

83	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
83	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
83	10.15	Nitrate Sensitive Areas	0	0	0	0	0
83	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
84 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	2	-	-	-	-
85	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
86	11.1	World Heritage Sites	0	0	0	-	-
87	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
87	11.3	National Parks	0	0	0	-	-
87 >	11.4 >	<u>Listed Buildings ></u>	3	0	0	-	-
88	11.5	Conservation Areas	0	0	0	-	-
88	11.6	Scheduled Ancient Monuments	0	0	0	-	-
88	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
89 >	12.1 >	<u>Agricultural Land Classification ></u>	Grade 3a (within 250m)				
93 >	12.2 >	<u>Open Access Land ></u>	0	0	8	-	-
94	12.3	Tree Felling Licences	0	0	0	-	-
94 >	12.4 >	<u>Environmental Stewardship Schemes ></u>	1	0	1	-	-
95	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
96 >	13.1 >	<u>Priority Habitat Inventory ></u>	2	2	5	-	-
97	13.2	Habitat Networks	0	0	0	-	-
97	13.3	Open Mosaic Habitat	0	0	0	-	-
97	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
98 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
99	14.2	Artificial and made ground (10k)	0	0	0	0	-
100	14.3	Superficial geology (10k)	0	0	0	0	-



100	14.4	Landslip (10k)	0	0	0	0	-
101	14.5	Bedrock geology (10k)	0	0	0	0	-
101	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
102 >	15.1 >	50k Availability >	Identified (within 500m)				
103	15.2	Artificial and made ground (50k)	0	0	0	0	-
103	15.3	Artificial ground permeability (50k)	0	0	-	-	-
104 >	15.4 >	Superficial geology (50k) >	2	0	0	0	-
105 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
105	15.6	Landslip (50k)	0	0	0	0	-
105	15.7	Landslip permeability (50k)	None (within 50m)				
106 >	15.8 >	Bedrock geology (50k) >	2	0	1	0	-
107 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
107	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
108 >	16.1 >	BGS Boreholes >	1	8	25	-	-
Page	Section	Natural ground subsidence >					
111 >	17.1 >	Shrink swell clays >	Moderate (within 50m)				
113 >	17.2 >	Running sands >	Very low (within 50m)				
115 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
116 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
117 >	17.5 >	Landslides >	Low (within 50m)				
119 >	17.6 >	Ground dissolution of soluble rocks >	High (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
121 >	18.1 >	BritPits >	0	0	1	1	-
122 >	18.2 >	Surface ground workings >	5	7	34	-	-
124	18.3	Underground workings	0	0	0	0	0
124	18.4	Underground mining extents	0	0	0	0	-
124	18.5	Historical Mineral Planning Areas	0	0	0	0	-



125 >	18.6 >	Non-coal mining >	3	0	1	2	2
126	18.7	JPB mining areas	None (within 0m)				
126	18.8	The Coal Authority non-coal mining	0	0	0	0	-
126	18.9	Researched mining	0	0	0	0	-
126	18.10	Mining record office plans	0	0	0	0	-
127	18.11	BGS mine plans	0	0	0	0	-
127	18.12	Coal mining	None (within 0m)				
127	18.13	Brine areas	None (within 0m)				
127	18.14	Gypsum areas	None (within 0m)				
127	18.15	Tin mining	None (within 0m)				
128	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
129 >	19.1 >	Natural cavities >	1	0	0	0	-
130 >	19.2 >	Mining cavities >	0	0	0	0	1
130	19.3	Reported recent incidents	0	0	0	0	-
130	19.4	Historical incidents	0	0	0	0	-
131	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
132 >	20.1 >	Radon >	Between 3% and 5% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
134 >	21.1 >	BGS Estimated Background Soil Chemistry >	60	4	-	-	-
138	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
138	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
139	22.1	Underground railways (London)	0	0	0	-	-
139	22.2	Underground railways (Non-London)	0	0	0	-	-
140	22.3	Railway tunnels	0	0	0	-	-
140 >	22.4 >	Historical railway and tunnel features >	7	0	0	-	-
140	22.5	Royal Mail tunnels	0	0	0	-	-

141 >	22.6 >	Historical railways >	1	0	0	-	-
141	22.7	Railways	0	0	0	-	-
141	22.8	Crossrail 1	0	0	0	0	-
141	22.9	Crossrail 2	0	0	0	0	-
141	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 21/04/2022

