

APPENDIX D

Groundsure Enviro+Geo Insight Report

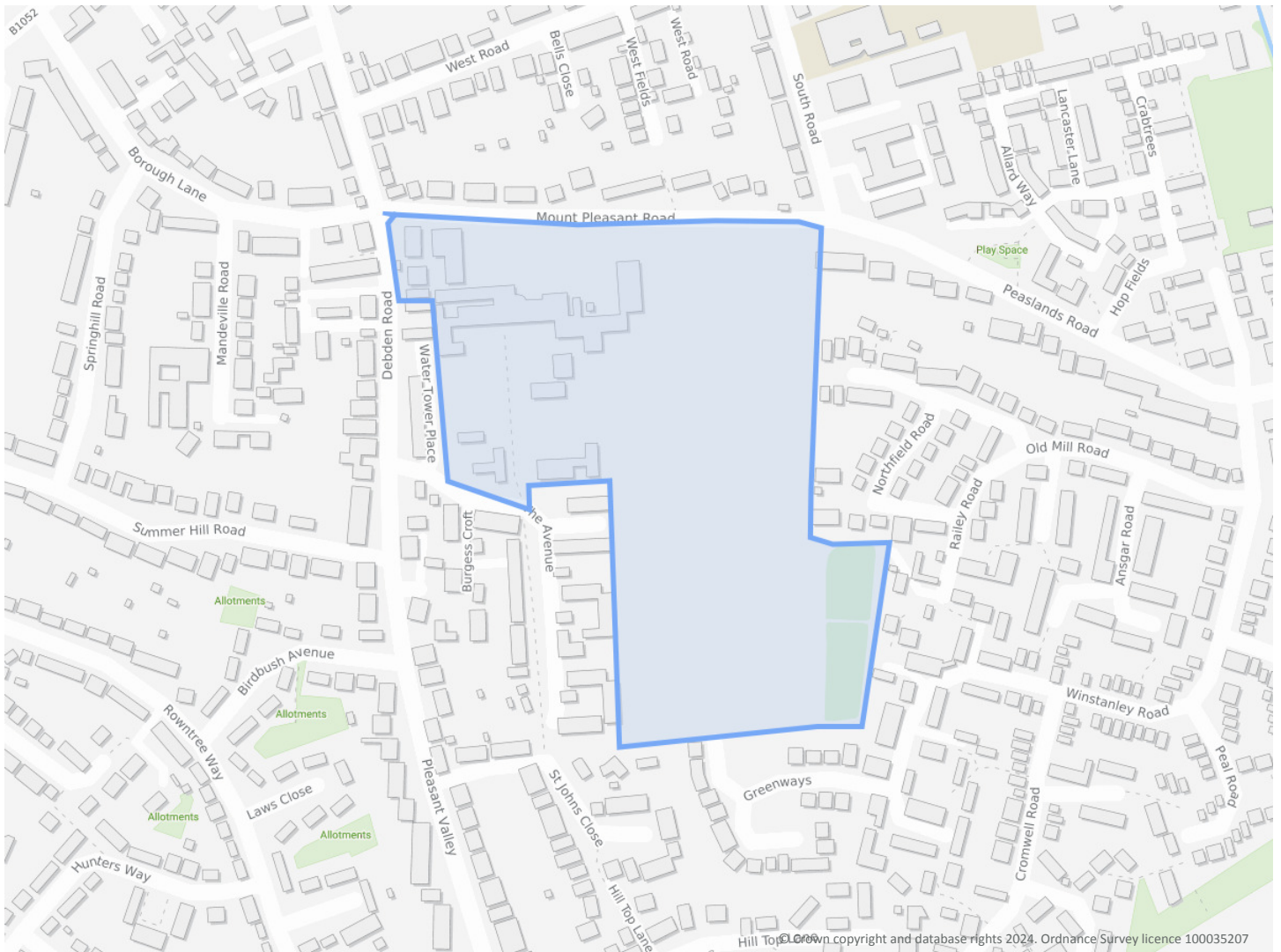
FRIENDS SCHOOL, MOUNT PLEASANT ROAD, SAFFRON WALDEN, CB11 3NY

Order Details

Date: 29/05/2024
Your ref: CG38977
Our Ref: GS-JHY-CN7-18P-MQQ

Site Details

Location: 554113 237611
Area: 9.77 ha
Authority: [Uttlesford District Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#) **Insight User Guide** ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	5	10	48	49	-
20 >	1.2 >	Historical tanks >	2	0	4	6	-
20 >	1.3 >	Historical energy features >	2	1	22	37	-
23	1.4	Historical petrol stations	0	0	0	0	-
23 >	1.5 >	Historical garages >	0	0	6	3	-
24	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
25 >	2.1 >	Historical industrial land uses >	7	14	58	61	-
31 >	2.2 >	Historical tanks >	5	0	4	9	-
32 >	2.3 >	Historical energy features >	7	1	55	97	-
38	2.4	Historical petrol stations	0	0	0	0	-
38 >	2.5 >	Historical garages >	0	0	11	5	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
39	3.1	Active or recent landfill	0	0	0	0	-
39	3.2	Historical landfill (BGS records)	0	0	0	0	-
40	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
40	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
40	3.5	Historical waste sites	0	0	0	0	-
40	3.6	Licensed waste sites	0	0	0	0	-
40 >	3.7 >	Waste exemptions >	0	0	5	0	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
42 >	4.1 >	Recent industrial land uses >	1	0	11	-	-
43 >	4.2 >	Current or recent petrol stations >	0	0	2	1	-
44	4.3	Electricity cables	0	0	0	0	-
44	4.4	Gas pipelines	0	0	0	0	-
44	4.5	Sites determined as Contaminated Land	0	0	0	0	-



44	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
44	4.7	Regulated explosive sites	0	0	0	0	-
45	4.8	Hazardous substance storage/usage	0	0	0	0	-
45	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
45	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
45 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	1	1	-
46	4.12	Radioactive Substance Authorisations	0	0	0	0	-
46 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	6	-
47	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
47	4.15	Pollutant release to public sewer	0	0	0	0	-
47	4.16	List 1 Dangerous Substances	0	0	0	0	-
47 >	4.17 >	<u>List 2 Dangerous Substances ></u>	0	0	0	2	-
48 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	0	1	-
48	4.19	Pollution inventory substances	0	0	0	0	-
48	4.20	Pollution inventory waste transfers	0	0	0	0	-
49	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
50 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
52 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
53 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
54 >	5.4 >	<u>Groundwater vulnerability- soluble rock risk ></u>	Identified (within 0m)				
55	5.5	Groundwater vulnerability- local information	None (within 0m)				
56 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	3	10
59 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	5
61 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	3	0
62 >	5.9 >	<u>Source Protection Zones ></u>	2	0	1	0	-
62	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
63	6.1	Water Network (OS MasterMap)	0	0	0	-	-



63	6.2	Surface water features	0	0	0	-	-
64 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
64 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
64 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
66	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
66	7.2	Historical Flood Events	0	0	0	-	-
66	7.3	Flood Defences	0	0	0	-	-
67	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
67	7.5	Flood Storage Areas	0	0	0	-	-
68	7.6	Flood Zone 2	None (within 50m)				
68	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
69 >	8.1 >	Surface water flooding >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
71 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
72	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
73	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
73	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
73	10.4	Special Protection Areas (SPA)	0	0	0	0	0
73	10.5	National Nature Reserves (NNR)	0	0	0	0	0
74	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
74 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	4
74	10.8	Biosphere Reserves	0	0	0	0	0
75	10.9	Forest Parks	0	0	0	0	0
75	10.10	Marine Conservation Zones	0	0	0	0	0
75	10.11	Green Belt	0	0	0	0	0
75	10.12	Proposed Ramsar sites	0	0	0	0	0



75	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
76	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
76	10.15	Nitrate Sensitive Areas	0	0	0	0	0
76 >	10.16 >	<u>Nitrate Vulnerable Zones ></u>	4	0	0	0	4
78 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	1	-	-	-	-
79	10.18	SSSI Units	0	0	0	0	0
Page	Section	<u>Visual and cultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
80	11.1	World Heritage Sites	0	0	0	-	-
81	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
81	11.3	National Parks	0	0	0	-	-
81 >	11.4 >	<u>Listed Buildings ></u>	0	2	2	-	-
82 >	11.5 >	<u>Conservation Areas ></u>	1	0	1	-	-
82	11.6	Scheduled Ancient Monuments	0	0	0	-	-
82	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
83 >	12.1 >	<u>Agricultural Land Classification ></u>	Urban (within 250m)				
84	12.2	Open Access Land	0	0	0	-	-
84	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	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
85 >	13.1 >	<u>Priority Habitat Inventory ></u>	1	0	0	-	-
86	13.2	Habitat Networks	0	0	0	-	-
86	13.3	Open Mosaic Habitat	0	0	0	-	-
86	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
87 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
88	14.2	Artificial and made ground (10k)	0	0	0	0	-
89 >	14.3 >	<u>Superficial geology (10k) ></u>	1	0	0	1	-

90	14.4	Landslip (10k)	0	0	0	0	-
91 >	14.5 >	Bedrock geology (10k) >	1	0	0	0	-
92	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	15.1 >	50k Availability >	Identified (within 500m)				
94	15.2	Artificial and made ground (50k)	0	0	0	0	-
94	15.3	Artificial ground permeability (50k)	0	0	-	-	-
95 >	15.4 >	Superficial geology (50k) >	1	0	0	2	-
96 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
96	15.6	Landslip (50k)	0	0	0	0	-
96	15.7	Landslip permeability (50k)	None (within 50m)				
97 >	15.8 >	Bedrock geology (50k) >	1	0	1	0	-
98 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
98	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
99 >	16.1 >	BGS Boreholes >	0	0	15	-	-
Page	Section	Natural ground subsidence >					
101 >	17.1 >	Shrink swell clays >	Low (within 50m)				
102 >	17.2 >	Running sands >	Very low (within 50m)				
104 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
105 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
106 >	17.5 >	Landslides >	Very low (within 50m)				
108 >	17.6 >	Ground dissolution of soluble rocks >	Low (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
110	18.1	BritPits	0	0	0	0	-
111 >	18.2 >	Surface ground workings >	7	2	8	-	-
111	18.3	Underground workings	0	0	0	0	0
112	18.4	Underground mining extents	0	0	0	0	-
112	18.5	Historical Mineral Planning Areas	0	0	0	0	-



112 >	18.6 >	Non-coal mining >	1	0	0	0	1
113	18.7	JPB mining areas	None (within 0m)				
113	18.8	The Coal Authority non-coal mining	0	0	0	0	-
113	18.9	Researched mining	0	0	0	0	-
113	18.10	Mining record office plans	0	0	0	0	-
114	18.11	BGS mine plans	0	0	0	0	-
114	18.12	Coal mining	None (within 0m)				
114	18.13	Brine areas	None (within 0m)				
114	18.14	Gypsum areas	None (within 0m)				
114	18.15	Tin mining	None (within 0m)				
115	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
116	19.1	Natural cavities	0	0	0	0	-
116	19.2	Mining cavities	0	0	0	0	0
116	19.3	Reported recent incidents	0	0	0	0	-
116	19.4	Historical incidents	0	0	0	0	-
117	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
118 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
120 >	21.1 >	BGS Estimated Background Soil Chemistry >	5	2	-	-	-
120	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
121	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
122	22.1	Underground railways (London)	0	0	0	-	-
122	22.2	Underground railways (Non-London)	0	0	0	-	-
123	22.3	Railway tunnels	0	0	0	-	-
123 >	22.4 >	Historical railway and tunnel features >	0	0	14	-	-
124	22.5	Royal Mail tunnels	0	0	0	-	-



124 >	22.6 >	Historical railways >	0	0	2	-	-
124	22.7	Railways	0	0	0	-	-
124	22.8	Crossrail 1	0	0	0	0	-
125	22.9	Crossrail 2	0	0	0	0	-
125	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 05/04/2020

Site Area: 9.77ha



Recent site history - 2017 aerial photograph



Capture Date: 09/04/2017

Site Area: 9.77ha



Recent site history - 2013 aerial photograph



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Capture Date: 01/05/2013

Site Area: 9.77ha



Recent site history - 2009 aerial photograph



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Capture Date: 29/06/2009

Site Area: 9.77ha



Recent site history - 1999 aerial photograph



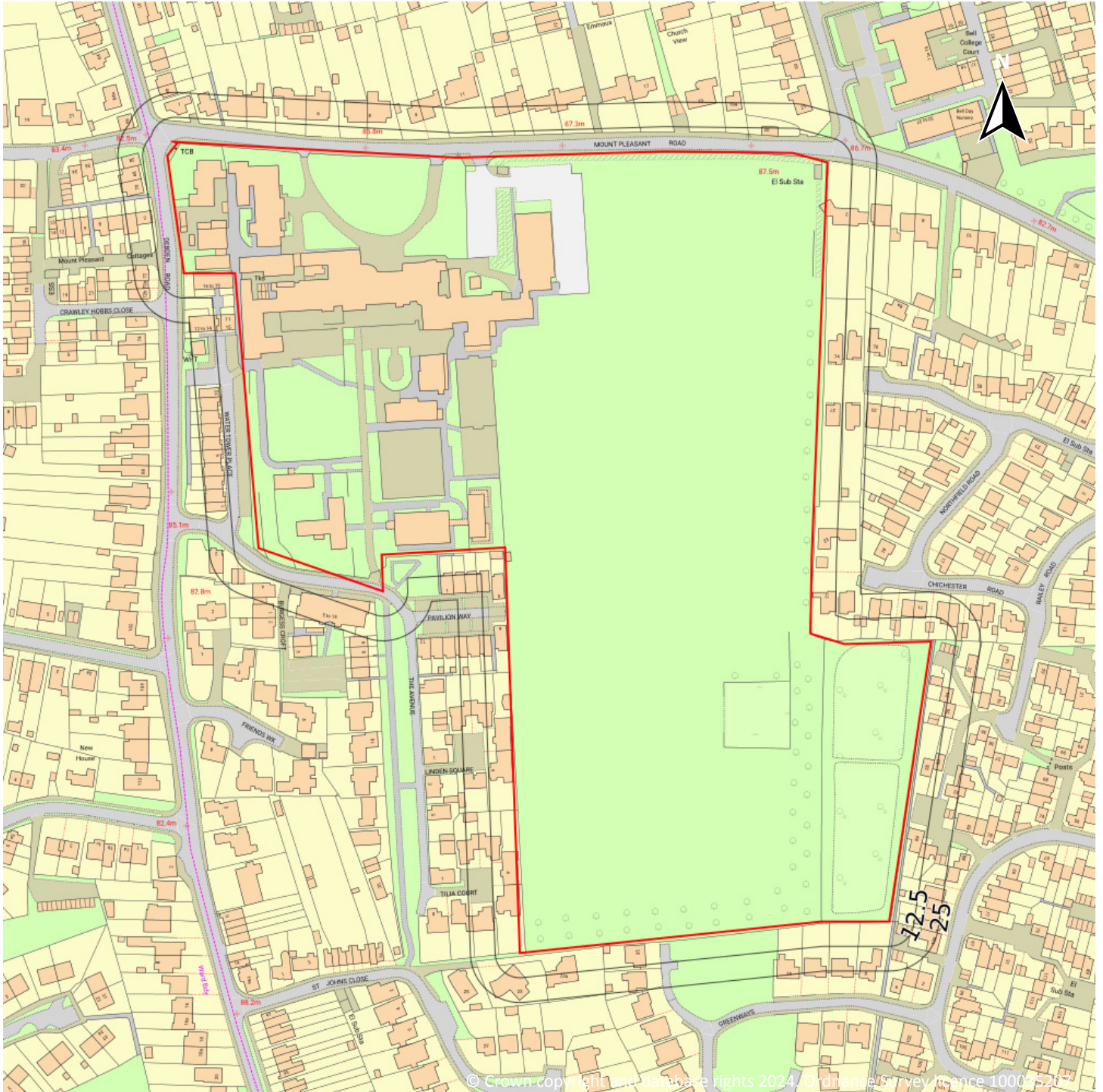
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Capture Date: 18/07/1999

Site Area: 9.77ha



OS MasterMap site plan

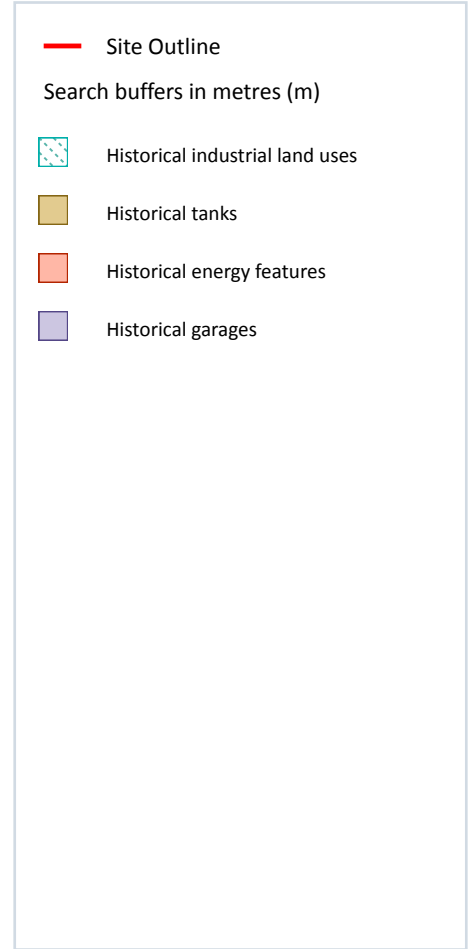
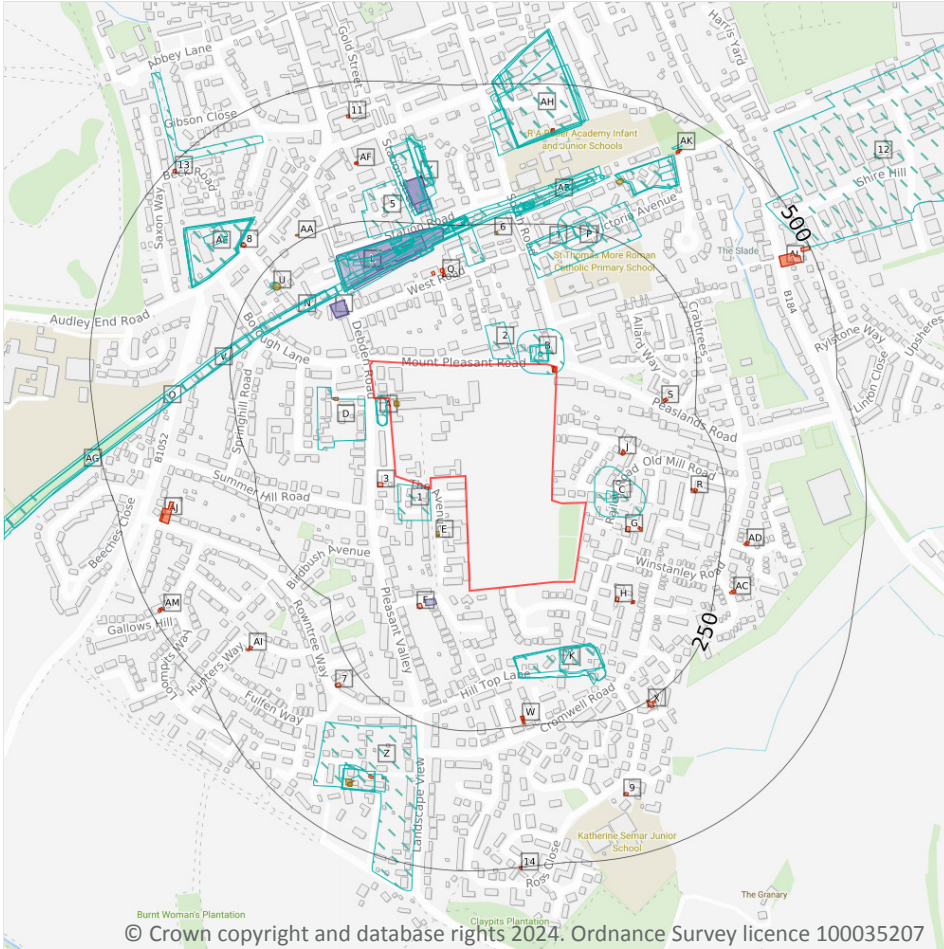


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Site Area: 9.77ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m **112**

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Sanatorium	1919 - 1952	2105609

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Heap	1919	2070024
A	On site	Unspecified Heap	1938	2095172
A	On site	Unspecified Heap	1947 - 1952	2106183
B	On site	Windmill	1896	2098511
B	4m NE	Windmill	1938	2066668
B	6m NE	Corn Windmill	1877	2050012
B	6m NE	Unspecified Windmill	1898	2053241
2	9m N	Disused Windmill	1952	2043392
B	15m NE	Windmill	1947	2100512
C	15m E	Windmill	1896	2056857
B	15m NE	Windmill	1919	2103796
D	18m NW	Unspecified Works	1980 - 1991	2105240
C	37m E	Corn Windmill	1877	2049995
C	46m E	Unspecified Windmill	1898	2053240
K	113m SE	Isolation Hospital	1948 - 1952	2076096
K	114m SE	Isolation Hospital	1919 - 1923	2087150
K	115m SE	Fever Hospital	1896 - 1898	2087666
K	116m SE	Isolation Hospital	1938	2077600
L	126m NW	Railway Sidings	1896	2093755
M	133m NW	Railway Sidings	1947	2073908
M	133m NW	Railway Sidings	1919	2115220
N	133m NW	Cuttings	1947	2066170
N	133m NW	Cuttings	1919	2119168
L	133m NW	Railway Sidings	1898	2086970
O	134m NW	Cuttings	1938 - 1947	2101669
M	135m NW	Railway Sidings	1938	2077782
N	136m NW	Cuttings	1952	2092800
O	137m NW	Cuttings	1877 - 1952	2095312



