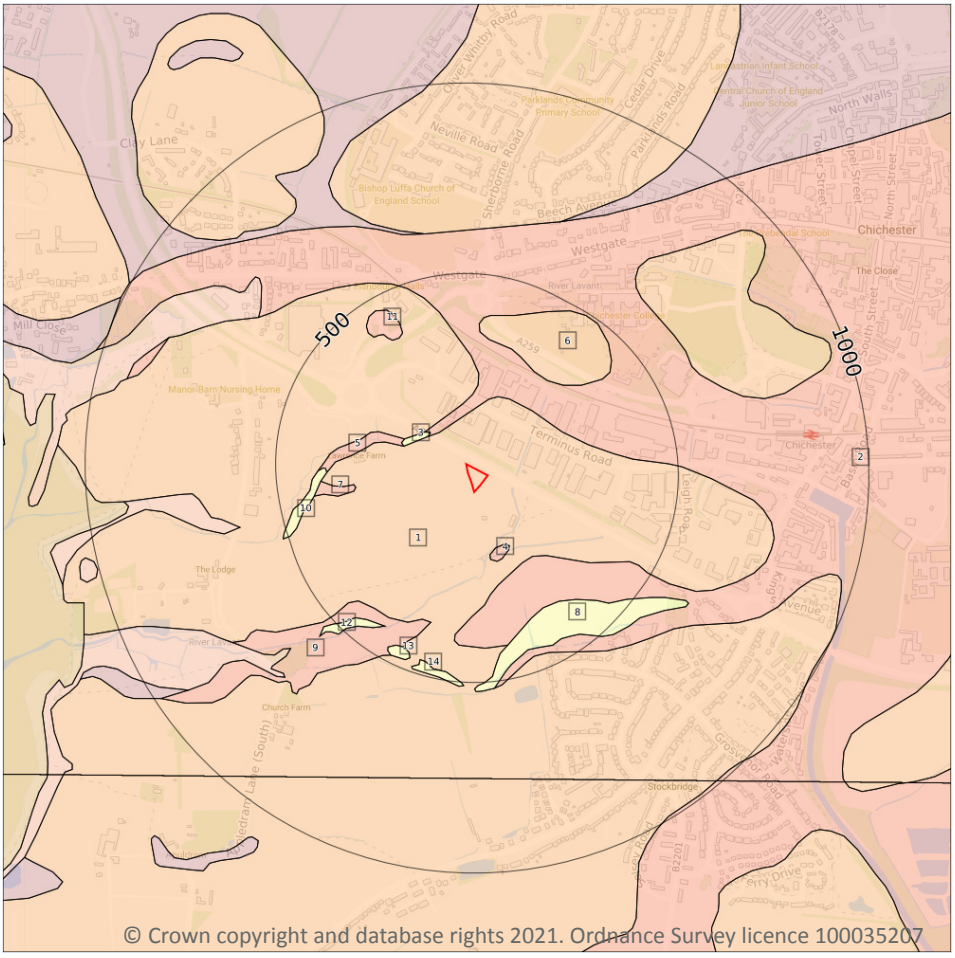
15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m **14**

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 96**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**RTDU-XSZC**	**RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)**	**SAND, SILT AND CLAY**
2	108m NW	ALF-XVSZC	ALLUVIAL FAN DEPOSITS	GRAVEL, SAND, SILT AND CLAY
3	123m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
4	157m SE	ALF-XVSZC	ALLUVIAL FAN DEPOSITS	GRAVEL, SAND, SILT AND CLAY

ID	Location	LEX Code	Description	Rock description
5	170m W	ALF-XVSZC	ALLUVIAL FAN DEPOSITS	GRAVEL, SAND, SILT AND CLAY
6	294m NE	RTDU-XSZC	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY
7	296m W	ALF-XVSZC	ALLUVIAL FAN DEPOSITS	GRAVEL, SAND, SILT AND CLAY
8	354m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
9	360m S	ALF-XVSZC	ALLUVIAL FAN DEPOSITS	GRAVEL, SAND, SILT AND CLAY
10	367m W	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
11	375m NW	ALF-XVSZC	ALLUVIAL FAN DEPOSITS	GRAVEL, SAND, SILT AND CLAY
12	423m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
13	447m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
14	462m S	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**	**Low**
On site	**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.