Site Area: 150.73ha



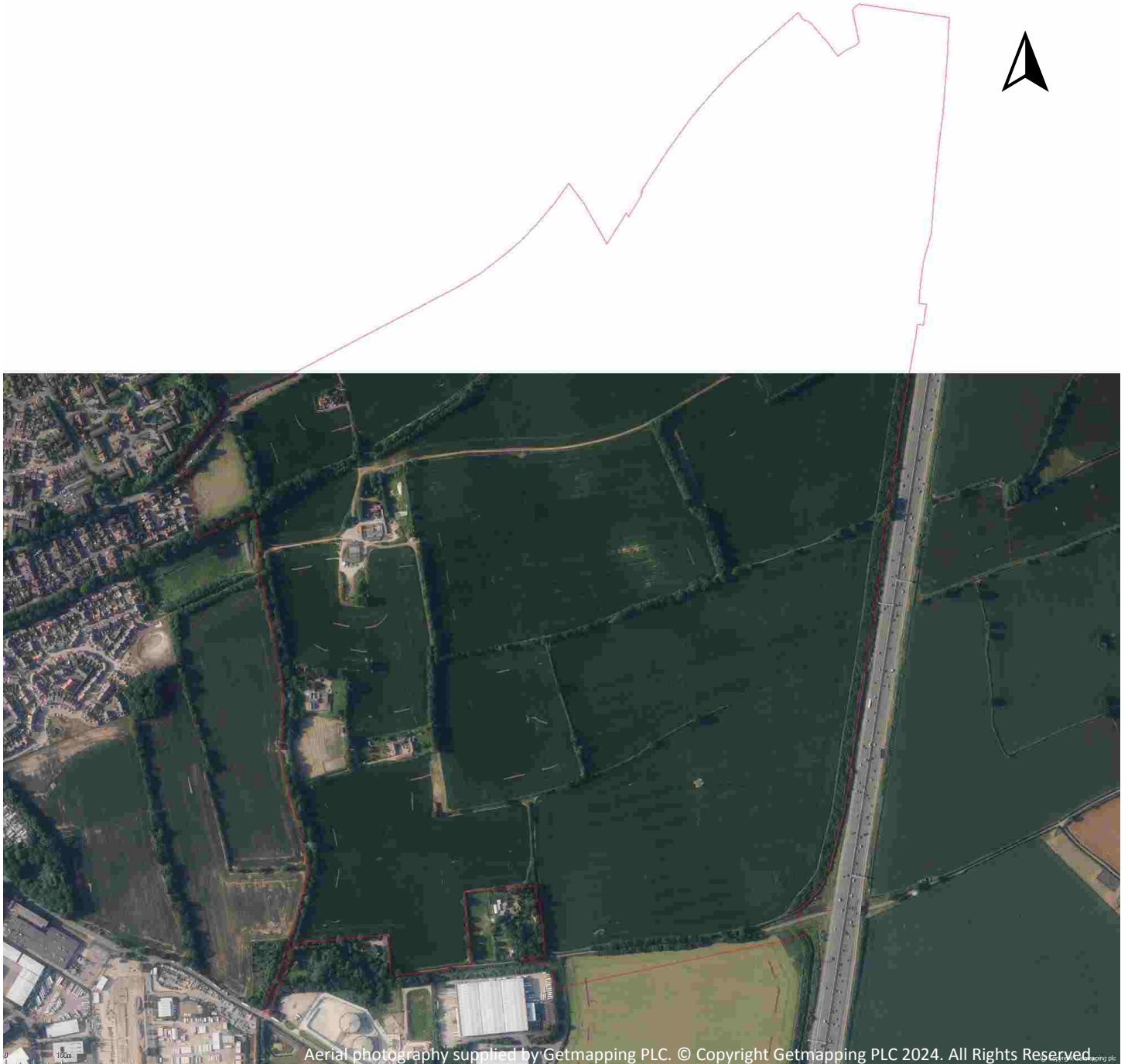
Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 5 March 2024