ID	Location	Land use	Dates present	Group ID
L	139m NW	Railway Sidings	1877	2120066
M	148m NW	Railway Sidings	1952	2085357
M	151m NW	Railway Sidings	1898	2092486
P	153m N	Nursery	1896 - 1898	2080159
L	176m N	Iron and Brass Foundry	1877	2059868
4	188m NW	Railway Building	1919 - 1952	2116554
M	193m NW	Railway Building	1938	2108931
M	193m NW	Railway Building	1919	2100312
M	193m NW	Railway Building	1947	2101724
M	193m NW	Railway Building	1898	2074542
T	194m N	Timber Yard	1919	2081527
T	194m N	Timber Yard	1947	2106259
M	196m NW	Railway Building	1952	2064155
M	196m NW	Railway Building	1896	2067905
M	198m NW	Goods Shed	1877	2053552
M	208m NW	Railway Building	1877 - 1896	2070188
M	209m NW	Railway Building	1938	2107061
P	210m N	Unspecified Depot	1952	2048118
U	211m NW	Unspecified Tank	1898	2074853
M	212m NW	Railway Building	1952	2077760
V	215m NW	Cuttings	1919	2090750
V	215m NW	Cuttings	1947	2116878
U	217m NW	Unspecified Tank	1952	2098679
5	221m NW	Unspecified Depot	1980	2048117
P	232m N	Timber Yard	1938	2068647
L	235m N	Railway Station	1898	2086053
L	235m N	Railway Building	1938	2110535
L	235m N	Railway Building	1947	2074914



ID	Location	Land use	Dates present	Group ID
L	235m N	Railway Building	1919	2095109
L	243m N	Railway Station	1919	2068486
L	243m N	Railway Station	1947	2117023
L	243m N	Railway Station	1938	2108804
L	244m N	Railway Station	1952	2118791
L	244m N	Railway Station	1877 - 1896	2065347
Y	255m N	Malthouse	1938	2087060
Z	260m S	Water Works	1938 - 1948	2113779
AB	263m N	Railway Sidings	1919 - 1947	2097757
Y	264m N	Nursery	1947	2090554
Y	264m N	Nursery	1919	2099814
AB	265m N	Railway Sidings	1952	2113941
Y	268m N	Malthouse	1896	2072986
AB	270m N	Unspecified Tank	1952	2067636
AB	273m N	Unspecified Tank	1877	2097210
AB	273m N	Railway Building	1919	2079253
AB	273m N	Railway Building	1947 - 1952	2109649
AB	275m N	Railway Building	1898	2095233
AB	275m N	Railway Building	1938	2121708
AB	277m N	Railway Building	1877 - 1896	2078404
AB	284m N	Railway Building	1947	2064213
AB	284m N	Railway Building	1919	2105159
AE	306m NW	Hospital	1896	2069234
AE	307m NW	Hospital	1898 - 1919	2070638
AE	308m NW	Hospital	1947 - 1971	2108725
AE	308m NW	Hospital	1938	2076158
AE	309m NW	Hospital	1980	2105722
AB	312m N	Railway Building	1898	2064928



ID	Location	Land use	Dates present	Group ID
Y	313m N	Malthouse	1947	2064634
Y	313m N	Malthouse	1919	2077145
AB	315m N	Railway Building	1877 - 1896	2066420
Y	328m N	Malthouse	1877	2074277
Y	328m N	Malthouse	1898	2076910
AB	335m NE	Sawmill	1938	2075668
AB	337m NE	Sawmill	1919	2079405
AB	337m NE	Sawmill	1947	2107167
AE	338m NW	Hospital	1877	2065604
AB	341m NE	Unspecified Mill	1952	2056478
AB	345m N	Railway Building	1919	2070064
AB	345m N	Railway Building	1947	2098791
AG	363m W	Cuttings	1947	2075160
AG	363m W	Cuttings	1919	2106249
Z	363m S	Pumping Station	1991	2067466
Z	364m S	Pumping Station	1980	2108081
Z	364m S	Pumping Station	1971	2111255
AH	372m N	Nursery	1877	2113082
Z	377m SW	Unspecified Works	1952	2046660
AH	385m N	Nursery	1938	2076431
AH	386m N	Nursery	1947	2102722
AH	386m N	Nursery	1919	2115230
AH	387m N	Nursery	1952	2100124
AH	389m N	Nursery	1896 - 1898	2090953
10	436m NW	Cuttings	1898	2061641
AK	441m NE	Railway Building	1938 - 1947	2112484
12	472m NE	Nurseries	1938 - 1947	2111609

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

12

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Tanks	1969 - 1996	355560
A	On site	Tanks	1982 - 1986	357289
E	50m SW	Unspecified Tank	1996	353013
E	51m SW	Unspecified Tank	1989	354632
U	209m NW	Unspecified Tank	1897	344359
6	232m N	Unspecified Tank	1969	344358
AA	260m NW	Unspecified Tank	1969	353184
AA	261m NW	Unspecified Tank	1982 - 1986	352930
AB	344m NE	Tanks	1969 - 1978	353164
Z	397m SW	Tanks	1982 - 1986	354931
Z	402m SW	Tanks	1996	357928
Z	402m SW	Tanks	1969	356037

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

62

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

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



ID	Location	Land use	Dates present	Group ID
B	On site	Electricity Substation	1989	229462
B	On site	Electricity Substation	1969 - 1996	235380
3	26m W	Electricity Substation	1969	225795
D	64m NW	Electricity Substation	1969 - 1996	236742
G	77m SE	Electricity Substation	1989	225799
H	79m SE	Electricity Substation	1993 - 1996	229350
F	89m SW	Electricity Substation	1982 - 1996	236996
G	99m SE	Electricity Substation	1983	225798
G	102m SE	Electricity Substation	1993 - 1996	231734
J	106m E	Electricity Substation	1989	237053
J	108m E	Electricity Substation	1969 - 1996	234703
H	108m SE	Electricity Substation	1989	228044
H	110m SE	Electricity Substation	1983	239795
H	110m SE	Electricity Substation	1981	228281
Q	157m N	Electricity Substation	1989	230402
Q	159m N	Electricity Substation	1989	225794
Q	162m N	Electricity Substation	1983 - 1996	239350
Q	164m N	Electricity Substation	1986 - 1996	230900
R	189m E	Electricity Substation	1989	234529
S	192m E	Electricity Substation	1989	238461
R	194m E	Electricity Substation	1969 - 1996	236034
S	195m E	Electricity Substation	1969 - 1996	238893
W	232m S	Electricity Substation	1983 - 1996	235029
W	232m S	Electricity Substation	1989	235512
X	247m SE	Electricity Substation	1989 - 1996	232832
X	255m SE	Electricity Substation	1981 - 1983	233543
AC	277m SE	Electricity Substation	1983 - 1989	239602
AC	280m SE	Electricity Substation	1981 - 1996	232299



ID	Location	Land use	Dates present	Group ID
7	285m SW	Electricity Substation	1969 - 1996	233647
AD	289m E	Electricity Substation	1989	239887
AD	292m E	Electricity Substation	1981 - 1996	234502
8	305m NW	Electricity Substation	1969 - 1996	229212
AF	352m NW	Electricity Substation	1990	228282
AF	353m NW	Electricity Substation	1989	228004
AF	353m NW	Electricity Substation	1995	229142
Z	365m S	Electricity Substation	1996	225796
Z	373m S	Electricity Substation	1969 - 1989	234497
9	387m SE	Electricity Substation	1982 - 1993	237376
AI	398m SW	Electricity Substation	1969 - 1996	230554
AJ	399m W	Electricity Substation	1986	228002
AJ	399m W	Electricity Substation	1982	228692
AI	405m SW	Electricity Substation	1982 - 1986	232836
AH	410m N	Electricity Substation	1993 - 1995	233407
AH	413m N	Electricity Substation	1969 - 1987	239437
AH	414m N	Electricity Substation	1986	227869
AH	414m N	Electricity Substation	1987	227870
AH	414m N	Electricity Substation	1983	228345
AH	414m N	Electricity Substation	1987	228357
AH	414m N	Electricity Substation	1978	228416
AJ	420m W	Electricity Substation	1969	228260
AJ	420m W	Electricity Substation	1989	228660
AJ	421m W	Electricity Substation	1996	227762
AK	436m NE	Electricity Substation	1969 - 1995	232515
11	436m N	Electricity Substation	1969	225793
AL	439m NE	Electricity Substation	1983 - 1996	234723
AL	439m NE	Electricity Substation	1969 - 1981	236119



ID	Location	Land use	Dates present	Group ID
AM	478m SW	Electricity Substation	1969 - 1989	236247
AM	481m SW	Electricity Substation	1982 - 1986	233624
AL	483m NE	Electricity Substation	1981	226416
AM	483m SW	Electricity Substation	1996	236784
13	485m NW	Electricity Substation	1969 - 1995	237168
14	499m S	Electricity Substation	1983 - 1993	233883

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	9
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
F	63m S	Garage	1989 - 1996	71907
I	93m NW	Garage	1969 - 1996	72380
I	95m NW	Garage	1982 - 1986	72305
M	131m NW	Garage	1982 - 1996	71609
M	137m NW	Garage	1986	71208



ID	Location	Land use	Dates present	Group ID
M	162m NW	Garage	1989	69597
Y	268m N	Garage	1970	70885
Y	268m N	Garage	1986 - 1989	72256
Y	282m N	Garage	1969 - 1990	72517

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

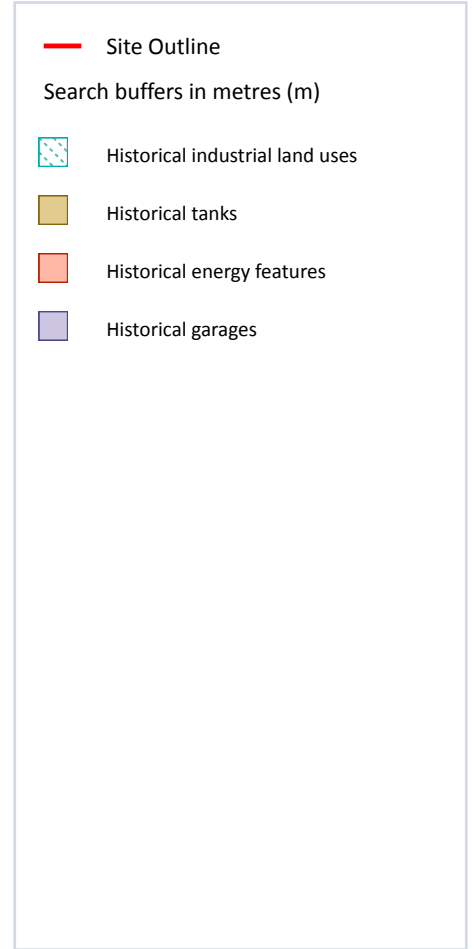
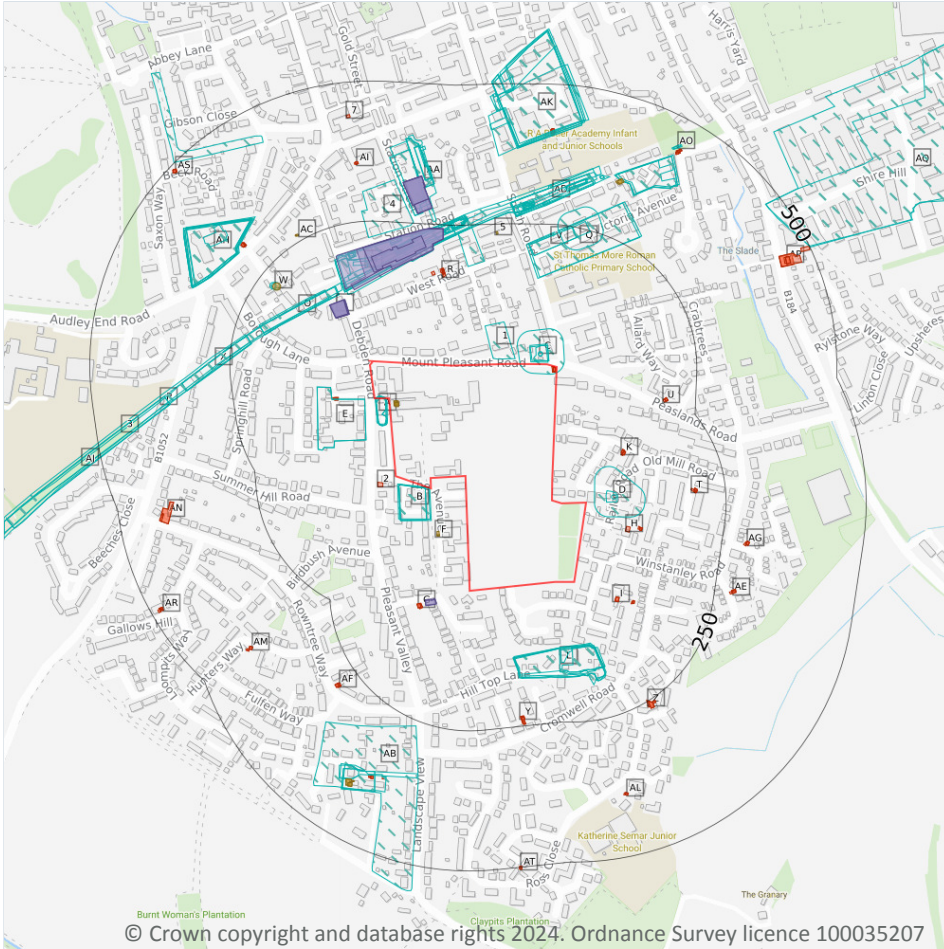
0

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

140

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 25 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Heap	1938	2095172
A	On site	Unspecified Heap	1947	2106183
A	On site	Unspecified Heap	1919	2070024

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Heap	1952	2106183
A	On site	Unspecified Heap	1938	2095172
B	On site	Sanatorium	1952	2105609
C	On site	Windmill	1896	2098511
B	2m SW	Sanatorium	1938	2105609
B	3m SW	Sanatorium	1947	2105609
B	3m SW	Sanatorium	1919	2105609
C	4m NE	Windmill	1938	2066668
C	6m NE	Corn Windmill	1877	2050012
C	6m NE	Unspecified Windmill	1898	2053241
1	9m N	Disused Windmill	1952	2043392
C	15m NE	Windmill	1947	2100512
D	15m E	Windmill	1896	2056857
C	15m NE	Windmill	1919	2103796
E	18m NW	Unspecified Works	1991	2105240
E	18m NW	Unspecified Works	1980	2105240
D	37m E	Corn Windmill	1877	2049995
D	46m E	Unspecified Windmill	1898	2053240
L	113m SE	Isolation Hospital	1948	2076096
L	114m SE	Isolation Hospital	1923	2087150
L	115m SE	Isolation Hospital	1919	2087150
L	115m SE	Isolation Hospital	1952	2076096
L	115m SE	Fever Hospital	1896	2087666
L	116m SE	Isolation Hospital	1938	2077600
L	118m SE	Fever Hospital	1898	2087666
M	126m NW	Railway Sidings	1896	2093755
N	133m NW	Railway Sidings	1947	2073908
N	133m NW	Railway Sidings	1919	2115220



ID	Location	Land Use	Date	Group ID
O	133m NW	Cuttings	1947	2066170
O	133m NW	Cuttings	1919	2119168
M	133m NW	Railway Sidings	1898	2086970
P	134m NW	Cuttings	1938	2101669
N	135m NW	Railway Sidings	1938	2077782
O	136m NW	Cuttings	1952	2092800
P	137m NW	Cuttings	1877	2095312
M	139m NW	Railway Sidings	1877	2120066
N	148m NW	Railway Sidings	1952	2085357
N	151m NW	Railway Sidings	1898	2092486
Q	153m N	Nursery	1898	2080159
Q	155m N	Nursery	1896	2080159
M	176m N	Iron and Brass Foundry	1877	2059868
S	188m NW	Railway Building	1947	2116554
S	188m NW	Railway Building	1919	2116554
S	188m NW	Railway Building	1938	2116554
S	191m NW	Railway Building	1952	2116554
N	193m NW	Railway Building	1938	2108931
N	193m NW	Railway Building	1947	2101724
N	193m NW	Railway Building	1919	2100312
N	193m NW	Railway Building	1898	2074542
V	194m N	Timber Yard	1947	2106259
V	194m N	Timber Yard	1919	2081527
N	196m NW	Railway Building	1952	2064155
N	196m NW	Railway Building	1896	2067905
N	198m NW	Goods Shed	1877	2053552
N	208m NW	Railway Building	1877	2070188
N	209m NW	Railway Building	1938	2107061



ID	Location	Land Use	Date	Group ID
Q	210m N	Unspecified Depot	1952	2048118
W	211m NW	Unspecified Tank	1898	2074853
N	212m NW	Railway Building	1952	2077760
N	212m NW	Railway Building	1896	2070188
X	215m NW	Cuttings	1947	2116878
X	215m NW	Cuttings	1919	2090750
W	217m NW	Unspecified Tank	1952	2098679
3	218m NW	Cuttings	1952	2095312
4	221m NW	Unspecified Depot	1980	2048117
Q	232m N	Timber Yard	1938	2068647
M	235m N	Railway Station	1898	2086053
M	235m N	Railway Building	1938	2110535
M	235m N	Railway Building	1947	2074914
M	235m N	Railway Building	1919	2095109
M	243m N	Railway Station	1947	2117023
M	243m N	Railway Station	1919	2068486
M	243m N	Railway Station	1938	2108804
M	244m N	Railway Station	1952	2118791
M	244m N	Railway Station	1896	2065347
M	246m N	Railway Station	1877	2065347
AA	255m N	Malthouse	1938	2087060
AB	260m S	Water Works	1938	2113779
AD	263m N	Railway Sidings	1947	2097757
AD	263m N	Railway Sidings	1919	2097757
AA	264m N	Nursery	1947	2090554
AA	264m N	Nursery	1919	2099814
AD	264m N	Railway Sidings	1938	2097757
AD	265m N	Railway Sidings	1952	2113941



ID	Location	Land Use	Date	Group ID
AA	268m N	Malthouse	1896	2072986
AD	270m N	Unspecified Tank	1952	2067636
AD	273m N	Unspecified Tank	1877	2097210
AD	273m N	Railway Building	1947	2109649
AD	273m N	Railway Building	1919	2079253
AD	274m N	Railway Building	1952	2109649
AD	275m N	Railway Building	1898	2095233
AD	275m N	Railway Building	1938	2121708
AD	277m N	Railway Building	1877	2078404
AD	280m N	Railway Building	1896	2078404
AD	284m N	Railway Building	1947	2064213
AD	284m N	Railway Building	1919	2105159
AH	306m NW	Hospital	1896	2069234
AH	307m NW	Hospital	1898	2070638
AH	308m NW	Hospital	1947	2108725
AH	308m NW	Hospital	1919	2070638
AH	308m NW	Hospital	1938	2076158
AH	309m NW	Hospital	1971	2108725
AH	309m NW	Hospital	1980	2105722
AH	309m NW	Hospital	1952	2108725
AD	312m N	Railway Building	1898	2064928
AA	313m N	Malthouse	1947	2064634
AA	313m N	Malthouse	1919	2077145
AD	315m N	Railway Building	1877	2066420
AD	316m N	Railway Building	1896	2066420
AA	328m N	Malthouse	1877	2074277
AA	328m N	Malthouse	1898	2076910
AD	335m NE	Sawmill	1938	2075668



ID	Location	Land Use	Date	Group ID
AD	337m NE	Sawmill	1947	2107167
AD	337m NE	Sawmill	1919	2079405
AH	338m NW	Hospital	1877	2065604
AB	340m S	Water Works	1948	2113779
AD	341m NE	Unspecified Mill	1952	2056478
AD	345m N	Railway Building	1947	2098791
AD	345m N	Railway Building	1919	2070064
AJ	363m W	Cuttings	1947	2075160
AJ	363m W	Cuttings	1919	2106249
AB	363m S	Pumping Station	1991	2067466
AB	364m S	Pumping Station	1971	2111255
AB	364m S	Pumping Station	1980	2108081
AK	372m N	Nursery	1877	2113082
AB	377m SW	Unspecified Works	1952	2046660
AK	385m N	Nursery	1938	2076431
AK	386m N	Nursery	1947	2102722
AK	386m N	Nursery	1919	2115230
AK	387m N	Nursery	1952	2100124
AK	389m N	Nursery	1898	2090953
AK	393m N	Nursery	1896	2090953
6	436m NW	Cuttings	1898	2061641
AO	441m NE	Railway Building	1938	2112484
AO	441m NE	Railway Building	1947	2112484
AQ	472m NE	Nurseries	1938	2111609
AQ	473m NE	Nurseries	1947	2111609

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

18

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 25 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Tanks	1969	355560
A	On site	Tanks	1989	355560
A	On site	Tanks	1982	357289
A	On site	Tanks	1986	357289
A	On site	Tanks	1996	355560
F	50m SW	Unspecified Tank	1996	353013
F	51m SW	Unspecified Tank	1989	354632
W	209m NW	Unspecified Tank	1897	344359
5	232m N	Unspecified Tank	1969	344358
AC	260m NW	Unspecified Tank	1969	353184
AC	261m NW	Unspecified Tank	1982	352930
AC	261m NW	Unspecified Tank	1986	352930
AD	344m NE	Tanks	1969	353164
AD	345m NE	Tanks	1978	353164
AB	397m SW	Tanks	1982	354931
AB	397m SW	Tanks	1986	354931
AB	402m SW	Tanks	1996	357928
AB	402m SW	Tanks	1969	356037

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

160

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 25 >](#)

ID	Location	Land Use	Date	Group ID
C	On site	Electricity Substation	1983	235380
C	On site	Electricity Substation	1981	235380
C	On site	Electricity Substation	1969	235380
C	On site	Electricity Substation	1989	229462
C	On site	Electricity Substation	1994	235380
C	On site	Electricity Substation	1996	235380
C	On site	Electricity Substation	1993	235380
2	26m W	Electricity Substation	1969	225795
E	64m NW	Electricity Substation	1969	236742
E	64m NW	Electricity Substation	1989	236742
E	65m NW	Electricity Substation	1996	236742
E	67m NW	Electricity Substation	1982	236742
E	67m NW	Electricity Substation	1986	236742
H	77m SE	Electricity Substation	1989	225799
I	79m SE	Electricity Substation	1994	229350
I	79m SE	Electricity Substation	1996	229350
I	79m SE	Electricity Substation	1993	229350
G	89m SW	Electricity Substation	1989	236996
G	89m SW	Electricity Substation	1996	236996
G	92m SW	Electricity Substation	1982	236996
G	92m SW	Electricity Substation	1986	236996
H	99m SE	Electricity Substation	1983	225798
H	102m SE	Electricity Substation	1994	231734