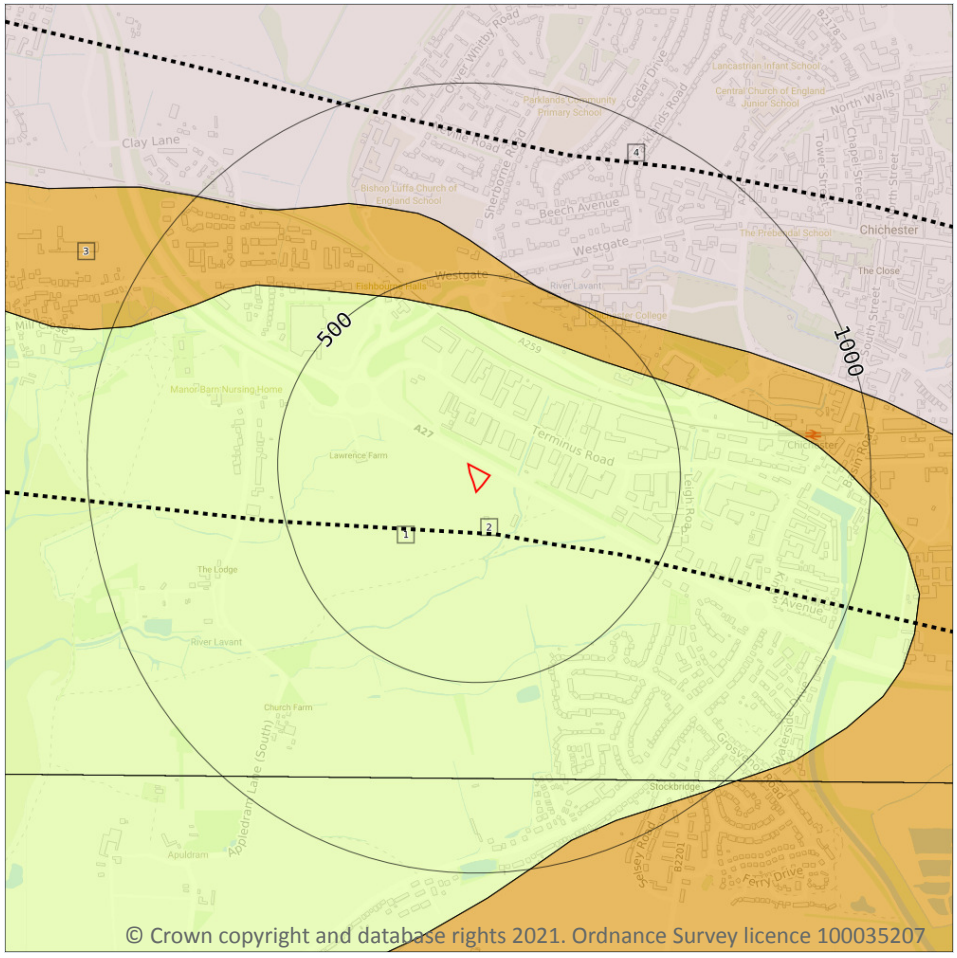
15.7 Landslip permeability (50k)

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 **3**

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

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

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**
3	375m N	LMBE-XCZS	LAMBETH GROUP - CLAY, SILT AND SAND	THANETIAN

ID	Location	LEX Code	Description	Rock age
4	498m NE	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**2**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Very High**	**Very High**
On site	**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 99**

ID	Location	Category	Description
2	108m S	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	2