Recent site history - 2019 aerial photograph



Capture Date: 29/06/2019

Site Area: 150.73ha



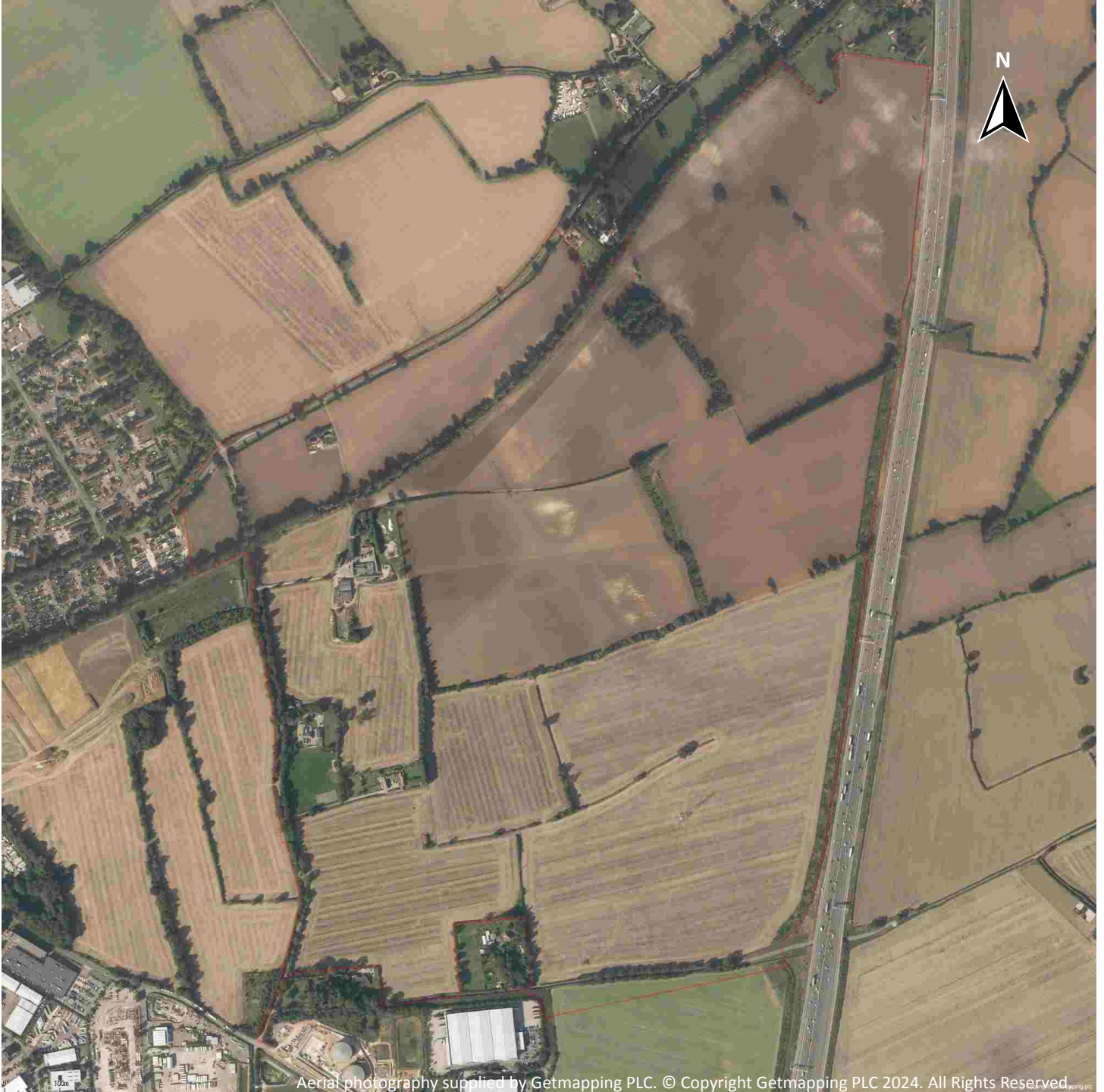
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info@groundsure.com

01273 257 755

Date: 5 March 2024

Recent site history - 2015 aerial photograph



Capture Date: 10/09/2015

Site Area: 150.73ha



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01273 257 755

Date: 5 March 2024

Recent site history - 2000 aerial photograph



Capture Date: 10/06/2000

Site Area: 150.73ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 5 March 2024