ID	Location	Land Use	Date	Group ID
H	102m SE	Electricity Substation	1996	231734
H	102m SE	Electricity Substation	1993	231734
K	106m E	Electricity Substation	1989	237053
K	108m E	Electricity Substation	1983	234703
K	108m E	Electricity Substation	1981	234703
K	108m E	Electricity Substation	1969	234703
I	108m SE	Electricity Substation	1989	228044
K	109m E	Electricity Substation	1994	234703
K	109m E	Electricity Substation	1996	234703
K	109m E	Electricity Substation	1993	234703
I	110m SE	Electricity Substation	1983	239795
I	110m SE	Electricity Substation	1981	228281
R	157m N	Electricity Substation	1989	230402
R	159m N	Electricity Substation	1989	225794
R	162m N	Electricity Substation	1994	239350
R	162m N	Electricity Substation	1996	239350
R	162m N	Electricity Substation	1993	239350
R	164m N	Electricity Substation	1996	230900
R	164m N	Electricity Substation	1983	239350
R	165m N	Electricity Substation	1986	230900
T	189m E	Electricity Substation	1989	234529
U	192m E	Electricity Substation	1989	238461
T	194m E	Electricity Substation	1983	236034
T	194m E	Electricity Substation	1969	236034
T	194m E	Electricity Substation	1994	236034
T	194m E	Electricity Substation	1996	236034
T	194m E	Electricity Substation	1993	236034
T	194m E	Electricity Substation	1981	236034



ID	Location	Land Use	Date	Group ID
U	195m E	Electricity Substation	1983	238893
U	195m E	Electricity Substation	1981	238893
U	195m E	Electricity Substation	1969	238893
U	195m E	Electricity Substation	1994	238893
U	195m E	Electricity Substation	1996	238893
U	195m E	Electricity Substation	1993	238893
Y	232m S	Electricity Substation	1983	235029
Y	232m S	Electricity Substation	1989	235512
Y	234m S	Electricity Substation	1994	235029
Y	234m S	Electricity Substation	1996	235029
Y	234m S	Electricity Substation	1993	235029
Z	247m SE	Electricity Substation	1989	232832
Z	251m SE	Electricity Substation	1994	232832
Z	251m SE	Electricity Substation	1996	232832
Z	251m SE	Electricity Substation	1993	232832
Z	255m SE	Electricity Substation	1983	233543
Z	255m SE	Electricity Substation	1981	233543
AE	277m SE	Electricity Substation	1989	239602
AE	280m SE	Electricity Substation	1983	239602
AE	280m SE	Electricity Substation	1994	232299
AE	280m SE	Electricity Substation	1996	232299
AE	280m SE	Electricity Substation	1993	232299
AE	281m SE	Electricity Substation	1981	232299
AF	285m SW	Electricity Substation	1996	233647
AF	285m SW	Electricity Substation	1969	233647
AF	285m SW	Electricity Substation	1989	233647
AF	288m SW	Electricity Substation	1982	233647
AF	288m SW	Electricity Substation	1986	233647



ID	Location	Land Use	Date	Group ID
AG	289m E	Electricity Substation	1989	239887
AG	292m E	Electricity Substation	1983	234502
AG	293m E	Electricity Substation	1994	234502
AG	293m E	Electricity Substation	1996	234502
AG	293m E	Electricity Substation	1993	234502
AG	293m E	Electricity Substation	1981	234502
AH	305m NW	Electricity Substation	1969	229212
AH	305m NW	Electricity Substation	1989	229212
AH	306m NW	Electricity Substation	1996	229212
AH	307m NW	Electricity Substation	1982	229212
AH	307m NW	Electricity Substation	1986	229212
AI	352m NW	Electricity Substation	1990	228282
AI	353m NW	Electricity Substation	1989	228004
AI	353m NW	Electricity Substation	1995	229142
AI	353m NW	Electricity Substation	1995	229142
AB	365m S	Electricity Substation	1996	225796
AB	373m S	Electricity Substation	1982	234497
AB	373m S	Electricity Substation	1986	234497
AB	373m S	Electricity Substation	1969	234497
AB	373m S	Electricity Substation	1989	234497
AL	387m SE	Electricity Substation	1983	237376
AL	387m S	Electricity Substation	1982	237376
AL	387m SE	Electricity Substation	1993	237376
AM	398m SW	Electricity Substation	1996	230554
AM	398m SW	Electricity Substation	1969	230554
AM	398m SW	Electricity Substation	1989	230554
AN	399m W	Electricity Substation	1982	228692
AN	399m W	Electricity Substation	1986	228002



ID	Location	Land Use	Date	Group ID
AM	405m SW	Electricity Substation	1982	232836
AM	405m SW	Electricity Substation	1986	232836
AK	410m N	Electricity Substation	1995	233407
AK	410m N	Electricity Substation	1995	233407
AK	410m N	Electricity Substation	1994	233407
AK	410m N	Electricity Substation	1993	233407
AK	410m N	Electricity Substation	1995	233407
AK	410m N	Electricity Substation	1995	233407
AK	413m N	Electricity Substation	1969	239437
AK	413m N	Electricity Substation	1987	239437
AK	414m N	Electricity Substation	1983	228345
AK	414m N	Electricity Substation	1986	227869
AK	414m N	Electricity Substation	1987	227870
AK	414m N	Electricity Substation	1987	228357
AK	414m N	Electricity Substation	1978	228416
AN	420m W	Electricity Substation	1969	228260
AN	420m W	Electricity Substation	1989	228660
AN	421m W	Electricity Substation	1996	227762
AO	436m NE	Electricity Substation	1995	232515
AO	436m NE	Electricity Substation	1995	232515
AO	436m NE	Electricity Substation	1994	232515
AO	436m NE	Electricity Substation	1993	232515
AO	436m NE	Electricity Substation	1995	232515
AO	436m NE	Electricity Substation	1995	232515
7	436m N	Electricity Substation	1969	225793
AO	439m NE	Electricity Substation	1969	232515
AO	439m NE	Electricity Substation	1987	232515
AP	439m NE	Electricity Substation	1983	234723



ID	Location	Land Use	Date	Group ID
AP	439m NE	Electricity Substation	1981	236119
AP	439m NE	Electricity Substation	1969	236119
AO	440m NE	Electricity Substation	1983	232515
AO	440m NE	Electricity Substation	1987	232515
AO	440m NE	Electricity Substation	1987	232515
AO	440m NE	Electricity Substation	1978	232515
AP	447m NE	Electricity Substation	1989	234723
AP	450m NE	Electricity Substation	1994	234723
AP	450m NE	Electricity Substation	1996	234723
AP	450m NE	Electricity Substation	1993	234723
AR	478m SW	Electricity Substation	1969	236247
AR	478m SW	Electricity Substation	1989	236247
AR	481m SW	Electricity Substation	1982	233624
AR	481m SW	Electricity Substation	1986	233624
AP	483m NE	Electricity Substation	1981	226416
AR	483m SW	Electricity Substation	1996	236784
AS	485m NW	Electricity Substation	1969	237168
AS	485m NW	Electricity Substation	1990	237168
AS	485m NW	Electricity Substation	1970	237168
AS	485m NW	Electricity Substation	1986	237168
AS	485m NW	Electricity Substation	1989	237168
AS	486m NW	Electricity Substation	1995	237168
AS	486m NW	Electricity Substation	1995	237168
AT	499m S	Electricity Substation	1983	233883
AT	499m S	Electricity Substation	1993	233883

This data is sourced from Ordnance Survey / Groundsure.



2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

16

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'.

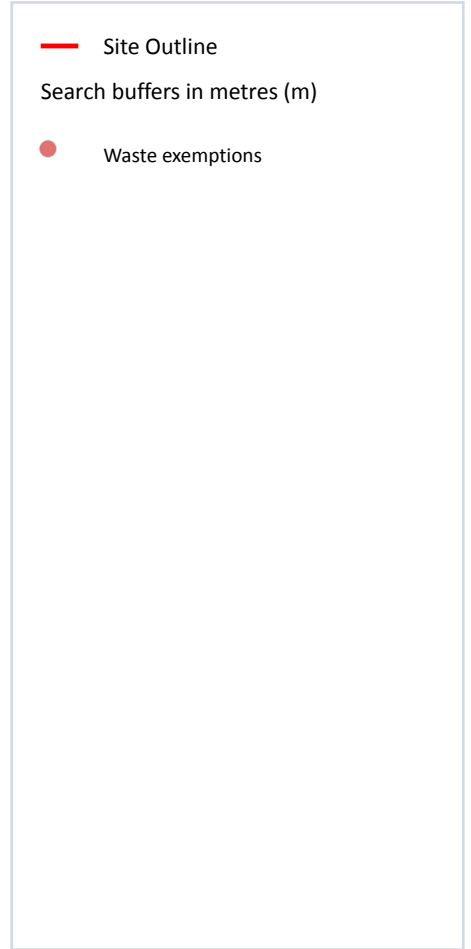
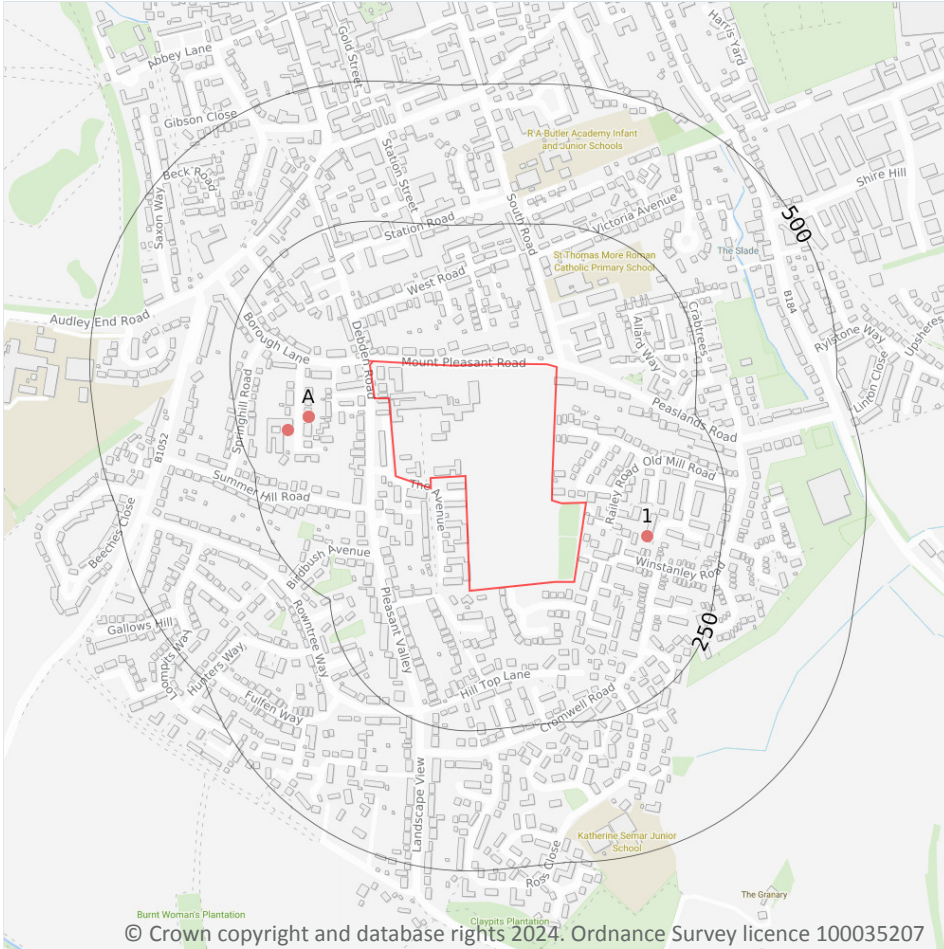
Features are displayed on the Past land use - un-grouped map on [page 25 >](#)

ID	Location	Land Use	Date	Group ID
G	63m S	Garage	1989	71907
G	64m S	Garage	1996	71907
J	93m NW	Garage	1969	72380
J	93m NW	Garage	1989	72380
J	94m NW	Garage	1996	72380
J	95m NW	Garage	1982	72305
J	95m NW	Garage	1986	72305
N	131m NW	Garage	1996	71609
N	137m NW	Garage	1986	71208
N	158m NW	Garage	1982	71609
N	162m NW	Garage	1989	69597
AA	268m N	Garage	1970	70885
AA	268m N	Garage	1986	72256
AA	268m N	Garage	1989	72256
AA	282m N	Garage	1969	72517
AA	282m N	Garage	1990	72517

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

0

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

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

3.6 Licensed waste sites

Records within 500m

0

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

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

3.7 Waste exemptions

Records within 500m

5

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 39 >](#)

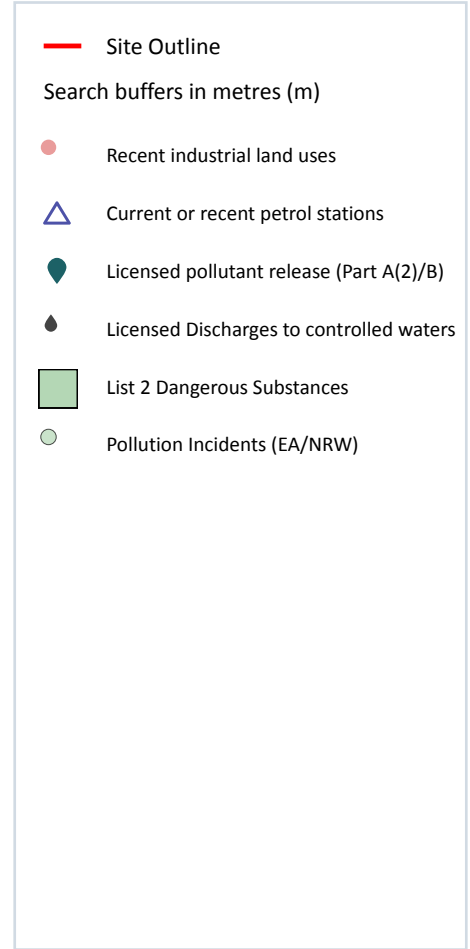
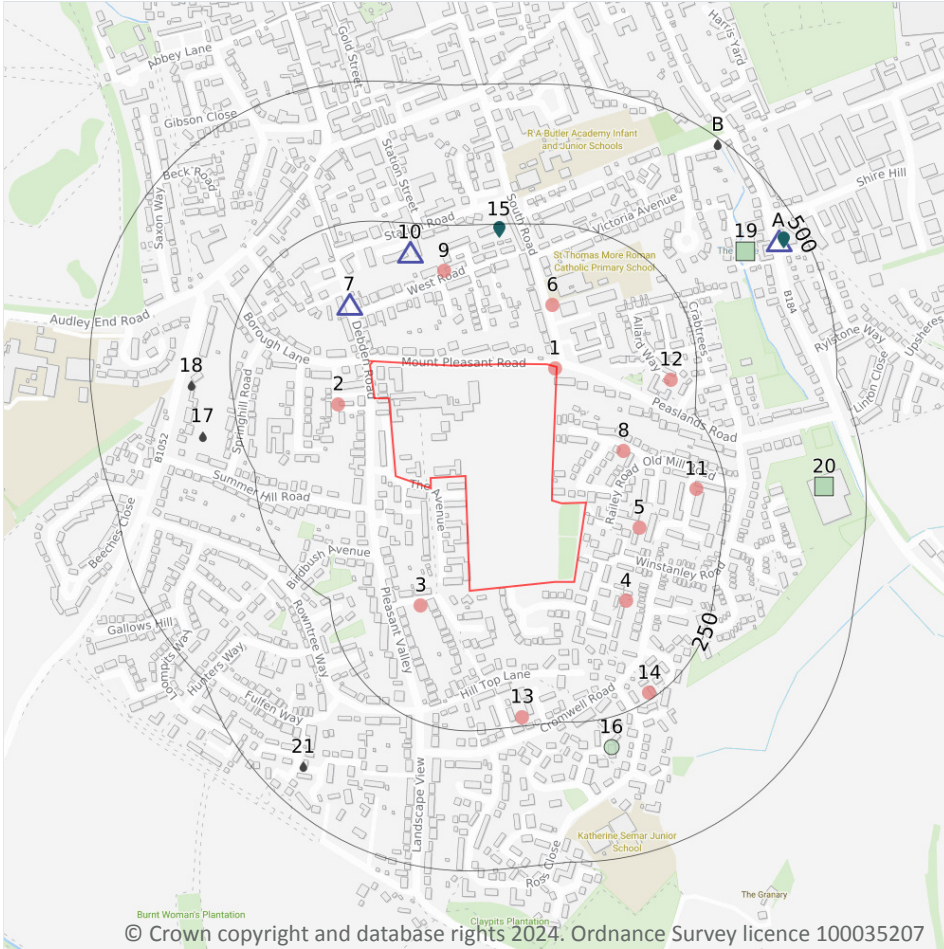
ID	Location	Site	Reference	Category	Sub-Category	Description
1	117m SE	32 Ansgar Road SAFFRON WALDEN Essex CB11 3EJ	EPR/YE5859ZB /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
A	123m W	-	WEX345588	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	123m W	-	WEX300385	Treating waste exemption	Not on a Farm	Sorting and de-naturing of controlled drugs for disposal
A	123m W	-	WEX220415	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	166m W	11, MANDEVILLE ROAD, SAFFRON WALDEN, CB11 4AQ	WEX305940	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

12

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 42 >](#)

ID	Location	Company	Address	Activity	Category
1	On site	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
2	66m W	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
3	91m SW	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
4	98m SE	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
5	101m SE	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
6	106m N	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
8	114m E	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
9	168m N	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
11	199m E	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
12	205m NE	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
13	234m S	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities
14	239m SE	Electricity Sub Station	Essex, CB11	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

3

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 42 >](#)

ID	Location	Company	Address	LPG	Status
7	109m NW	UK	Debden Road, Saffron Walden, Essex, CB11 4AB	Not Applicable	Obsolete
10	197m N	OBSOLETE	Station Road, Saffron Walden, Essex, CB11 3HH	Not Applicable	Obsolete
A	455m NE	GULF	Thaxted Road, Shire Hill, Saffron Walden, Essex, CB11 3BJ	Not Applicable	Obsolete

This data is sourced from Experian.



4.3 Electricity cables

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

This data is sourced from National Grid.

4.4 Gas pipelines

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

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

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

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0
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Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

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

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

2

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 42 >](#)

ID	Location	Address	Details	
15	240m N	Cleales Ltd, Station Road, Saffron Walden, CB11 3HQ	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
A	463m NE	Shire Hill Garage, Thaxted Road, Saffron Walden, Essex, CB11 3BJ	Process: Petrol Vapour Recovery Status: Revoked 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

6

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

Features are displayed on the Current industrial land use map on [page 42 >](#)

ID	Location	Address	Details	
17	315m W	39 NEWPORT ROAD, SAFFRON WALDEN, ESSEX, CB11 4BS	Effluent Type: UNSPECIFIED Permit Number: PRCLF01993 Permit Version: 1 Receiving Water: land	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 20/10/1989 Effective Date: 20/10/1989 Revocation Date: 01/10/1996
18	321m W	NEWPORT ROAD, SAFFRON WALDEN, ESSEX., CB11 4BS	Effluent Type: UNSPECIFIED Permit Number: PR1LFU179 Permit Version: 1 Receiving Water: Land	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 07/03/1983 Effective Date: 07/03/1983 Revocation Date: 01/10/1996
21	432m SW	DEBDEN ROAD PUMPING STATION, SAFFRON WALDON, ESSEX.	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: PR1NFG0753 Permit Version: 1 Receiving Water: Unknown Trib.	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 12/08/1977 Effective Date: 12/08/1977 Revocation Date: 29/07/2003
B	489m NE	THAXTED ROAD/VICTORIA AVE CSO, VICTORIA AVENUE, SAFFRON WALDEN, ESSEX, CB11 3AA	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: ASCNF10068 Permit Version: 1 Receiving Water: The Slade	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 24/07/1992 Effective Date: 24/07/1992 Revocation Date: 02/05/1995
B	489m NE	THAXTED ROAD/VICTORIA AVE CSO, VICTORIA AVENUE, SAFFRON WALDEN, ESSEX, CB11 3AA	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: ASCNF10068 Permit Version: 2 Receiving Water: The Slade	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 03/05/1995 Effective Date: 03/05/1995 Revocation Date: 14/03/2019



ID	Location	Address	Details	
B	489m NE	THAXTED ROAD/VICTORIA AVE CSO, VICTORIA AVENUE, SAFFRON WALDEN, ESSEX, CB11 3AA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: EPRNB3691VH Permit Version: 1 Receiving Water: The Slade	Status: NEW ISSUED UNDER EPR 2010 Issue date: 29/08/2019 Effective Date: 29/08/2019 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

2

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.