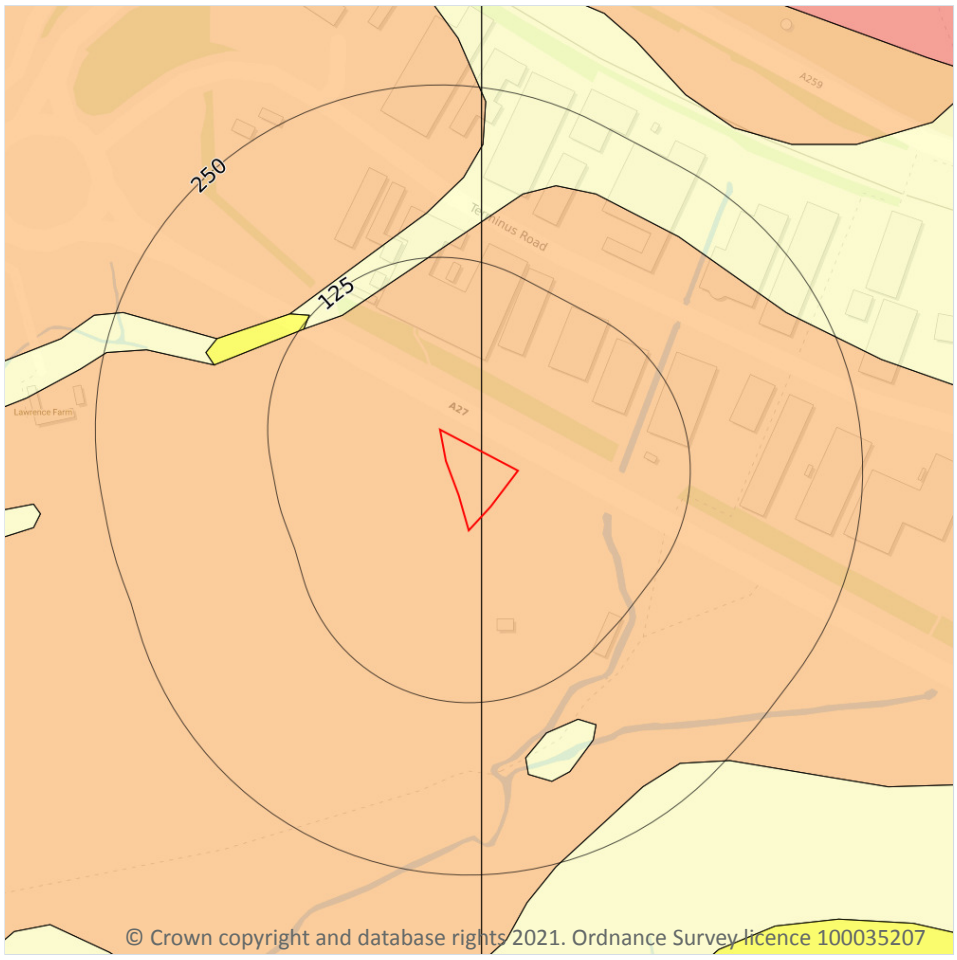
The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several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

Features are displayed on the Boreholes map on **page 101**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	160m NW	484830 104300	A27 HAVANT/CHICHESTER TP274	2.0	N	430143
2	167m NW	484850 104340	A27 HAVANT/CHICHESTER TP275	1.0	N	430144

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	1

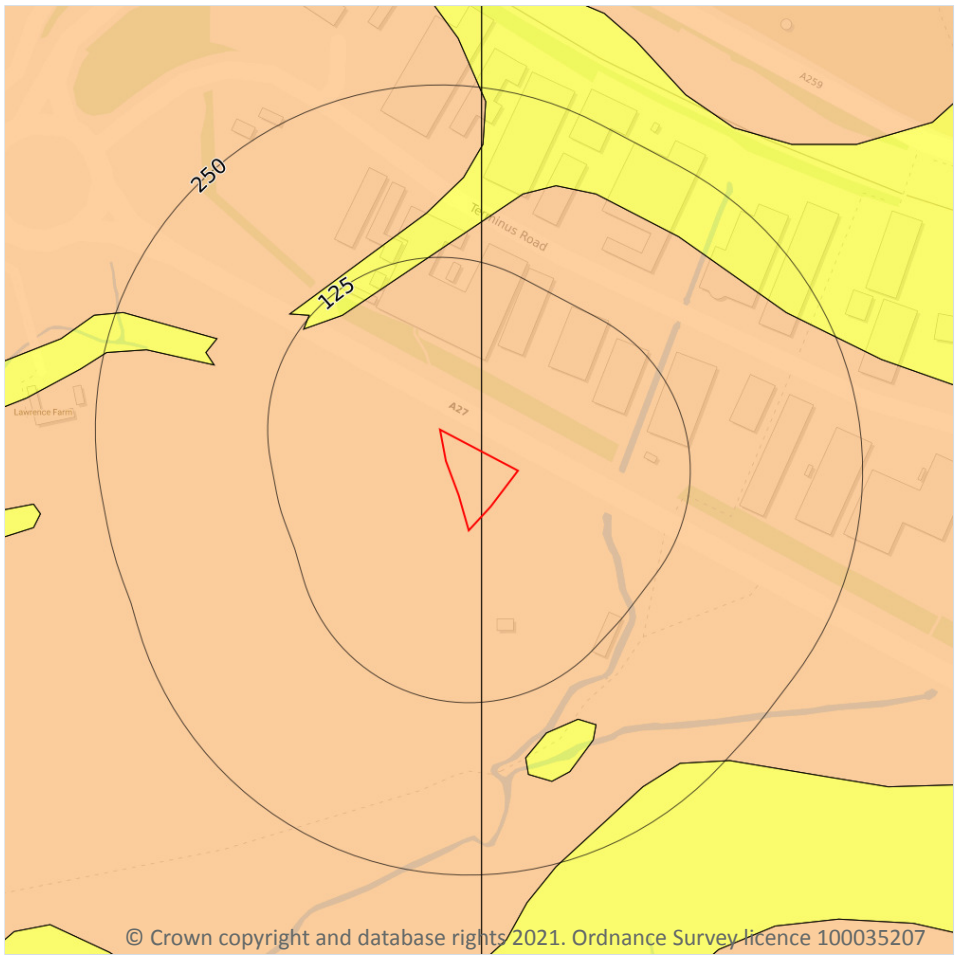
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 102**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