Recent site history - 1999 aerial photograph



Capture Date: 27/05/1999

Site Area: 150.73ha



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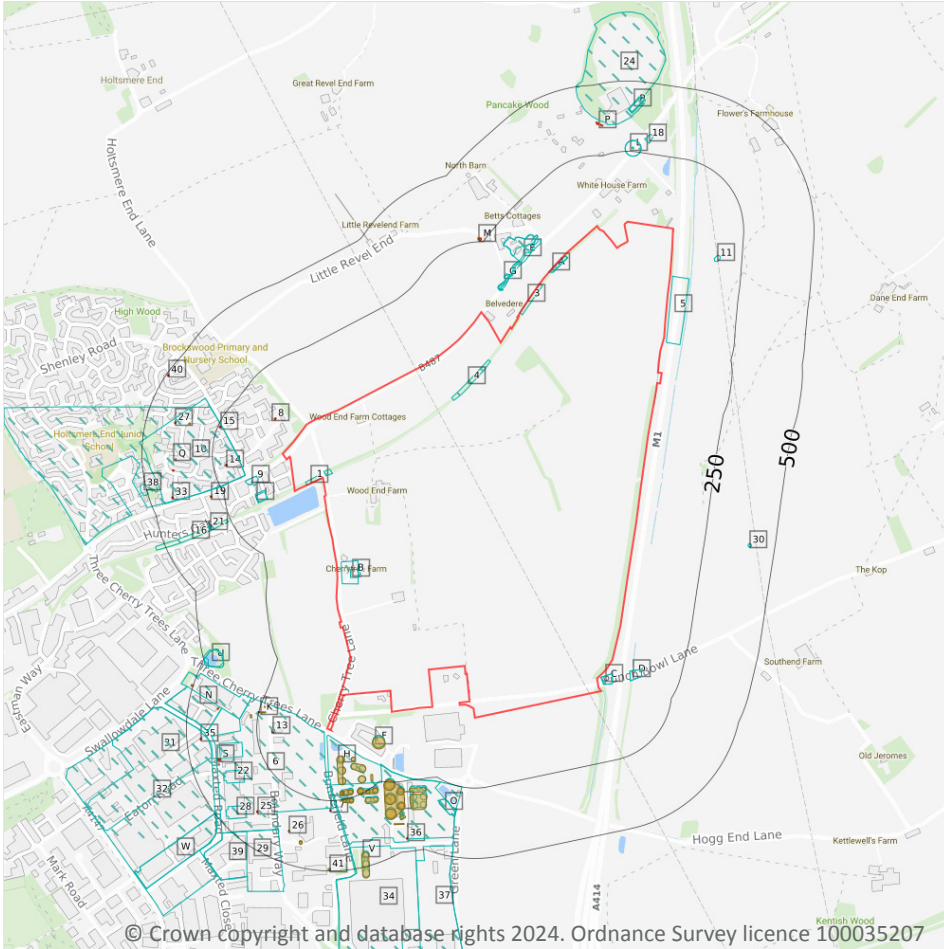
info@groundsure.com

01273 257 755

Date: 5 March 2024



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m **106**

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

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
1	On site	Cuttings	1878	2061226



ID	Location	Land use	Dates present	Group ID
2	On site	Cuttings	1878	2061227
3	On site	Cuttings	1878	2061228
4	On site	Cuttings	1878	2061230
A	On site	Cuttings	1878	2061229
A	On site	Railway Sidings	1960	2108964
A	On site	Railway Sidings	1922	2109886
B	On site	Infectious Diseases Hospital	1938 - 1947	2087656
B	On site	Infectious Diseases Hospital	1923	2120901
C	7m SE	Cuttings	1991 - 1995	2116384
C	7m SE	Cuttings	1979	2120977
5	9m NE	Cuttings	1979	2061234
6	15m SW	Unspecified Commercial/Industrial	1991 - 1995	2080861
7	20m SW	Oil Storage Depot	1991 - 1995	2117679
D	74m SE	Cuttings	1979	2077354
D	74m SE	Cuttings	1991 - 1995	2089330
E	90m N	Unspecified Pit	1960	2040118
E	91m N	Gravel Pit	1897	2055431
F	94m SW	Unspecified Tank	1991 - 1995	2065107
F	94m SW	Unspecified Tank	1979	2107362
G	95m N	Unspecified Ground Workings	1938 - 1947	2100711
E	96m N	Unspecified Ground Workings	1922 - 1946	2121194
G	96m N	Unspecified Pit	1960	2040114
G	98m N	Unspecified Ground Workings	1923	2122393
H	98m SW	Unspecified Tank	1995	2043792
I	99m W	Pump House	1991 - 1995	2107328
I	103m W	Pump House	1979	2111658
E	111m N	Unspecified Pit	1960	2040119
9	119m W	Unspecified Pits	1878	2048587