Features are displayed on the Current industrial land use map on [page 42 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
19	395m NE	Walden Dairy	Not Active	Na	pH



ID	Location	Name	Status	Receiving Water	Authorised Substances
20	426m E	Lord Butler Fitness & Leisure Centre	Not Active	Na	pH

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	1
----------------------------	----------

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 42 >](#)

ID	Location	Details	
16	302m SE	Incident Date: 27/12/2002 Incident Identification: 127758 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	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	0
----------------------------	----------

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

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

4.20 Pollution inventory waste transfers

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

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

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

4.21 Pollution inventory radioactive waste

Records within 500m

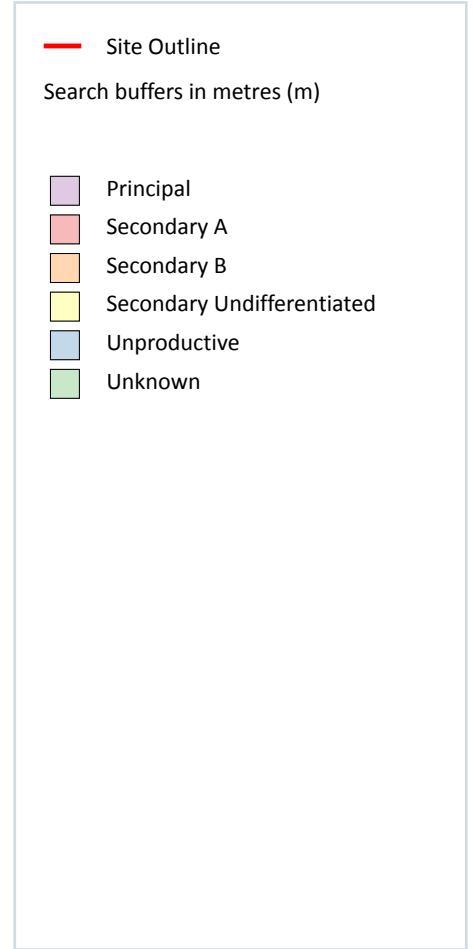
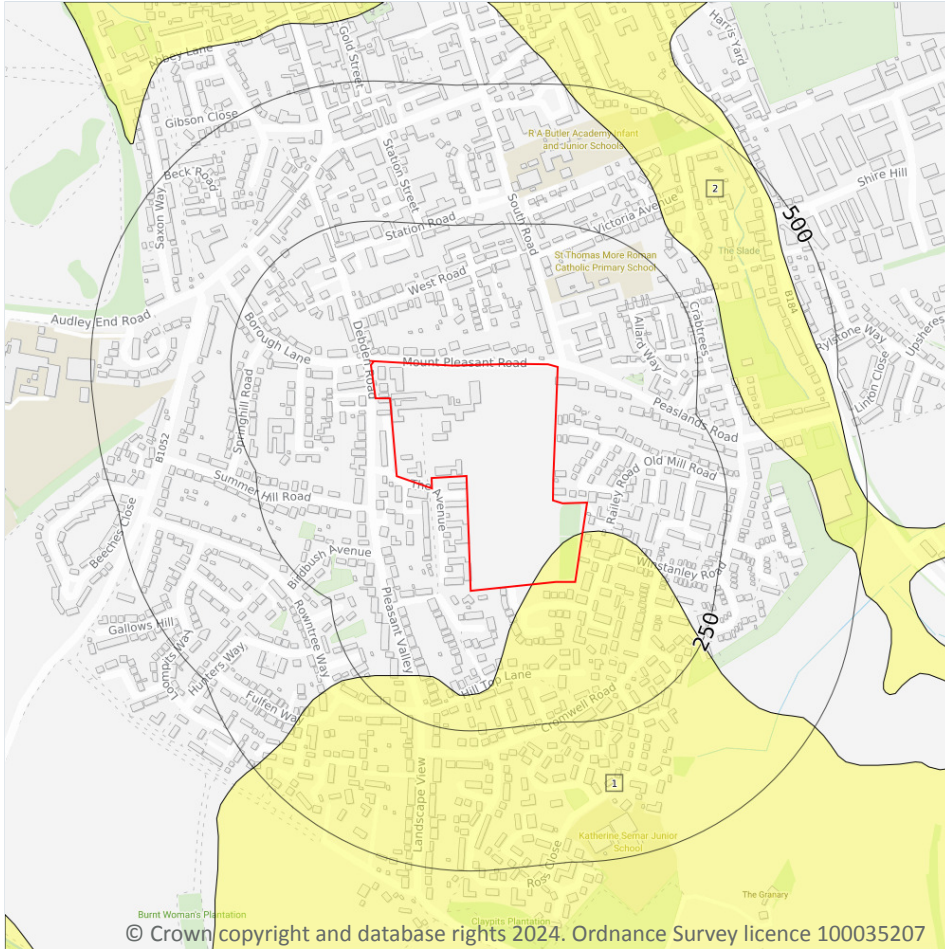
0

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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

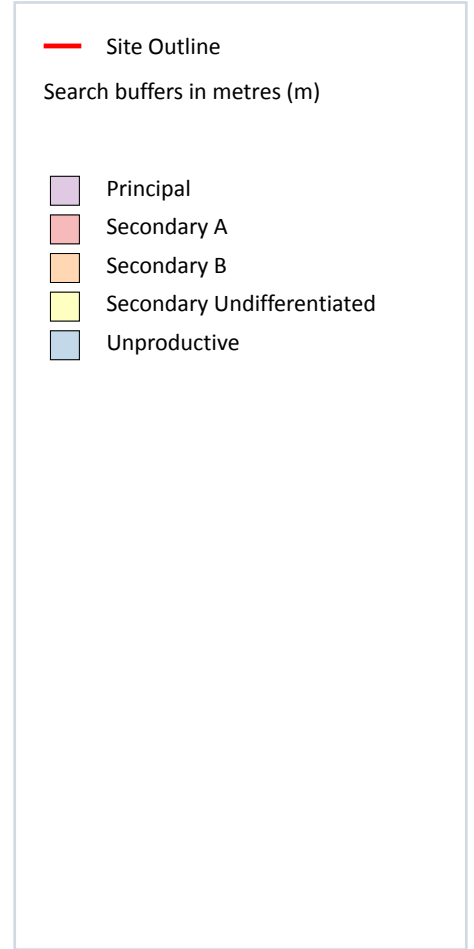
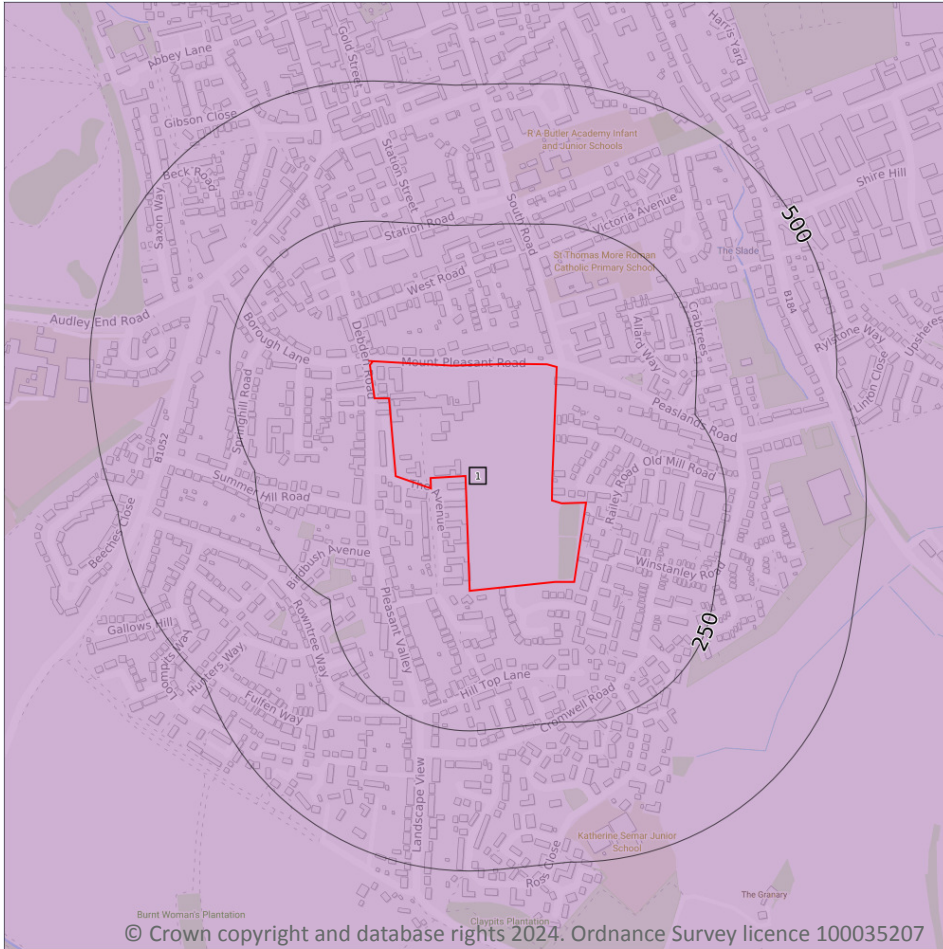
Features are displayed on the Hydrogeology map on [page 50](#) >

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	302m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

1

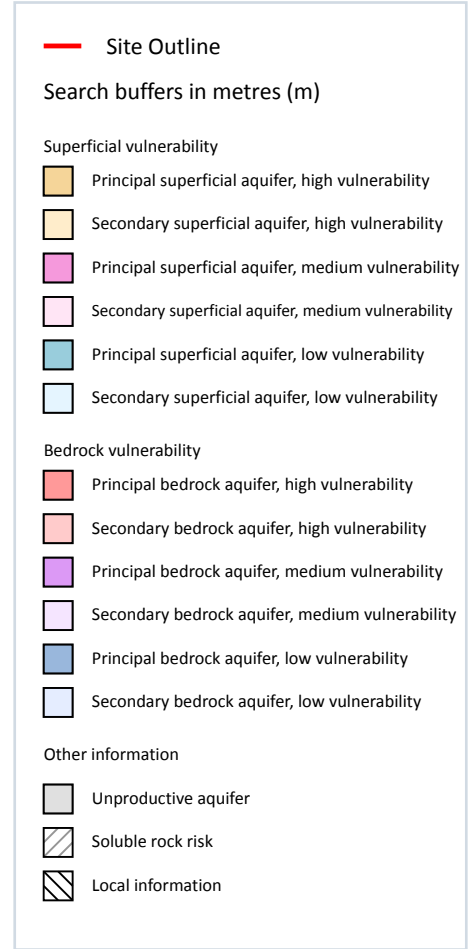
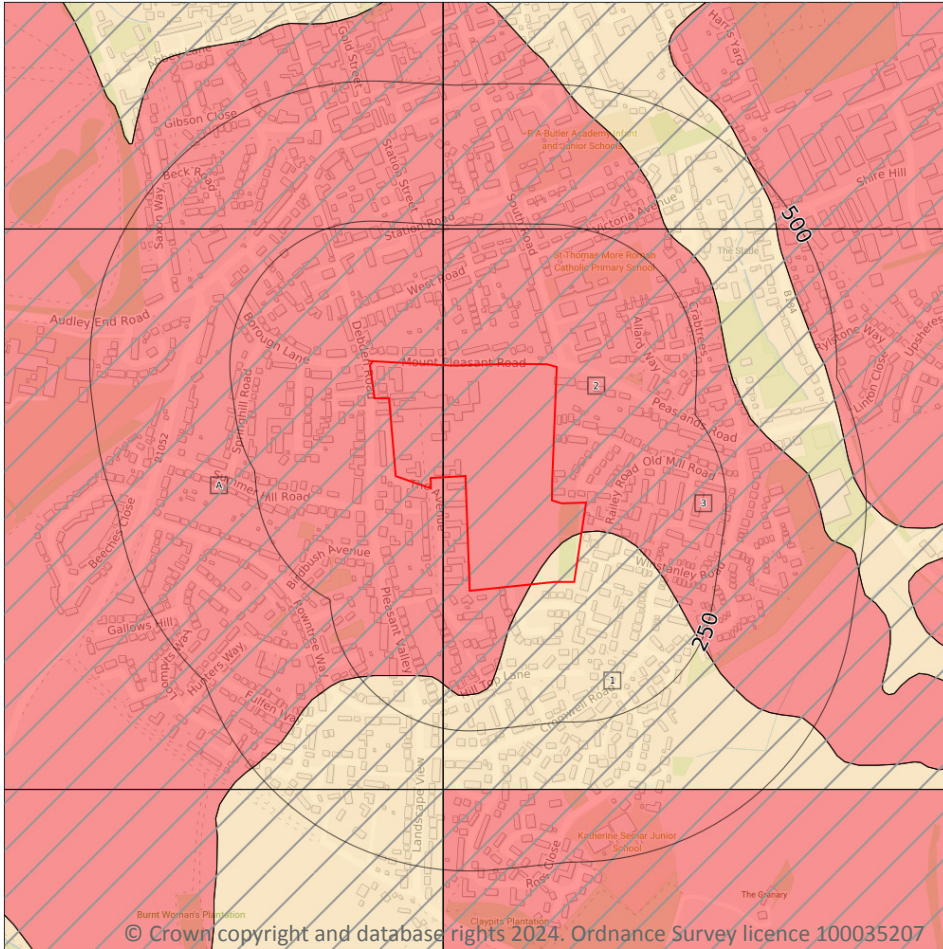
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 52 >](#)

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

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

3

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

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

Features are displayed on the Groundwater vulnerability map on [page 53](#) >

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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

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
3	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	10.0%
A	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	3.0%

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



5.5 Groundwater vulnerability- local information

Records on site

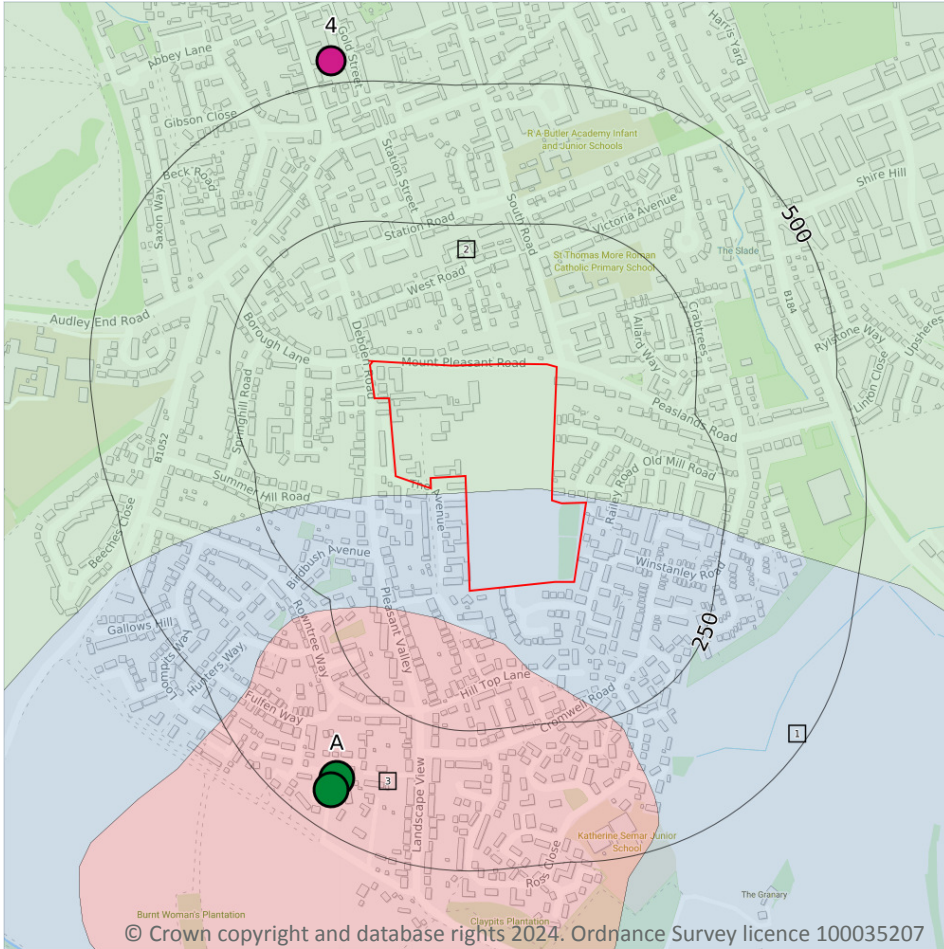
0

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

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



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

13

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 56 >](#)

ID	Location	Details	
A	410m SW	Status: Active Licence No: 6/33/27/*G/0013 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT DEBDEN ROAD, SAFFRON WALDEN Data Type: Point Name: Affinity Water Limited Easting: 553810 Northing: 237020	Annual Volume (m ³): 1244467.5 Max Daily Volume (m ³): 3491.33 Original Application No: NPS/WR/011805 Original Start Date: 21/11/1966 Expiry Date: - Issue No: 103 Version Start Date: 14/11/2012 Version End Date: -
A	410m SW	Status: Historical Licence No: 6/33/27/*G/0013 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: DEBDEN ROAD, SAFFRON WALDEN Data Type: Point Name: THREE VALLEYS WATER PLC Easting: 553810 Northing: 237020	Annual Volume (m ³): 1244467.50 Max Daily Volume (m ³): 3491.33 Original Application No: - Original Start Date: 21/11/1966 Expiry Date: - Issue No: 101 Version Start Date: 27/12/2007 Version End Date: -
A	432m SW	Status: Historical Licence No: 6/33/27/*G/0013 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: DEBDEN ROAD,SAFFRON WALDEN Data Type: Point Name: THREE VALLEYS WATER PLC Easting: 553800 Northing: 237000	Annual Volume (m ³): 1244467.50 Max Daily Volume (m ³): 3491.33 Original Application No: - Original Start Date: 01/11/1966 Expiry Date: - Issue No: 101 Version Start Date: 27/12/2007 Version End Date: -
4	540m N	Status: Active Licence No: 6/33/27/*G/0002 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT SAFFRON WALDEN Data Type: Point Name: SAFFRON WALDEN STEAM LAUNDRY CO LTD Easting: 553800 Northing: 238300	Annual Volume (m ³): 22727 Max Daily Volume (m ³): 90.91 Original Application No: - Original Start Date: 01/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	892m E	Status: Historical Licence No: 6/33/27/*G/0024 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL 1 E OF SAFFRON WALDEN Data Type: Point Name: ENGELMANN FARMS LTD Easting: 555100 Northing: 237800	Annual Volume (m ³): 2727.6 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 01/01/1968 Expiry Date: - Issue No: 100 Version Start Date: 02/03/1994 Version End Date: -



ID	Location	Details	
-	892m E	Status: Historical Licence No: 6/33/27/*G/0024 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL 1 E OF SAFFRON WALDEN Data Type: Point Name: ENGELMANN FARMS LTD Easting: 555100 Northing: 237800	Annual Volume (m ³): 2727.6 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 01/01/1968 Expiry Date: - Issue No: 100 Version Start Date: 02/03/1994 Version End Date: -
-	1449m NE	Status: Historical Licence No: 6/33/27/*G/0024 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL 2 E OF SAFFRON WALDEN Data Type: Point Name: ENGELMANN FARMS LTD Easting: 555500 Northing: 238400	Annual Volume (m ³): 2727.6 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 01/01/1968 Expiry Date: - Issue No: 100 Version Start Date: 02/03/1994 Version End Date: -
-	1449m NE	Status: Historical Licence No: 6/33/27/*G/0024 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL 2 E OF SAFFRON WALDEN Data Type: Point Name: ENGELMANN FARMS LTD Easting: 555500 Northing: 238400	Annual Volume (m ³): 2727.6 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 01/01/1968 Expiry Date: - Issue No: 100 Version Start Date: 02/03/1994 Version End Date: -
-	1580m NW	Status: Historical Licence No: 6/33/27/*G/0136/R02 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT SAFFRON WALDEN Data Type: Point Name: SAFFRON WALDEN GOLF CLUB Easting: 552600 Northing: 238700	Annual Volume (m ³): 7000 Max Daily Volume (m ³): 74 Original Application No: NPS/WR/023419 Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1580m NW	Status: Historical Licence No: 6/33/27/*G/0122 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT SAFFRON WALDEN Data Type: Point Name: SAFFRON WALDEN GOLF CLUB Easting: 552600 Northing: 238700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/05/1994 Expiry Date: 30-Sep-03 Issue No: 100 Version Start Date: 01/05/1994 Version End Date: -



ID	Location	Details	
-	1580m NW	Status: Historical Licence No: 6/33/27/*G/0136 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT SAFFRON WALDEN Data Type: Point Name: SAFFRON WALDEN GOLF CLUB Easting: 552600 Northing: 238700	Annual Volume (m ³): 9091 Max Daily Volume (m ³): 73.6 Original Application No: - Original Start Date: 19/04/2004 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 02/05/2008 Version End Date: -
-	1580m NW	Status: Historical Licence No: 6/33/27/*G/0136/R01 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT SAFFRON WALDEN Data Type: Point Name: SAFFRON WALDEN GOLF CLUB Easting: 552600 Northing: 238700	Annual Volume (m ³): 9091 Max Daily Volume (m ³): 73.6 Original Application No: - Original Start Date: 30/04/2015 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 30/04/2015 Version End Date: -
-	1580m NW	Status: Active Licence No: 6/33/27/*G/0136/R03 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT SAFFRON WALDEN Data Type: Point Name: SAFFRON WALDEN GOLF CLUB Easting: 552600 Northing: 238700	Annual Volume (m ³): 7000 Max Daily Volume (m ³): 74 Original Application No: NPS/WR/039331 Original Start Date: 01/04/2024 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 01/04/2024 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

5

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 56 >](#)



ID	Location	Details	
-	1446m W	Status: Historical Licence No: 6/33/27/*S/0115 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: SPRING TRIBUTARY OF RIVER CAM Data Type: Point Name: LORD BRAYBROOKE Easting: 552490 Northing: 237290	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/07/1990 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1990 Version End Date: -
-	1682m W	Status: Active Licence No: 6/33/27/*S/0055 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: RIVER CAM AT SAFFRON WALDEN Data Type: Line Name: English Heritage Easting: 552253 Northing: 238435	Annual Volume (m ³): 3382 Max Daily Volume (m ³): 36.4 Original Application No: NPS/WR/010777 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/08/2012 Version End Date: -
-	1682m W	Status: Active Licence No: 6/33/27/*S/0055 Details: General Farming & Domestic Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: RIVER CAM AT SAFFRON WALDEN Data Type: Line Name: English Heritage Easting: 552253 Northing: 238435	Annual Volume (m ³): 3382 Max Daily Volume (m ³): 36.4 Original Application No: NPS/WR/010777 Original Start Date: 01/06/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/08/2012 Version End Date: -
-	1788m NW	Status: Historical Licence No: 6/33/27/*S/0055 Details: General Farming & Domestic Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: RIVER CAM W OF SAFFRON WALDEN Data Type: Point Name: English Heritage Easting: 552200 Northing: 238400	Annual Volume (m ³): 3382 Max Daily Volume (m ³): 36.4 Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 19/04/2012 Version End Date: -
-	1788m NW	Status: Historical Licence No: 6/33/27/*S/0055 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: RIVER CAM W OF SAFFRON WALDEN Data Type: Point Name: English Heritage Easting: 552200 Northing: 238400	Annual Volume (m ³): 3382 Max Daily Volume (m ³): 36.4 Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 19/04/2012 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m

3

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 56 >](#)

ID	Location	Details	
A	410m SW	Status: Active Licence No: 6/33/27/*G/0013 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT DEBDEN ROAD, SAFFRON WALDEN Data Type: Point Name: Affinity Water Limited Easting: 553810 Northing: 237020	Annual Volume (m ³): 1244467.5 Max Daily Volume (m ³): 3491.33 Original Application No: NPS/WR/011805 Original Start Date: 21/11/1966 Expiry Date: - Issue No: 103 Version Start Date: 14/11/2012 Version End Date: -
A	410m SW	Status: Historical Licence No: 6/33/27/*G/0013 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: DEBDEN ROAD, SAFFRON WALDEN Data Type: Point Name: THREE VALLEYS WATER PLC Easting: 553810 Northing: 237020	Annual Volume (m ³): 1244467.50 Max Daily Volume (m ³): 3491.33 Original Application No: - Original Start Date: 21/11/1966 Expiry Date: - Issue No: 101 Version Start Date: 27/12/2007 Version End Date: -
A	432m SW	Status: Historical Licence No: 6/33/27/*G/0013 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: DEBDEN ROAD,SAFFRON WALDEN Data Type: Point Name: THREE VALLEYS WATER PLC Easting: 553800 Northing: 237000	Annual Volume (m ³): 1244467.50 Max Daily Volume (m ³): 3491.33 Original Application No: - Original Start Date: 01/11/1966 Expiry Date: - Issue No: 101 Version Start Date: 27/12/2007 Version End Date: -

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



5.9 Source Protection Zones

Records within 500m

3

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on [page 56 >](#)

ID	Location	Type	Description
1	On site	2	Outer catchment
2	On site	3	Total catchment
3	67m S	1	Inner catchment

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

5.10 Source Protection Zones (confined aquifer)

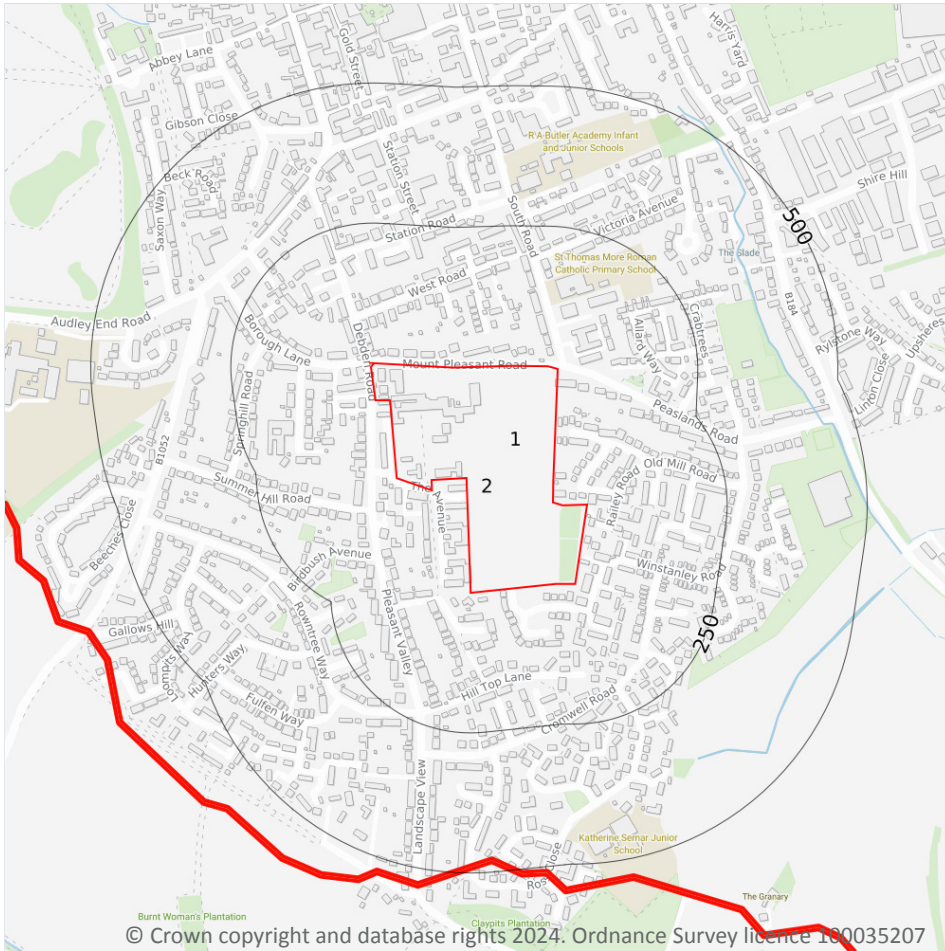
Records within 500m

0

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

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

6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

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.