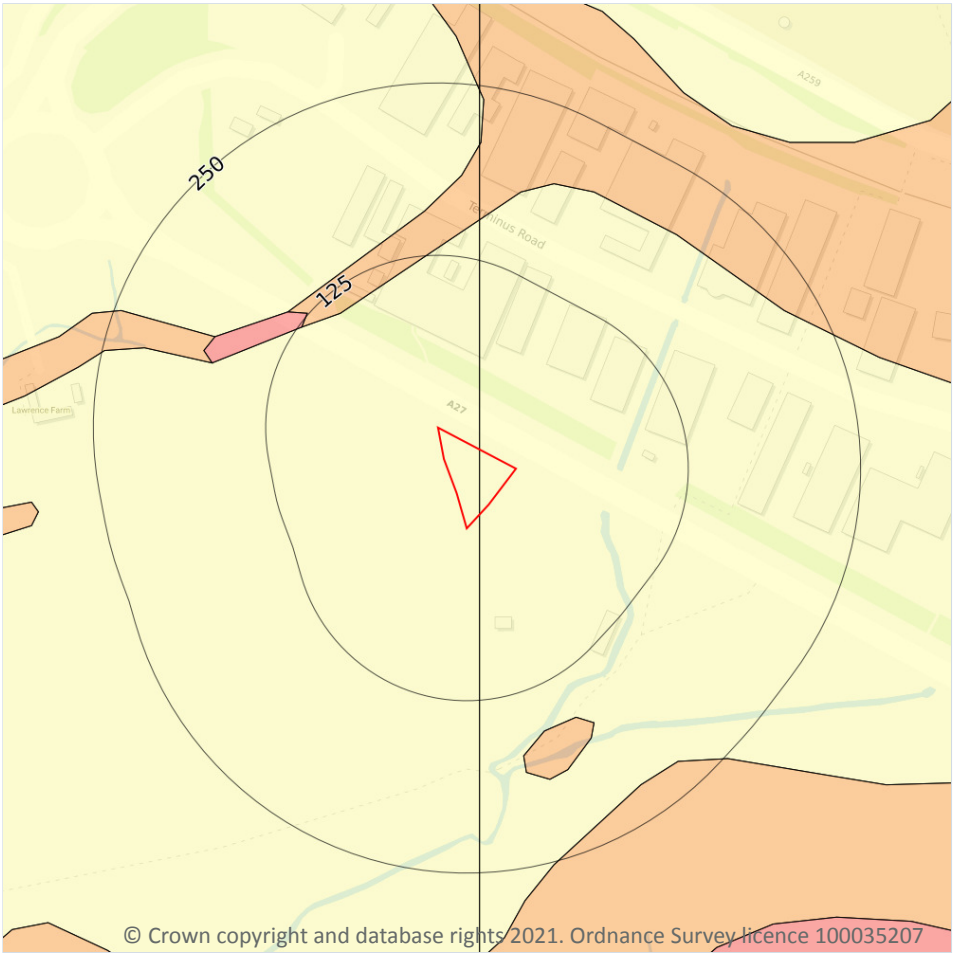
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 103**

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	1

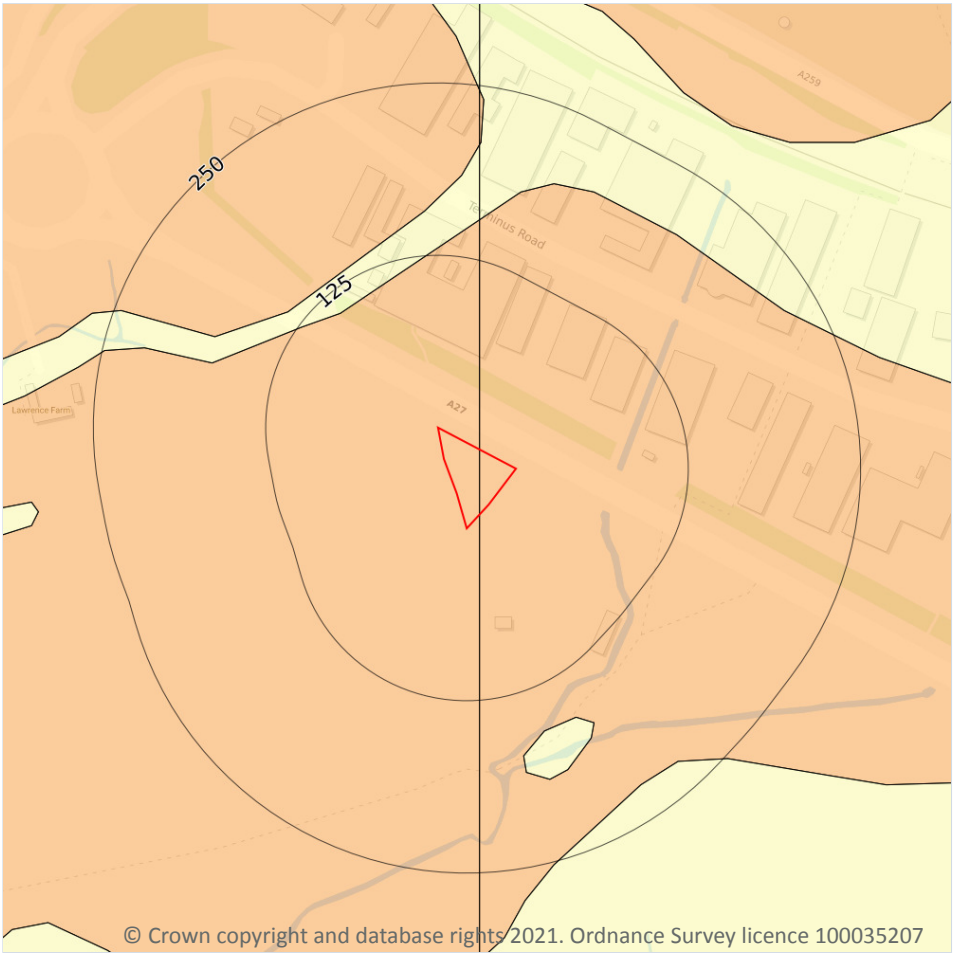
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 104**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