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 63 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Slade	GB105033037580	Cam Rhee and Granta	Cam and Ely Ouse

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 63 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	649m N	River	Slade	GB105033037580 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site

1

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



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

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Cam and Ely Ouse Chalk	GB40501G400500 ↗	Poor	Poor	Poor	2019

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

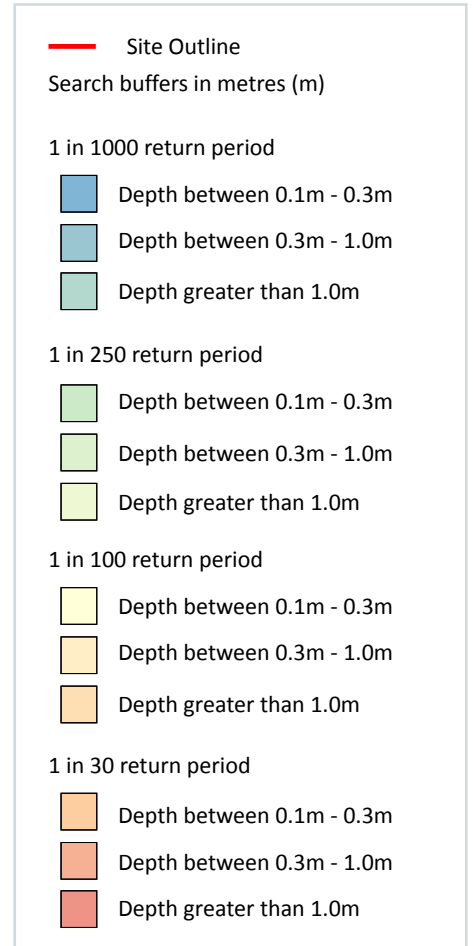
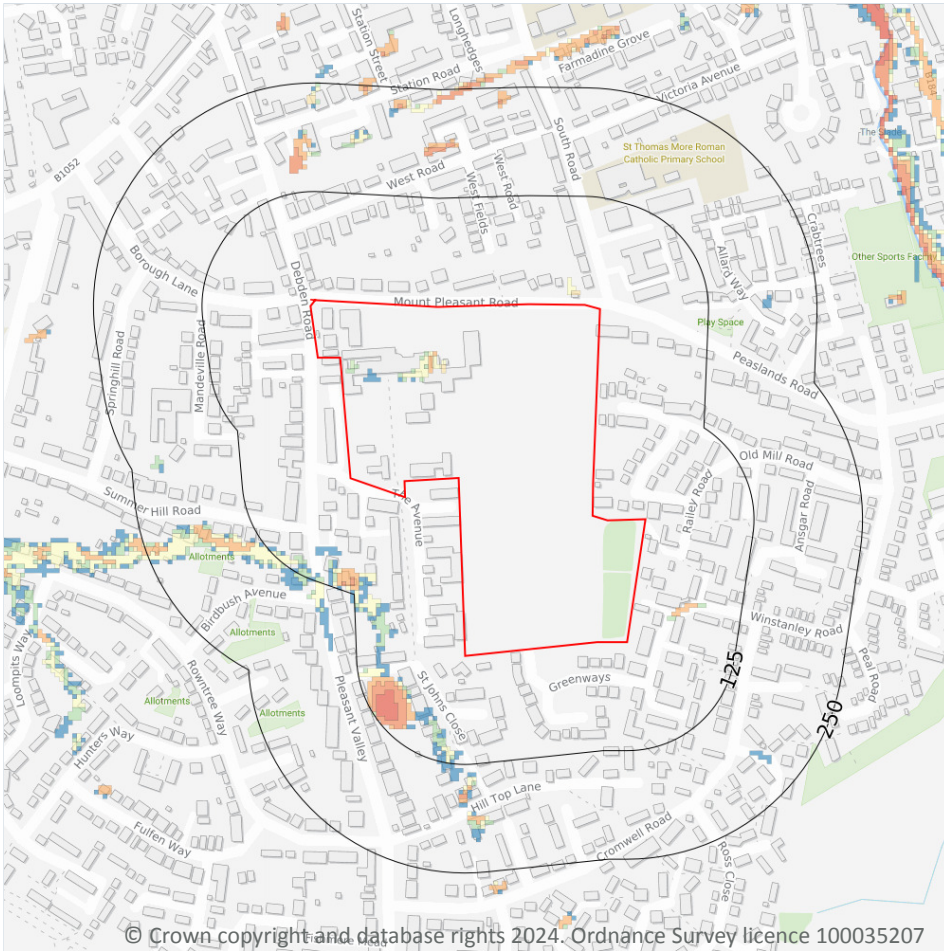
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

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 69 >](#)

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

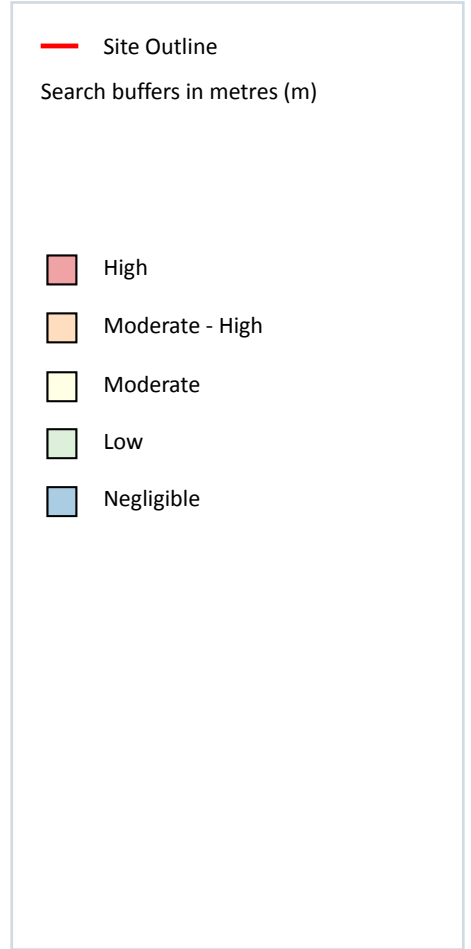
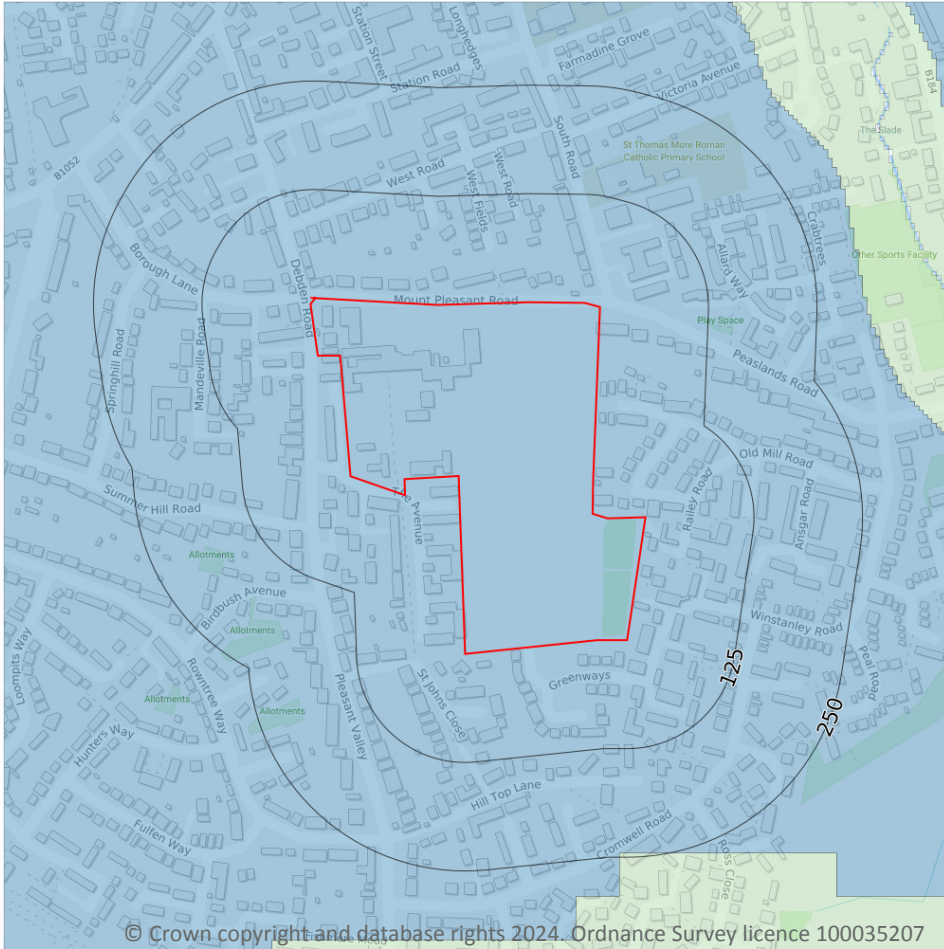
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

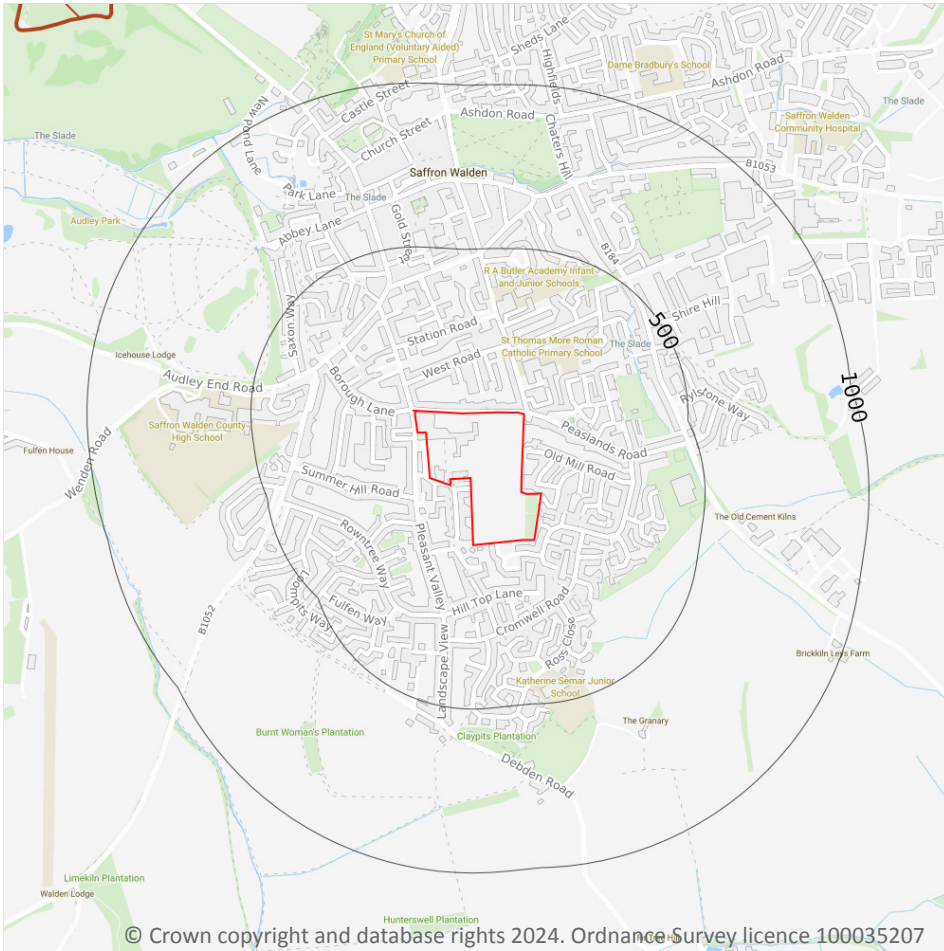
Negligible

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 71](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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.

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

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

4

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 72 >](#)

ID	Location	Name	Woodland Type
1	1524m NW	Spring Wood	Ancient & Semi-Natural Woodland
-	1640m S	Brakey Ley Wood	Ancient Replanted Woodland
-	1697m NE	Pounce Wood	Ancient Replanted Woodland
-	1953m SE	Peverels Wood	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

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

8

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.

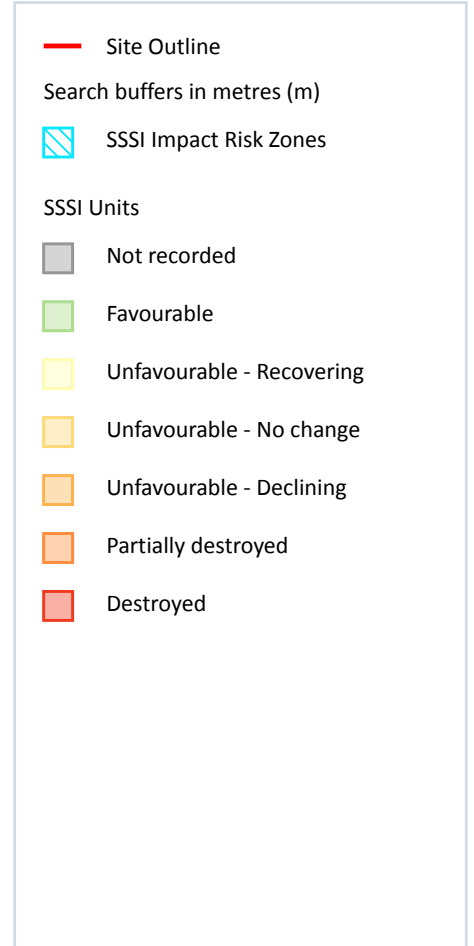
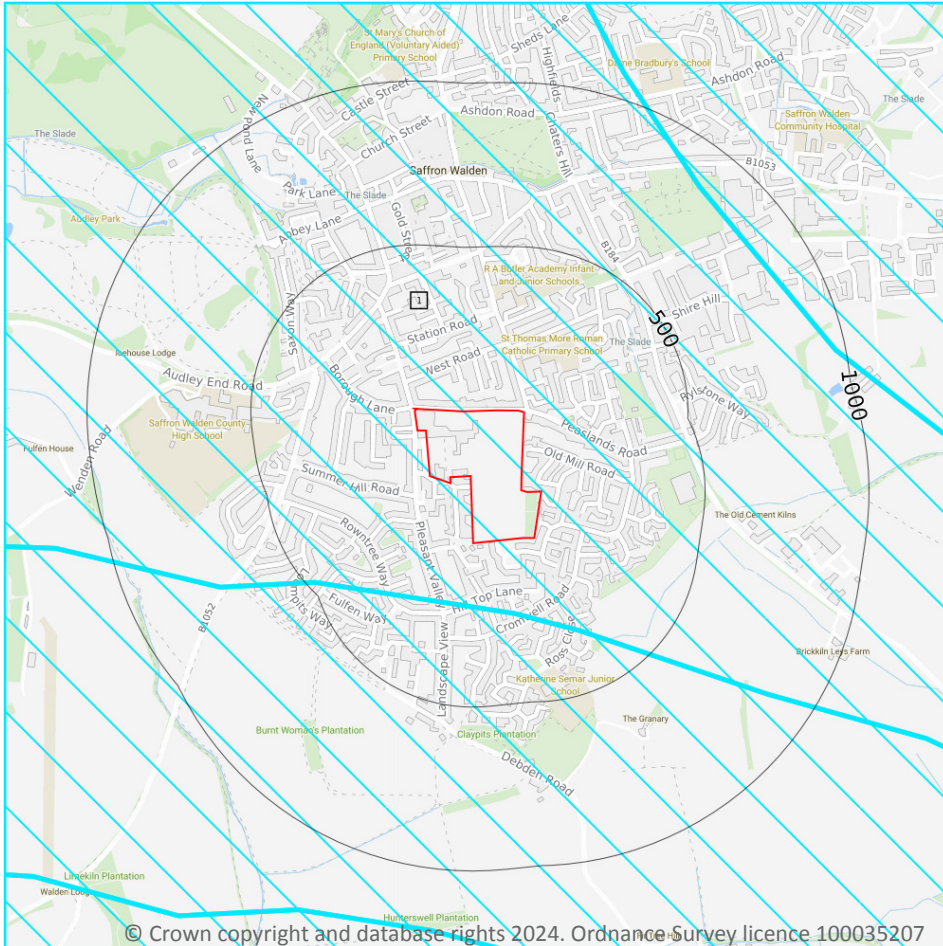
Location	Name	Type	NVZ ID	Status
On site	Ely Ouse and Cut-off channel NVZ	Surface Water	390	Existing
On site	Ely Ouse and Cut-off channel NVZ	Surface Water	390	Existing
On site	Anglian Chalk	Groundwater	71	Existing
On site	Anglian Chalk	Groundwater	71	Existing
1372m S	Ely Ouse and Cut-off channel NVZ	Surface Water	390	Existing
1372m S	Anglian Chalk	Groundwater	71	Existing
1373m S	Ely Ouse and Cut-off channel NVZ	Surface Water	390	Existing
1373m S	Anglian Chalk	Groundwater	71	Existing



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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 78](#) >

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

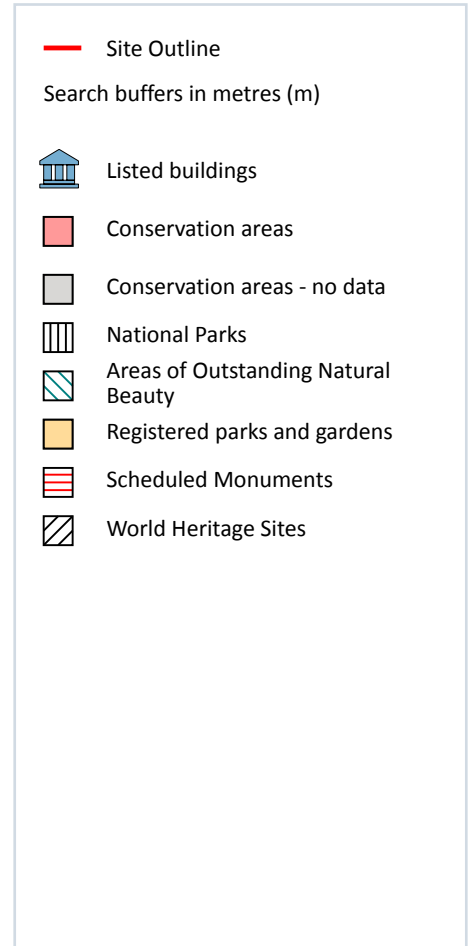
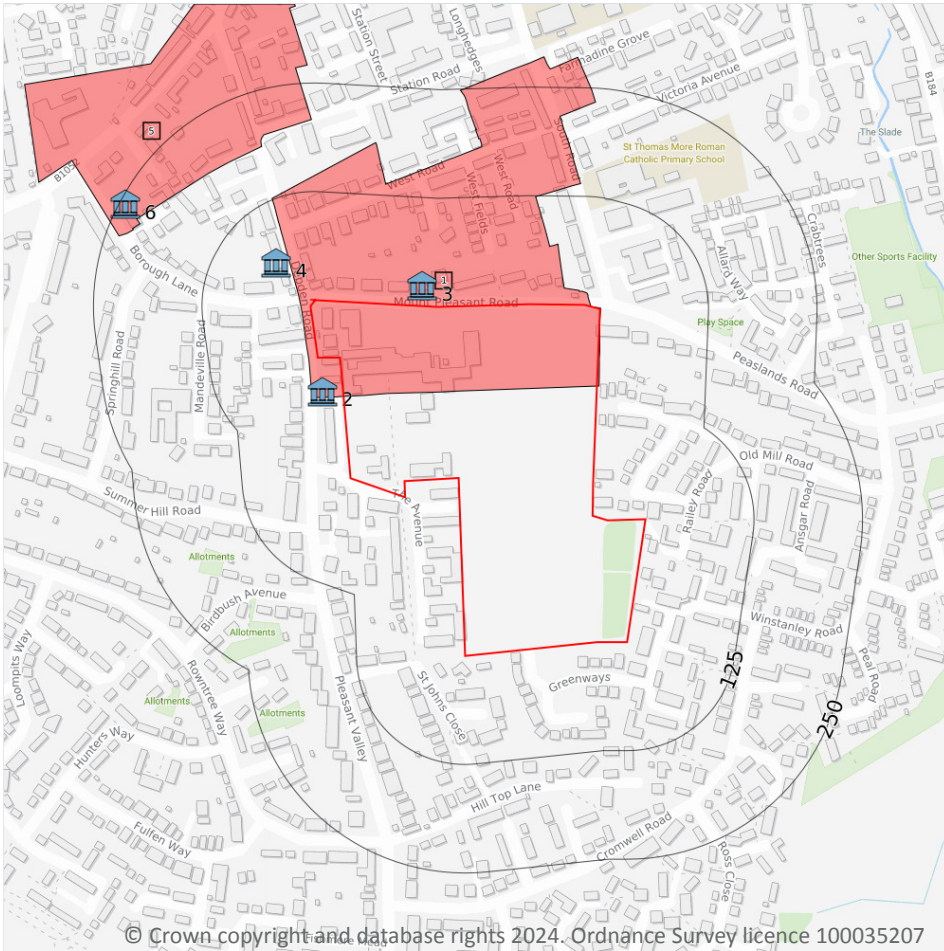
0

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.