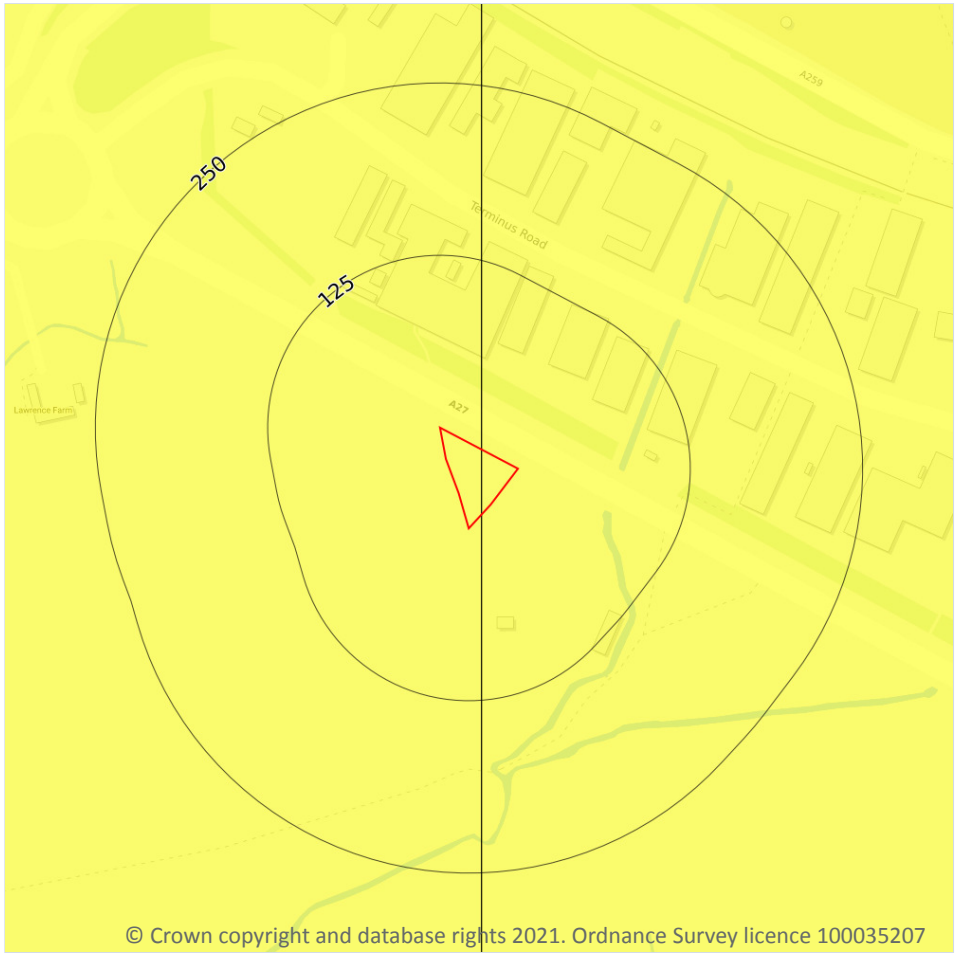
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 105**

Location	Hazard rating	Details
On site	**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

17.5 Landslides

Records within 50m	1

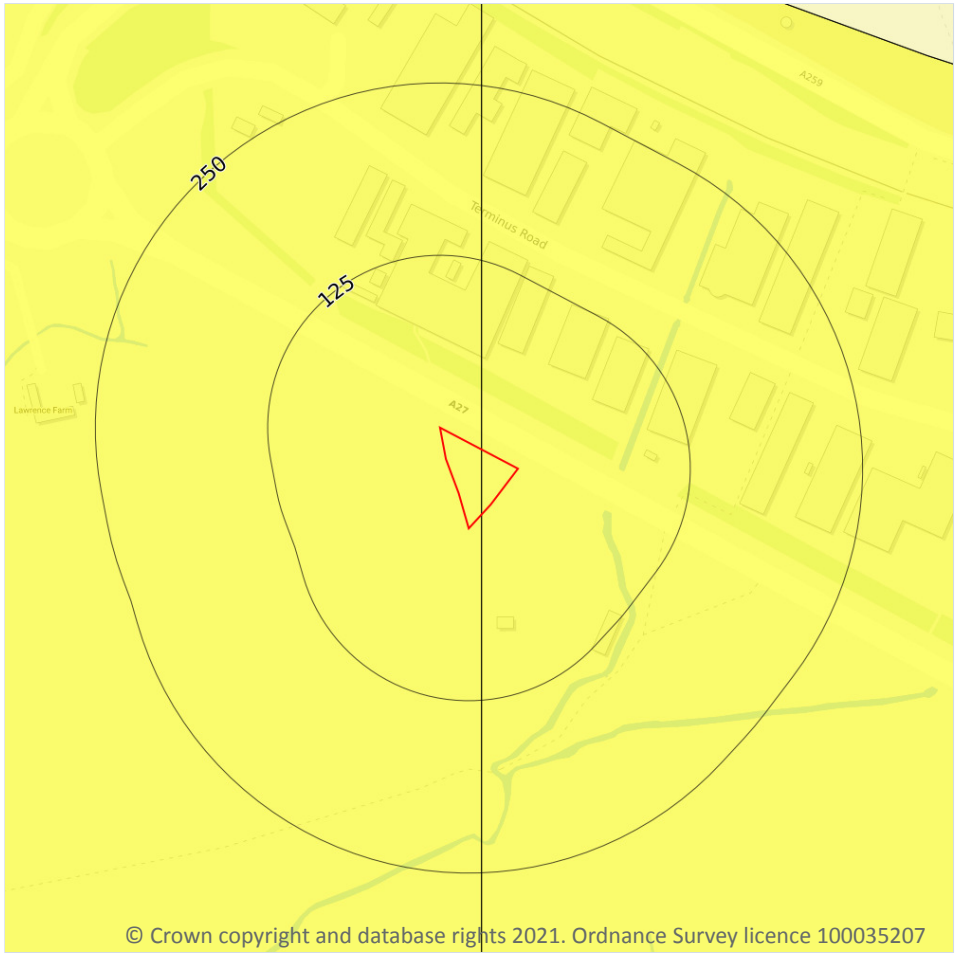
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 106**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



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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

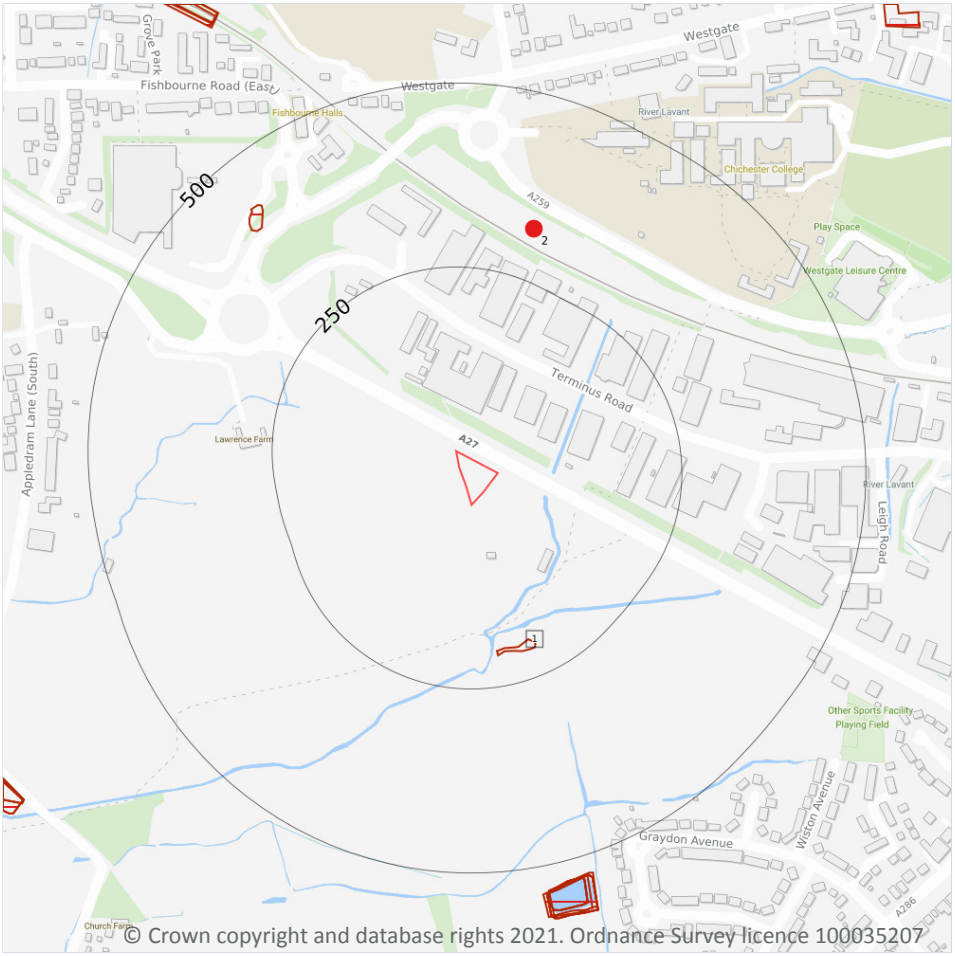
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 107**

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

This data is sourced from the British Geological Survey.