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

4

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

Features are displayed on the Visual and cultural designations map on [page 80 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
2	24m W	Water Tower	II	1205709	31/10/1994
3	24m NW	9 And 10, Mount Pleasant	II	1196227	31/10/1994
4	61m NW	64, Debden Road	II	1297786	29/07/1991
6	244m NW	1 And 3, Borough Lane	II	1196121	31/10/1994

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



11.5 Conservation Areas

Records within 250m

2

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

Features are displayed on the Visual and cultural designations map on [page 80](#) >

ID	Location	Name	District	Date of designation
1	On site	Mount Pleasant Road	Uttlesford	1968
5	186m NW	Saffron Walden	Uttlesford	1968

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

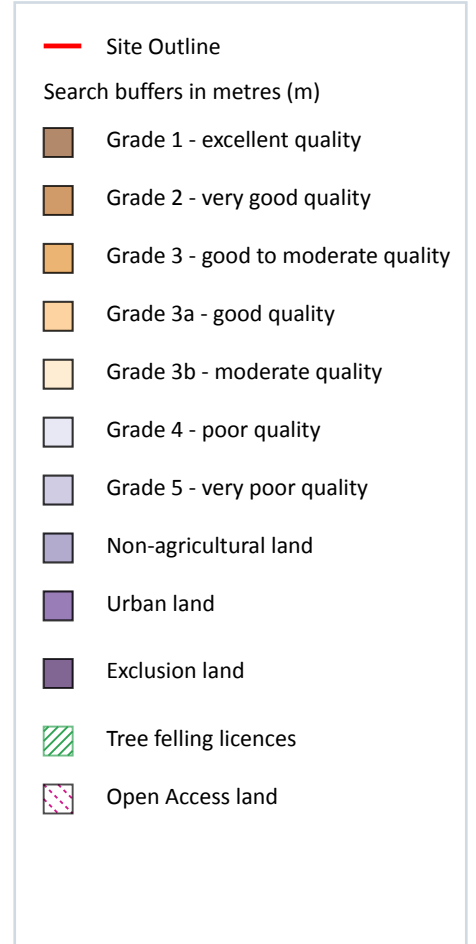
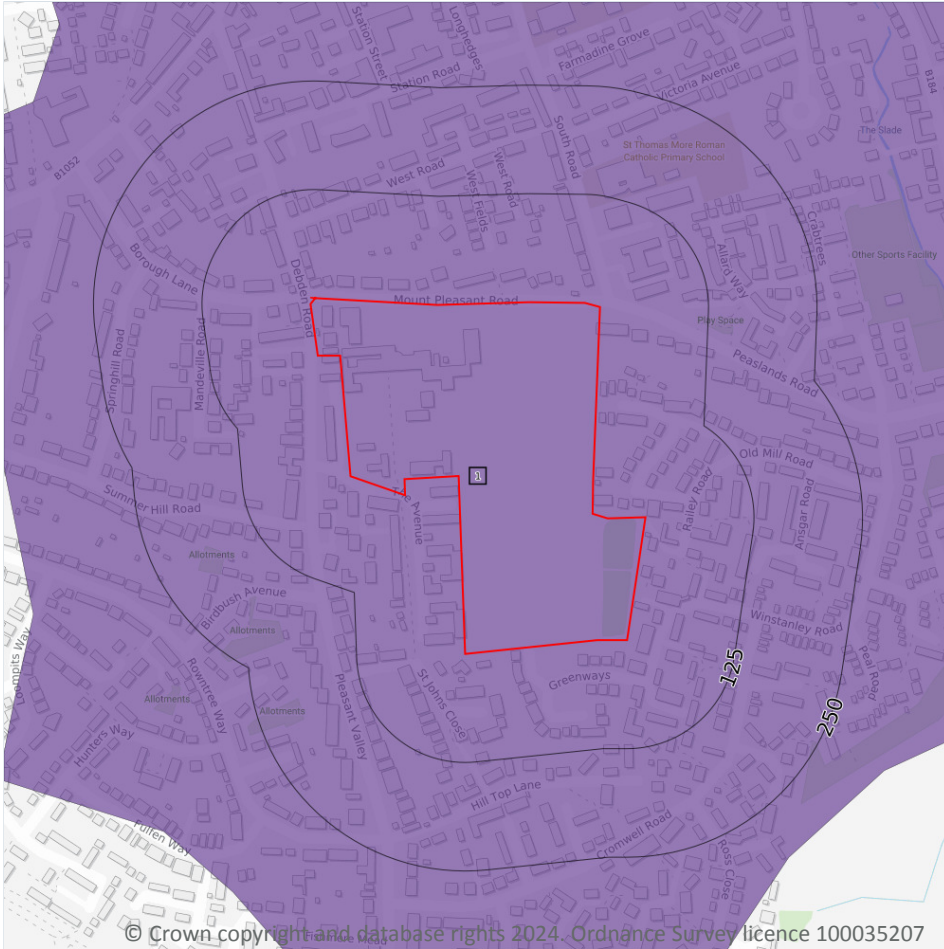
0

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



12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 83](#) >

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

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

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

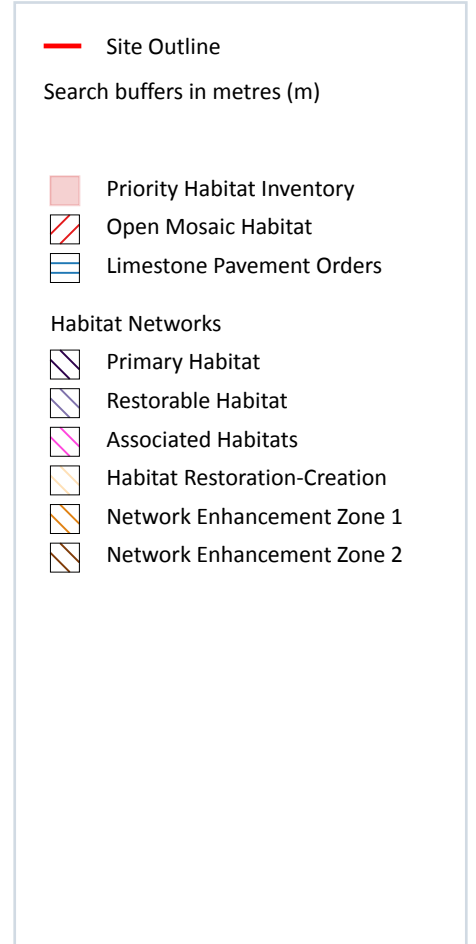
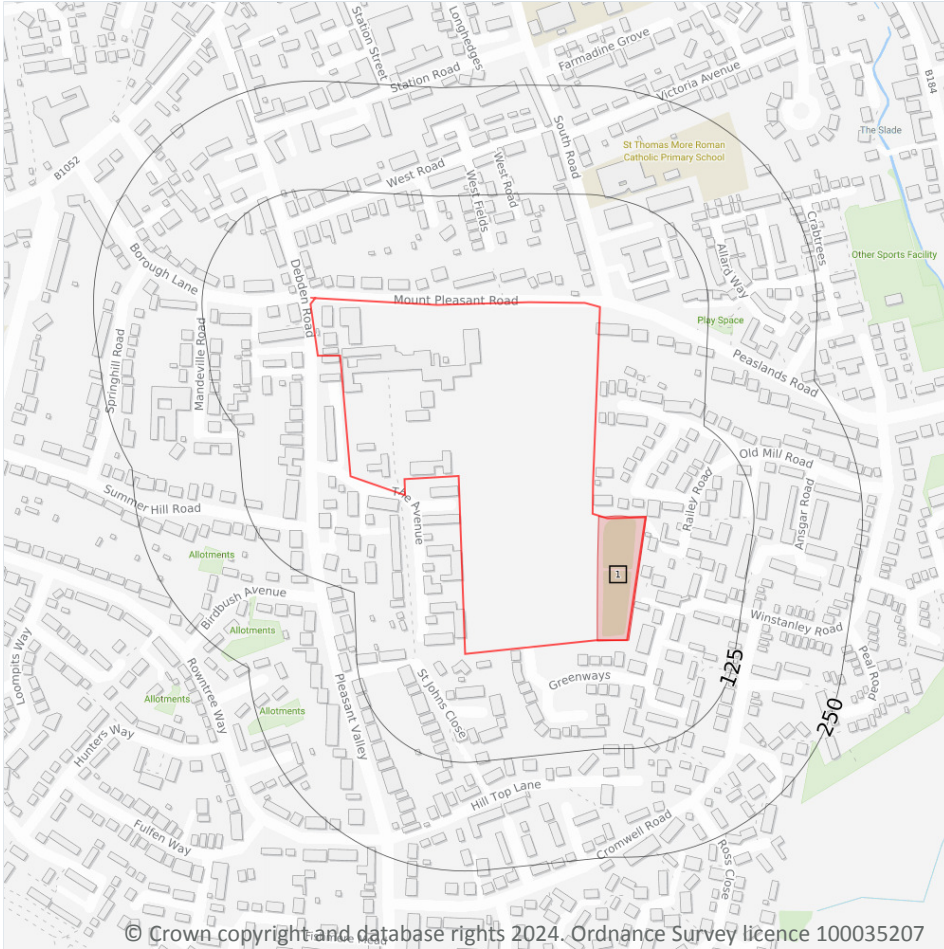
0

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

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

1

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

Features are displayed on the Habitat designations map on [page 85](#) >

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

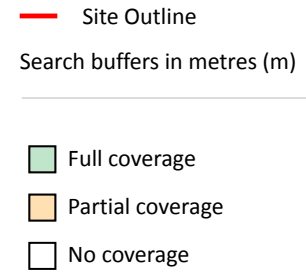
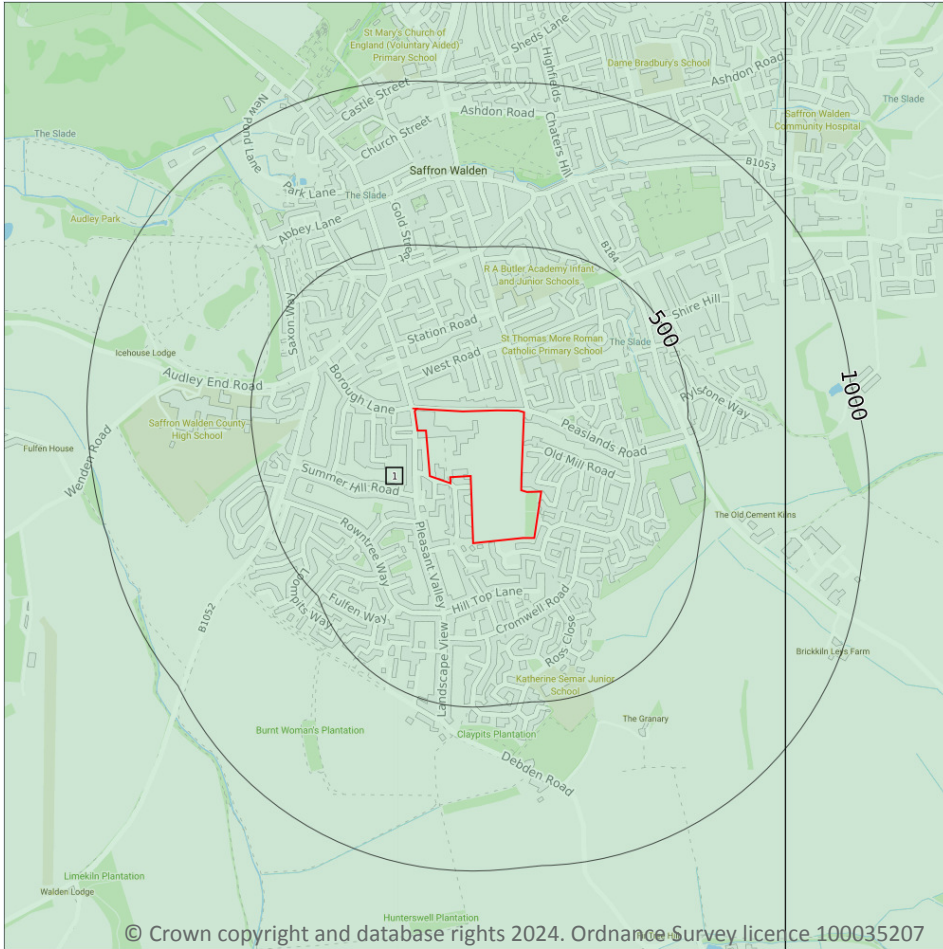
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 87](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	TL53NW

This data is sourced from the British Geological Survey.

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

14.2 Artificial and made ground (10k)

Records within 500m

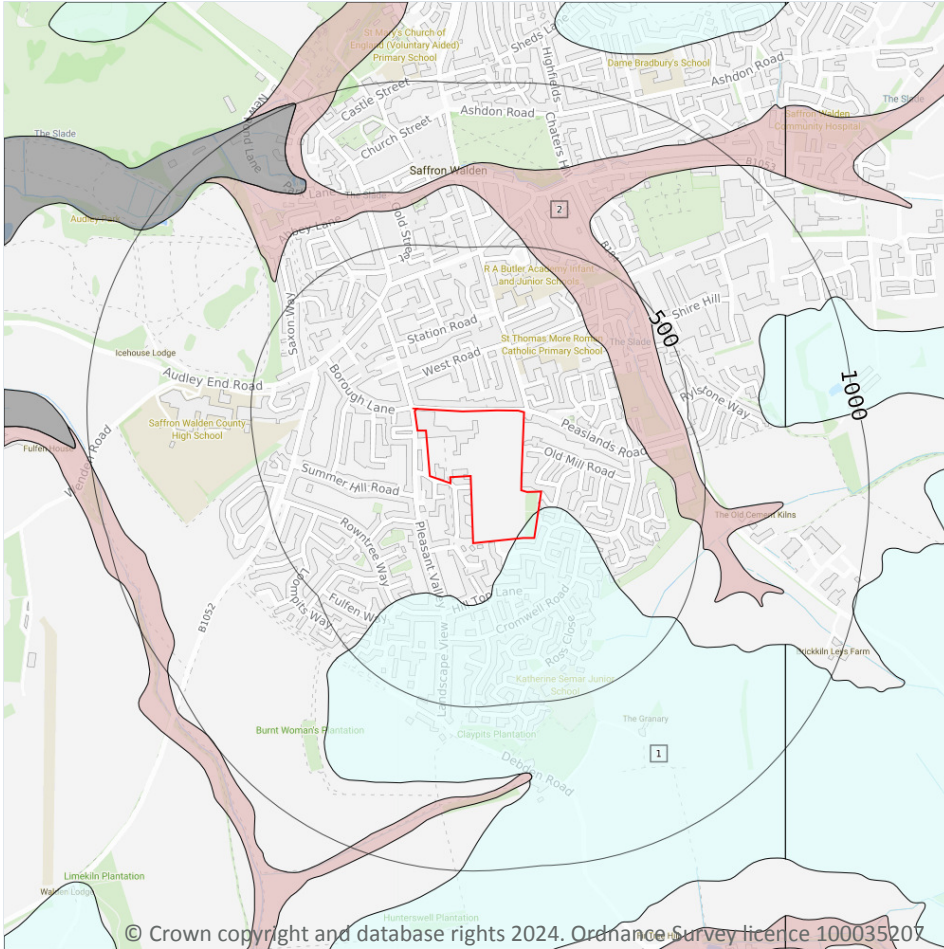
0


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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
-  Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

2

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	LOFT-DMTN	Lowestoft Formation - Diamicton	Diamicton
2	297m NE	HEAD-DMTN	Head - Diamicton	Diamicton

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

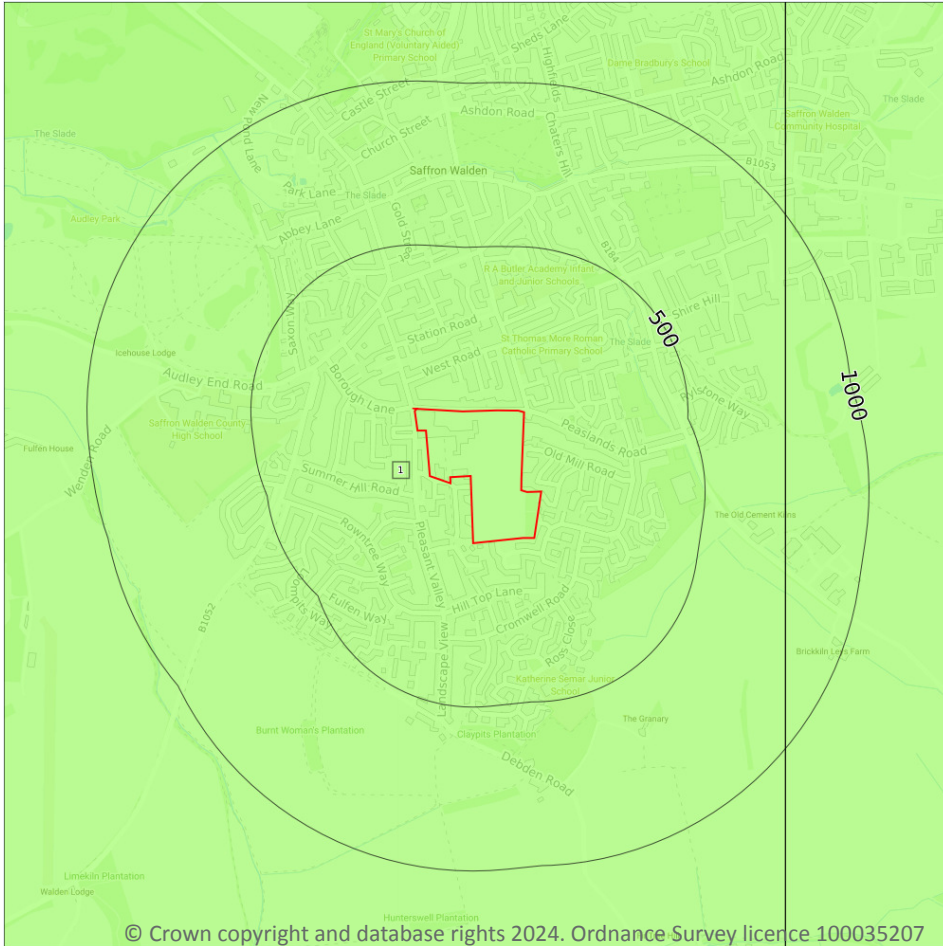
0

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

1

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 91](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	LESE-CHLK	Lewes Nodular Chalk Formation And Seaford Chalk Formation (undifferentiated) - Chalk	Santonian Age - Turonian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

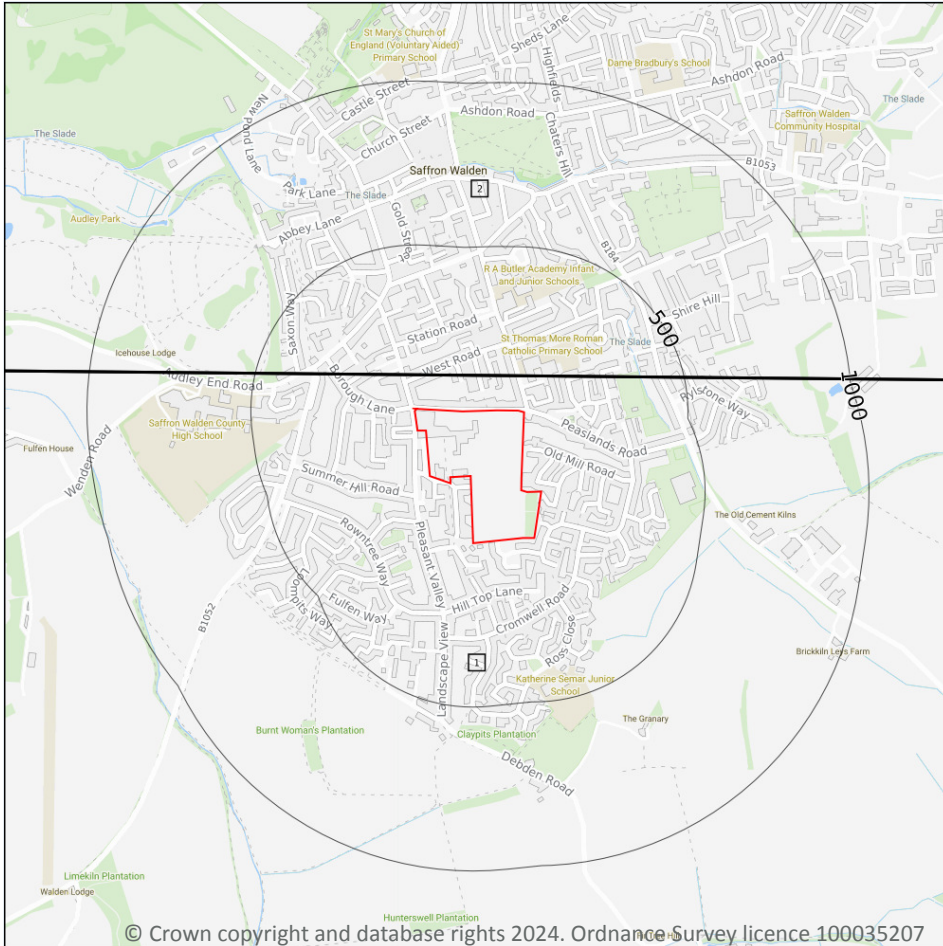
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Geological map tile