18 Mining, ground workings and natural cavities



Site Outline

Search buffers in metres (m)

- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m	1

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 109**

ID	Location	Details	Description
2	319m N	Name: Chichester Rail Depot Address: CHICHESTER, West Sussex Commodity: Crushed Rock Status: Active	Type: A site where mineral commodities are unloaded from rail trucks and stored Status description: Site which is actively extracting mineral products, or in the case of wharfs and rail depots, is actively handing minerals

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	1

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 109**

ID	Location	Land Use	Year of mapping	Mapping scale
1	198m SE	Pond	1875	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

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

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	0

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0

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

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

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

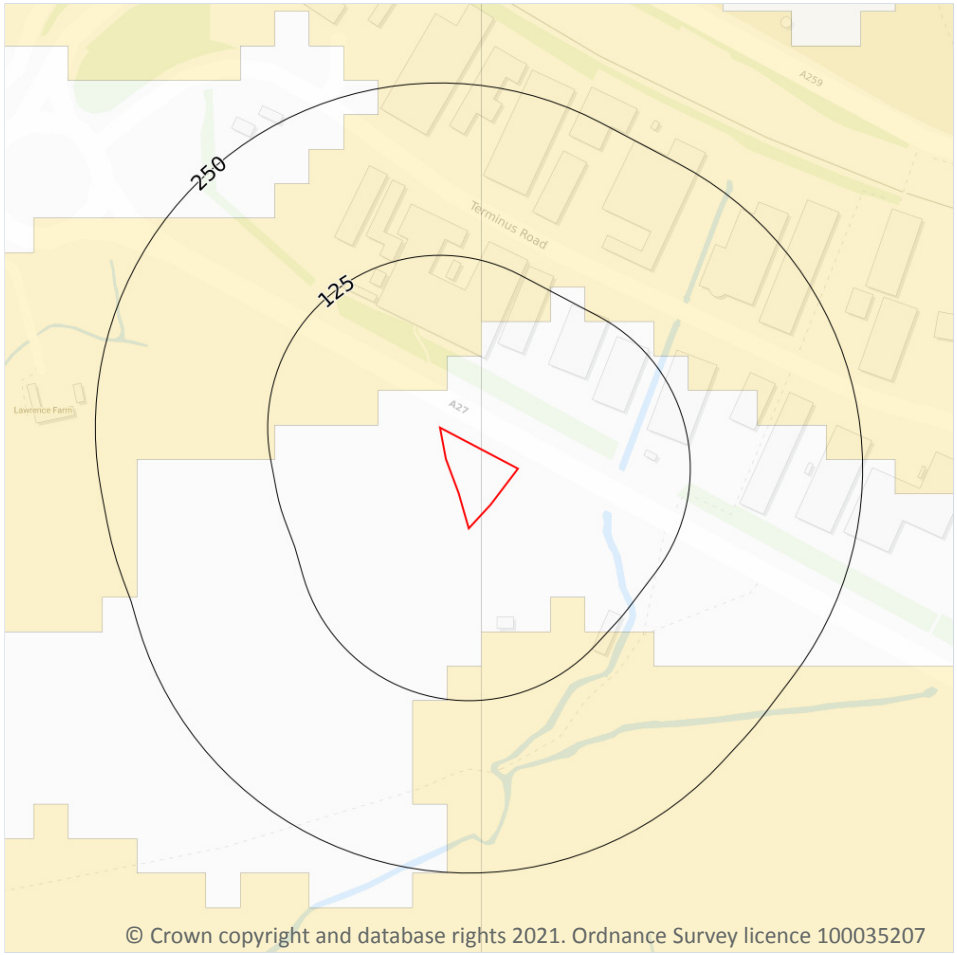
18.13 Clay mining

Records on site	0

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

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

19 Radon



Site Outline

Search buffers in metres (m)

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

19.1 Radon

Records on site	1

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

Features are displayed on the Radon map on **page 113**

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

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

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m	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 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 - 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**
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**

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects

21.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	0

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

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

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