15.1 50k Availability

Records within 500m

2

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 93](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW222_great_dunmow_v4
2	104m NW	Full	Full	Full	No coverage	EW205_saffron_walden_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

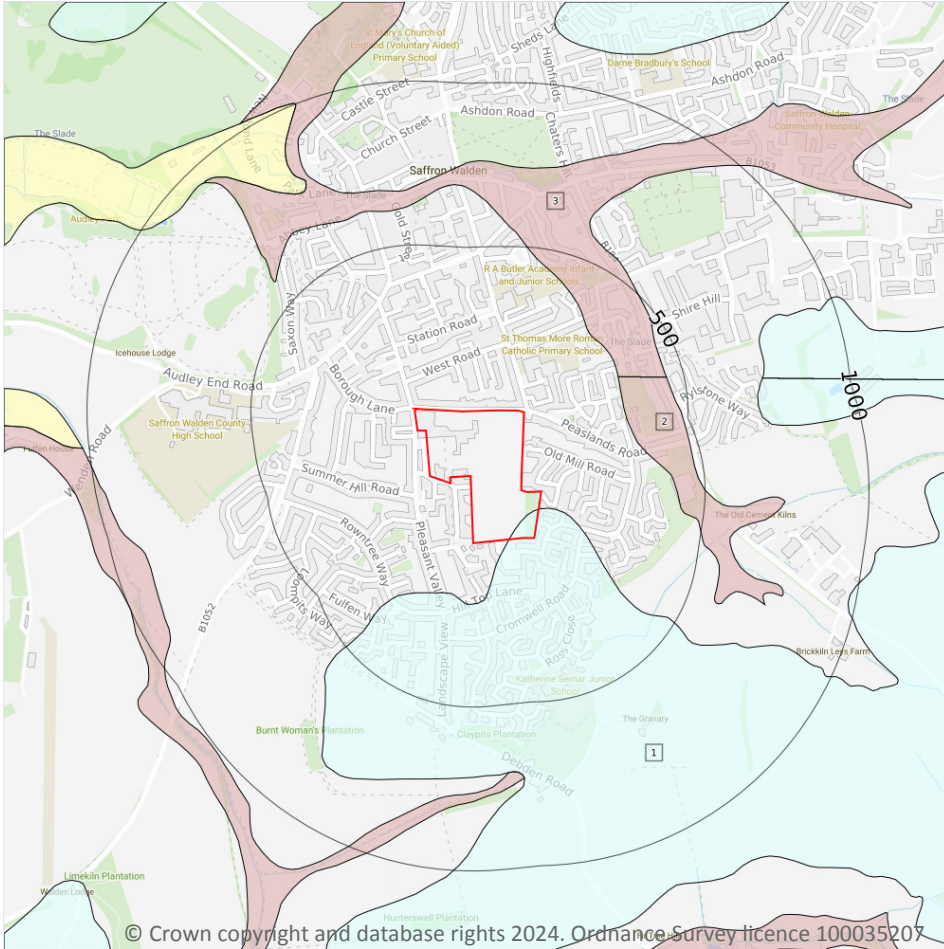
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 95 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	LOFT-DMTN	LOWESTOFT FORMATION	DIAMICTON
2	302m NE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	307m NE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Moderate	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)

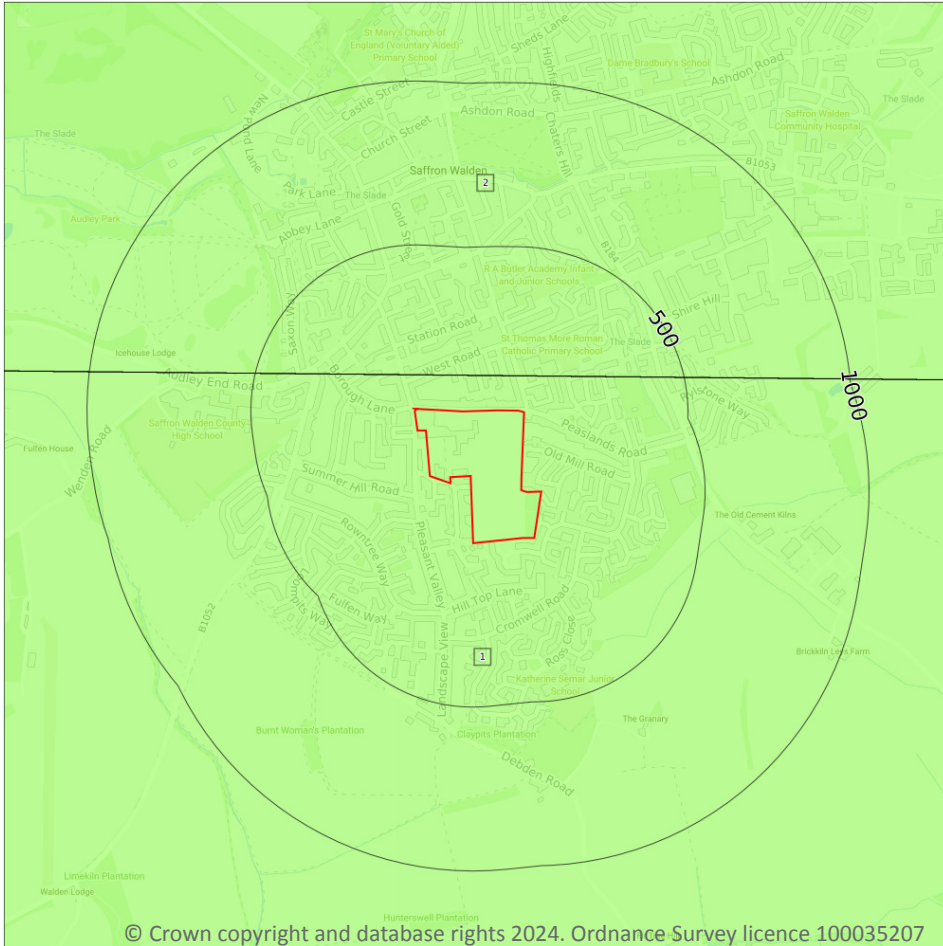
Records within 50m

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

2

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 97](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
2	104m NW	LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m	1
---------------------------	----------

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

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

This data is sourced from the British Geological Survey.

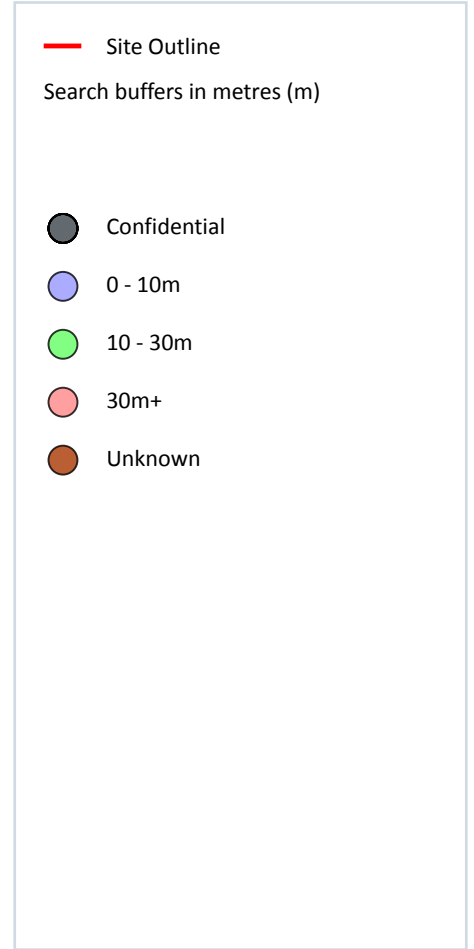
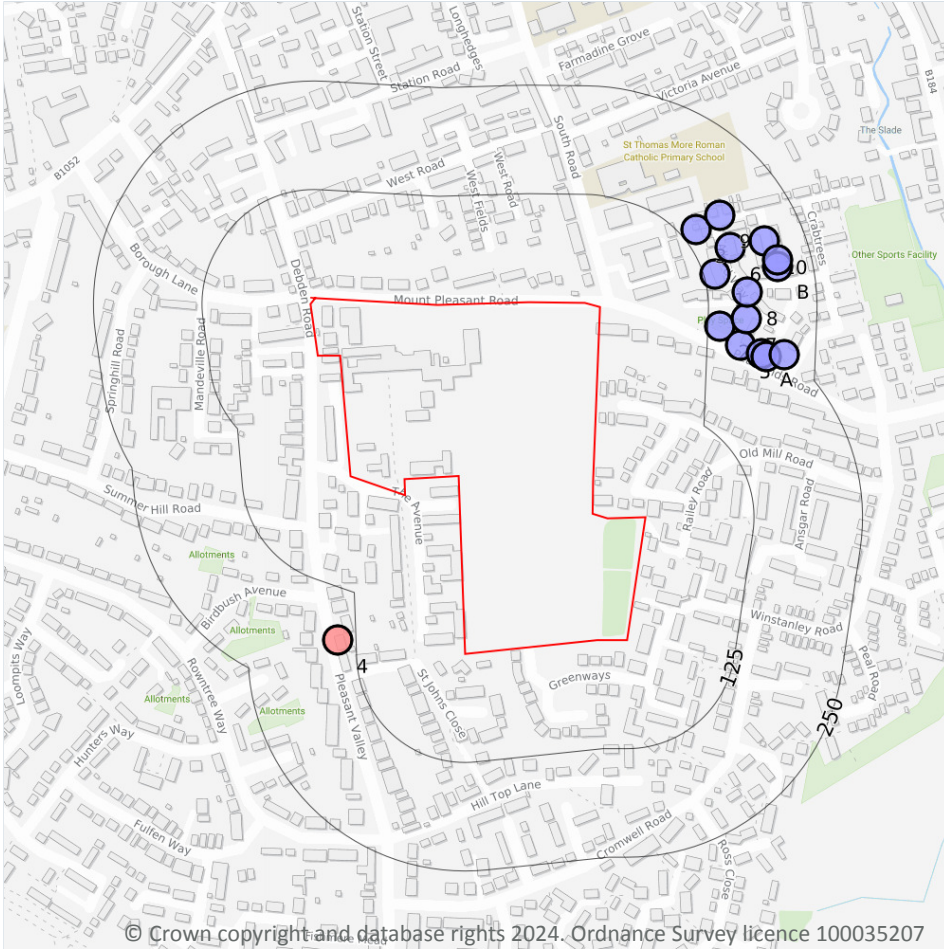
15.10 Bedrock faults and other linear features (50k)

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

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

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m

15

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 99](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	138m NE	554335 237792	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS7	2.0	N	18763482 ↗
2	138m NE	554340 237732	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS5	2.0	N	18763479 ↗

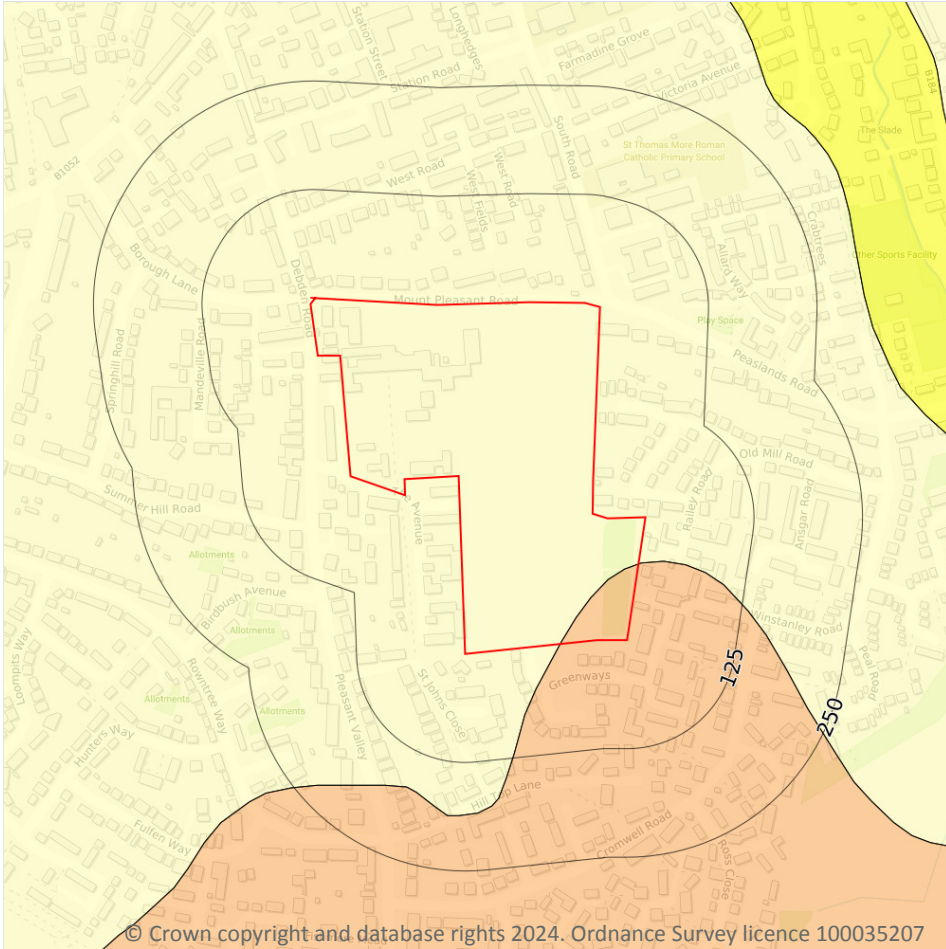


ID	Location	Grid reference	Name	Length	Confidential	Web link
3	142m NE	554313 237843	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS12	3.0	N	18763491 ↗
4	147m SW	553900 237370	9 PLEASANT VALLEY SAFFRON WALDEN	35.35	N	544563 ↗
5	163m NE	554364 237710	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS4	2.0	N	18763477 ↗
6	165m NE	554353 237822	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS9	2.0	N	18763487 ↗
7	169m NE	554371 237740	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS3	2.0	N	18763476 ↗
8	170m NE	554372 237771	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS11	2.0	N	18763489 ↗
9	174m NE	554341 237860	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS10	2.0	N	18763488 ↗
A	187m E	554388 237700	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN TP1	2.0	N	18763493 ↗
A	194m E	554394 237697	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS2	3.0	N	18763474 ↗
10	204m NE	554392 237830	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS8	2.0	N	18763484 ↗
B	210m NE	554407 237801	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS6	3.0	N	18763481 ↗
B	212m NE	554407 237808	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN TP2	2.0	N	18763495 ↗
A	214m E	554415 237699	BELL LANGUAGE SCHOOL PEASLANDS ROAD SAFFRON WALDEN WS1	2.0	N	18763471 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



— Site Outline
 Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m

2

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

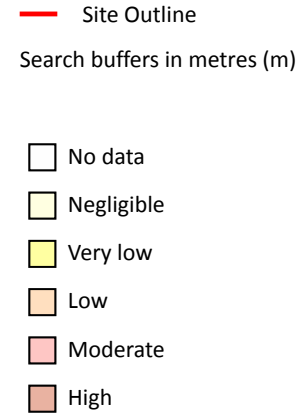
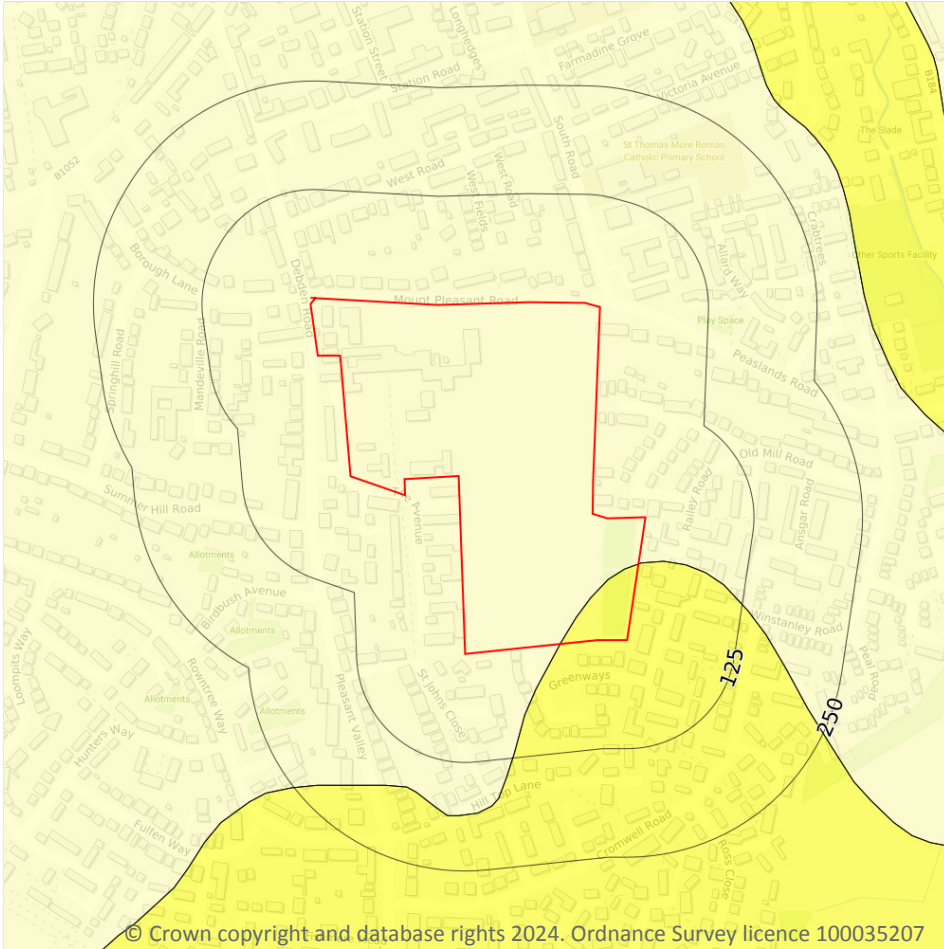
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 101](#) >

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Low	Ground conditions predominantly medium plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 102](#) >

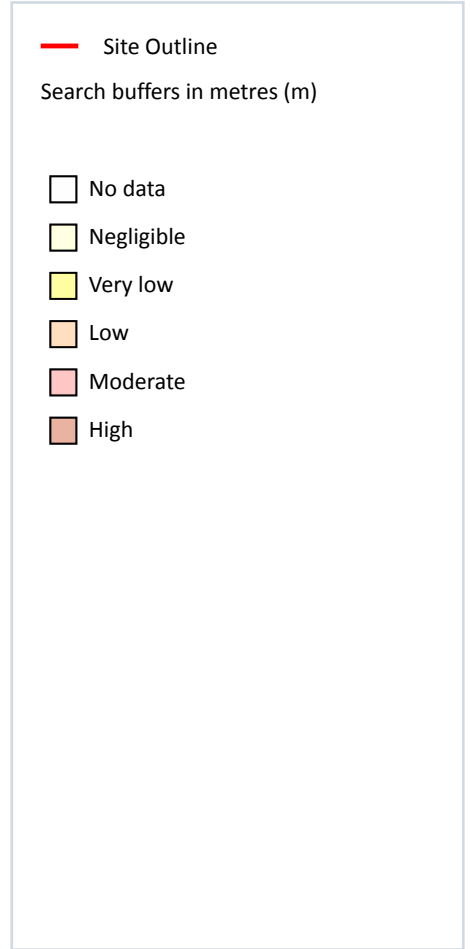
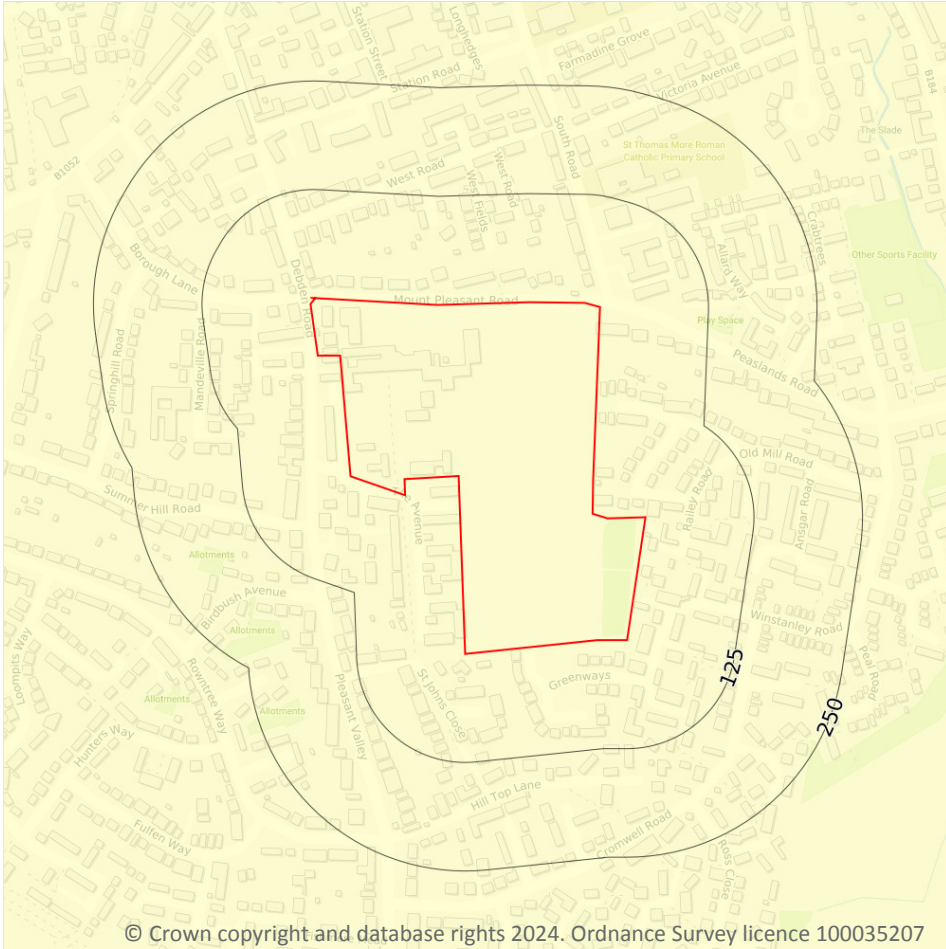
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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.

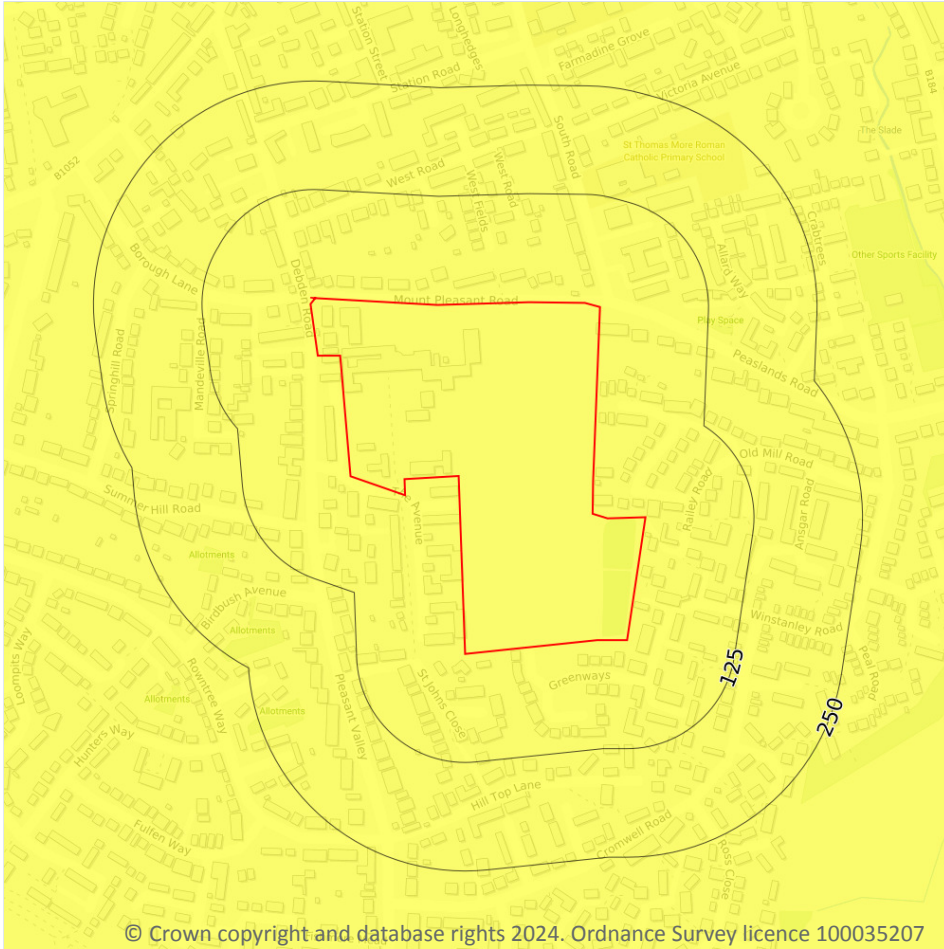
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 104](#) >

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



17.4 Collapsible deposits

Records within 50m

1

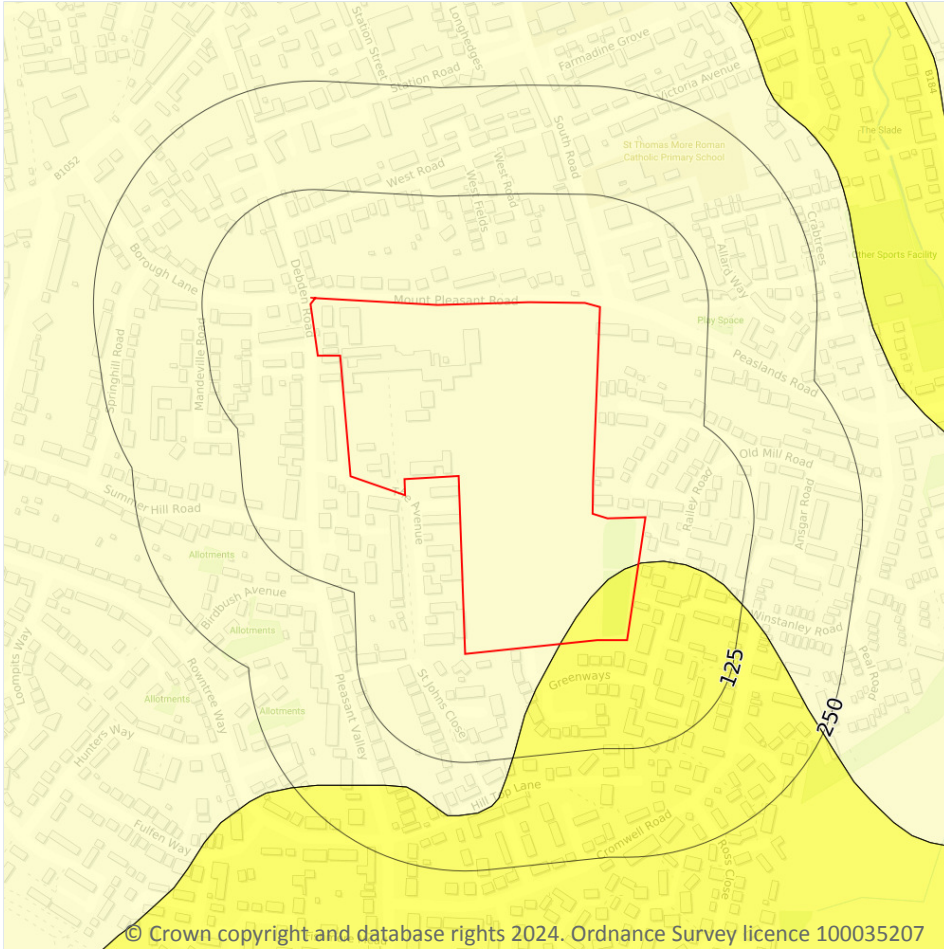
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 105 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
 Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

2

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	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

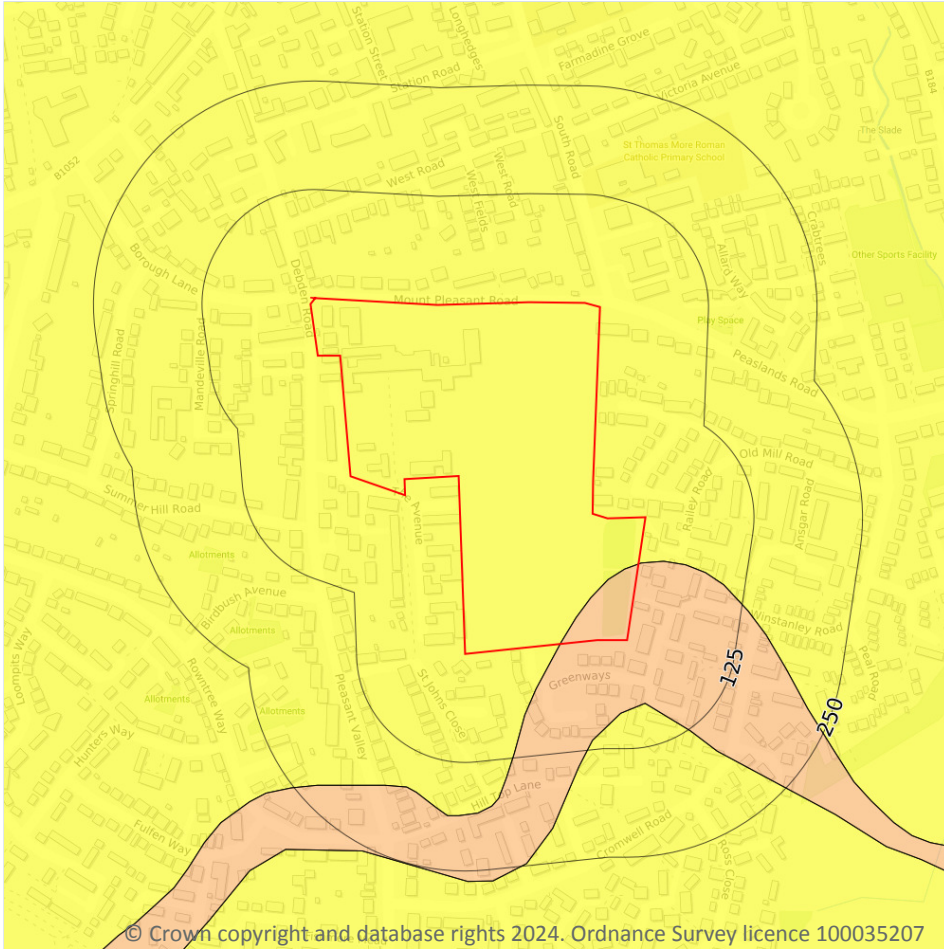


Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



— Site Outline
 Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 108 >](#)

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.

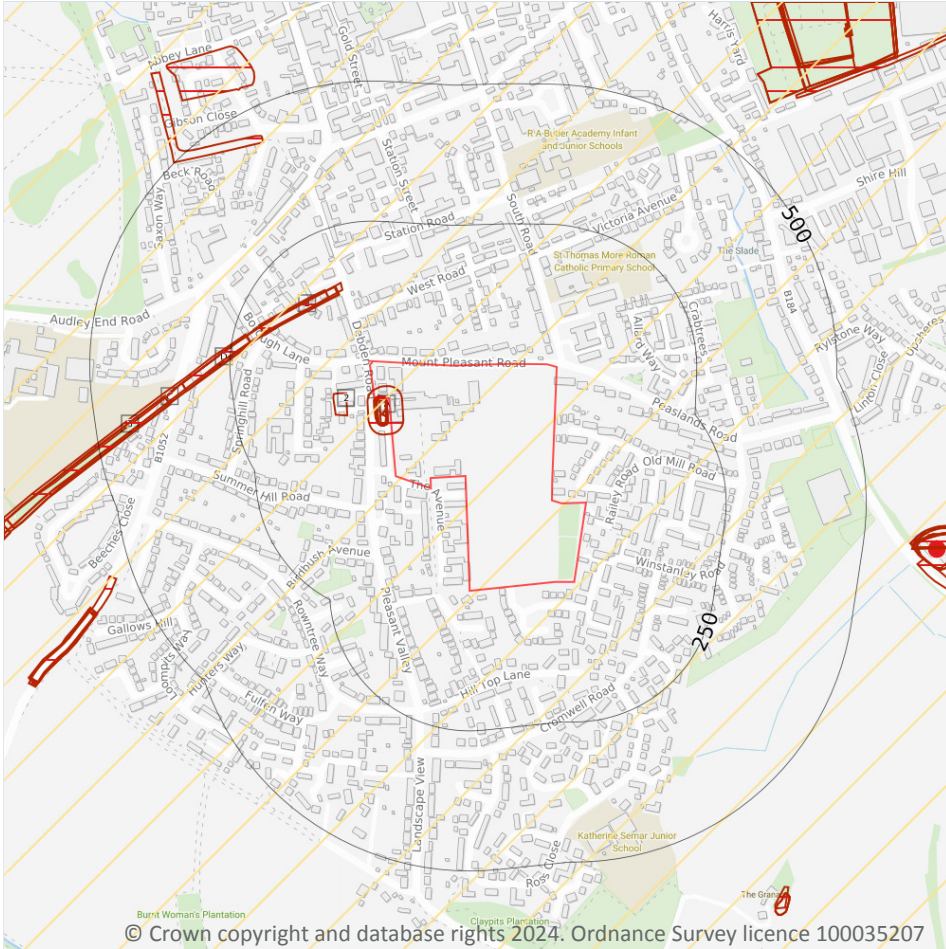


Location	Hazard rating	Details
On site	Low	Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.

This data is sourced from the British Geological Survey.



18 Mining and ground workings



18.1 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

17

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

Features are displayed on the Mining and ground workings map on [page 110 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Unspecified Heap	1952	1:10560
A	On site	Unspecified Heap	1938	1:10560
A	On site	Unspecified Heap	1938	1:10560
A	On site	Reservoir	1896	1:10560
A	On site	Unspecified Heap	1947	1:10560
A	On site	Unspecified Heap	1919	1:10560
A	On site	Reservoir	1898	1:10560
A	4m NW	Reservoir	1877	1:10560
2	49m NW	Reservoir	1938	1:10560
B	133m NW	Cuttings	1947	1:10560
B	133m NW	Cuttings	1919	1:10560
C	134m NW	Cuttings	1938	1:10560
B	136m NW	Cuttings	1952	1:10560
C	137m NW	Cuttings	1877	1:10560
D	215m NW	Cuttings	1947	1:10560
D	215m NW	Cuttings	1919	1:10560
3	218m NW	Cuttings	1952	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.



18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

2

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

Features are displayed on the Mining and ground workings map on [page 110 >](#)

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	745m E	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.



18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.



18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

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

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

18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.



18.16 Clay mining

Records on site

0

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

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



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

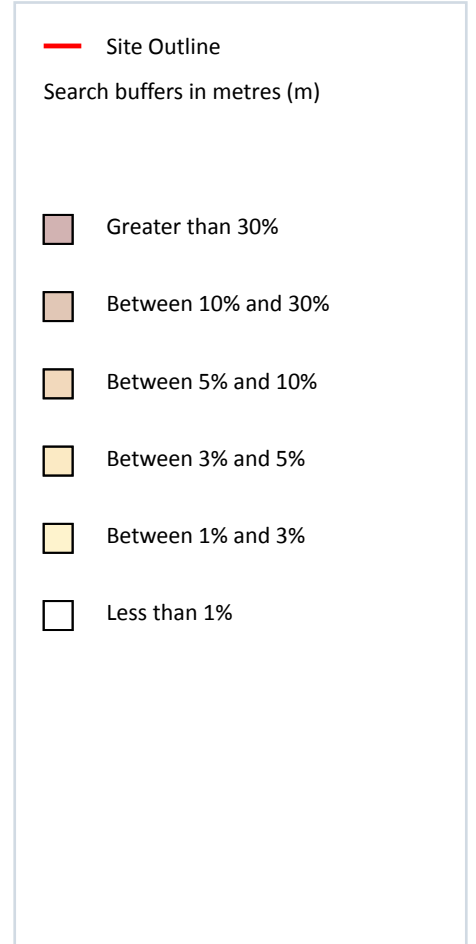
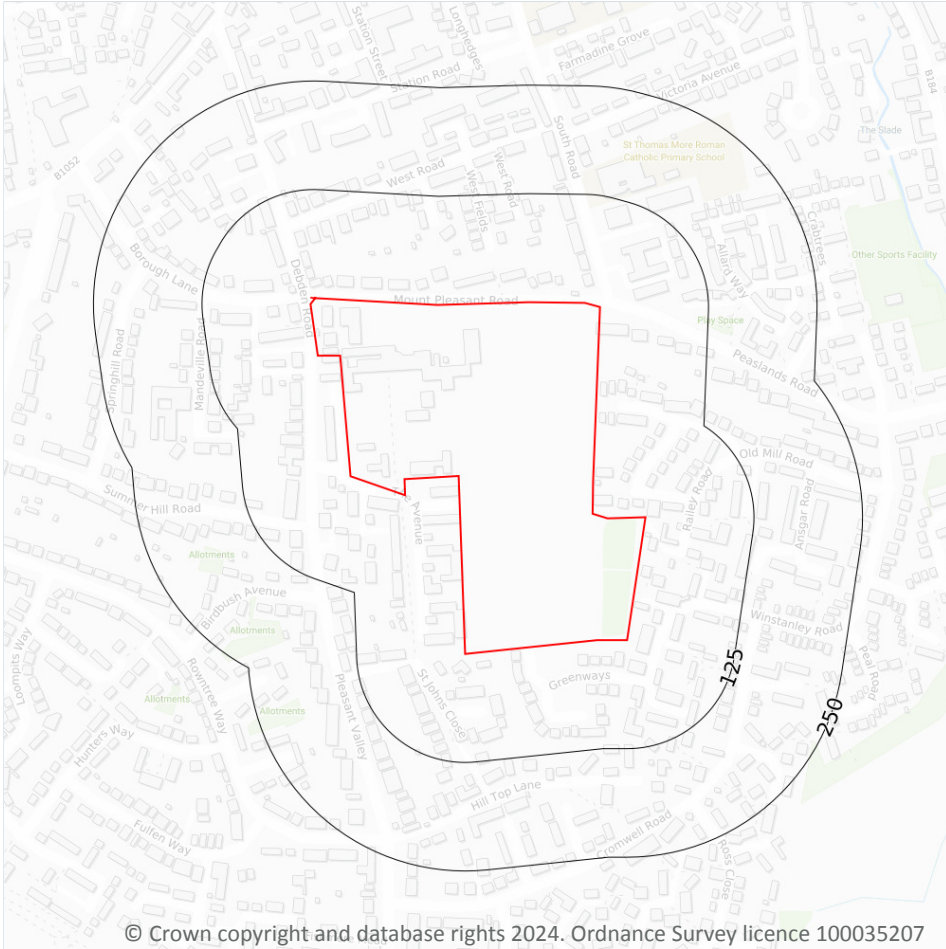
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 118 >](#)

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



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

7

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
37m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
42m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21.3 BGS Measured Urban Soil Chemistry

Records within 50m

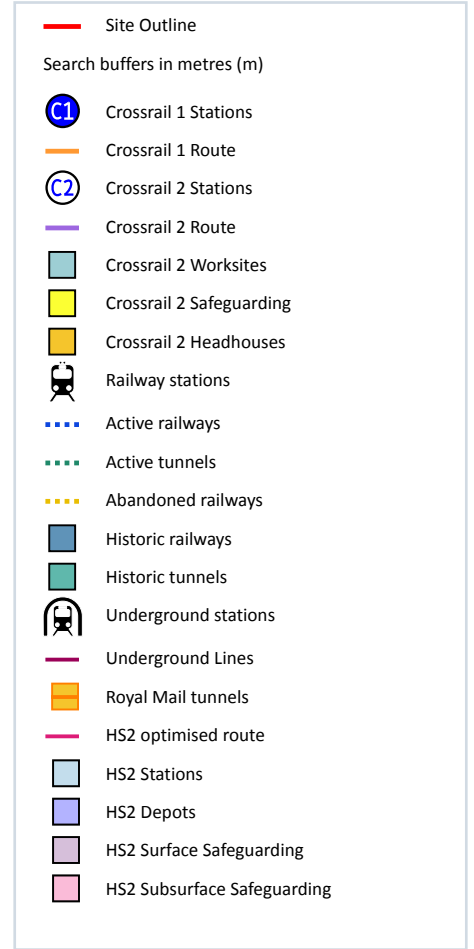
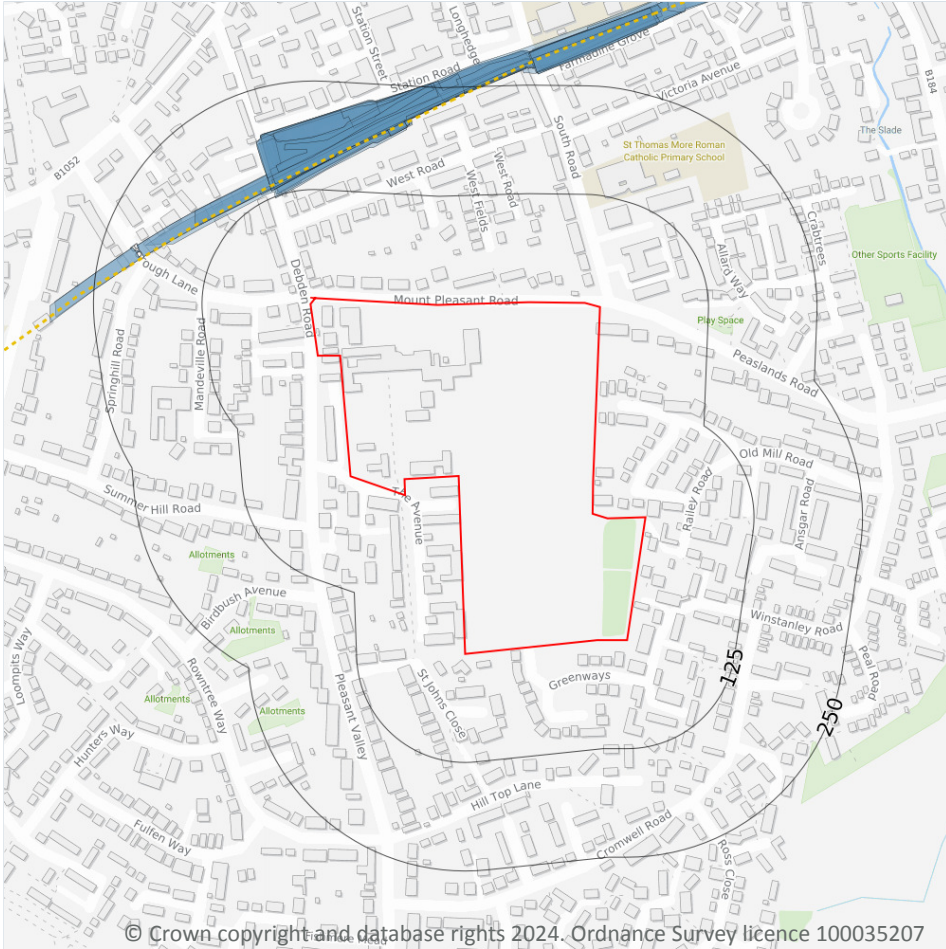
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

14

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

Features are displayed on the Railway infrastructure and projects map on [page 122 >](#)

Location	Land Use	Year of mapping	Mapping scale
123m NW	Railway	1897	-
126m NW	Railway Sidings	1896	10560
127m NW	Railway	1897	-
128m NW	Railway	1877	-
133m NW	Railway Sidings	1947	10560
133m NW	Railway Sidings	1919	10560
133m NW	Railway Sidings	1897	2500
133m NW	Railway Sidings	1898	10560
135m NW	Railway	1921	-
135m NW	Railway Sidings	1938	10560
139m NW	Railway Sidings	1877	10560
140m NW	Railway Sidings	1877	2500
148m NW	Railway Sidings	1952	10560
151m NW	Railway Sidings	1898	10560

This data is sourced from Ordnance Survey/Groundsure.



22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

2

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

Features are displayed on the Railway infrastructure and projects map on [page 122 >](#)

Location	Description
138m NW	Abandoned
235m N	Abandoned

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.



22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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