ID	Location	Land use	Dates present	Group ID
H	123m SW	Unspecified Tank	1995	2043795
H	136m SW	Unspecified Tank	1995	2043793
H	142m SW	Unspecified Tank	1995	2043794
10	151m W	Fireworks Factories	1938	2062999
11	152m NE	Unspecified Heap	1960	2053765
12	152m W	Unspecified Factory	1955	2045921
H	165m SW	Unspecified Tank	1995	2043796
H	173m SW	Unspecified Tank	1995	2043790
J	190m SW	Unspecified Commercial/Industrial	1979	2058213
H	194m SW	Unspecified Tank	1995	2043797
H	216m SW	Unspecified Tanks	1979	2054811
H	217m SW	Unspecified Tank	1991 - 1995	2120860
H	218m SW	Unspecified Tank	1991 - 1995	2076706
H	227m SW	Unspecified Tanks	1979	2054806
H	229m SW	Unspecified Tank	1991 - 1995	2088170
L	234m N	Pump House	1946	2071956
L	234m N	Pump House	1922	2105130
J	237m S	Unspecified Tank	1979	2074862
J	237m S	Unspecified Tank	1991 - 1995	2086757
H	243m SW	Unspecified Tank	1991 - 1995	2093217
H	244m SW	Unspecified Tanks	1979	2054812
H	246m SW	Unspecified Tank	1991 - 1995	2100910
H	249m SW	Unspecified Tank	1991 - 1995	2100509
H	254m SW	Unspecified Tank	1991 - 1995	2087596
L	259m N	Pump House	1938	2114589
16	261m W	Cuttings	1878	2061225
J	268m S	Unspecified Tank	1991 - 1995	2074698
J	268m S	Unspecified Tank	1979	2084732



ID	Location	Land use	Dates present	Group ID
H	269m SW	Unspecified Tanks	1979	2054810
H	270m SW	Unspecified Tank	1991 - 1995	2102726
J	271m S	Unspecified Tank	1991 - 1995	2109613
J	272m S	Unspecified Tanks	1979	2054809
J	274m S	Unspecified Tank	1991 - 1995	2114292
J	275m S	Unspecified Tank	1991 - 1995	2089458
H	282m S	Unspecified Tank	1991 - 1995	2104027
18	286m NE	Gravel Pit	1878	2055430
J	288m S	Unspecified Tank	1979	2108927
J	288m S	Unspecified Tank	1991 - 1995	2115650
N	290m SW	Unspecified Commercial/Industrial	1991 - 1995	2103020
J	299m S	Unspecified Tank	1991 - 1995	2091247
J	300m S	Unspecified Tank	1991 - 1995	2076374
20	306m SW	Unspecified Factories	1979	2062837
O	309m S	Unspecified Heap	1979	2087753
O	309m S	Unspecified Heap	1991 - 1995	2115851
J	322m S	Unspecified Tank	1991 - 1995	2101205
J	322m S	Unspecified Tank	1979	2108067
21	324m W	Railway Building	1938 - 1955	2100137
J	329m S	Unspecified Tank	1991 - 1995	2122475
J	330m S	Unspecified Tank	1991 - 1995	2094632
22	330m SW	Engineering Works	1979	2059800
J	340m S	Unspecified Tank	1991 - 1995	2086532
J	340m S	Unspecified Tank	1979	2120008
24	348m N	Unspecified Ground Workings	1878	2097054
J	358m S	Unspecified Tanks	1979	2054814
J	360m S	Unspecified Tank	1991 - 1995	2106361
J	372m S	Unspecified Tank	1991 - 1995	2120818



ID	Location	Land use	Dates present	Group ID
N	381m SW	Engineering Works	1979	2059801
R	386m N	Unspecified Pit	1938	2040117
R	389m N	Unspecified Ground Workings	1946	2111746
R	389m N	Unspecified Ground Workings	1897 - 1922	2121059
28	398m SW	Engineering Works	1979	2059799
29	399m SW	Unspecified Commercial/Industrial	1991 - 1995	2067509
30	405m E	Unspecified Tank	1955	2043983
31	415m SW	Engineering Works	1979	2096863
32	418m SW	Industrial Estate	1991 - 1995	2079167
34	422m SW	Oil Storage Depots	1979	2058515
U	427m SW	Unspecified Pit	1878	2101170
U	427m SW	Unspecified Pit	1897 - 1923	2107017
U	429m SW	Unspecified Pit	1991 - 1995	2082355
V	446m S	Unspecified Tank	1991 - 1995	2106226
V	447m S	Unspecified Tanks	1979	2054813
37	462m S	Unspecified Commercial/Industrial	1979	2058209
38	462m W	Unspecified Pit	1878	2040113
39	463m SW	Unspecified Depot	1979	2047810
V	480m S	Unspecified Tank	1991 - 1995	2109705
W	494m SW	Unspecified Works	1979	2084139
W	494m SW	Unspecified Commercial/Industrial	1991	2089412

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

49

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



Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
H	96m SW	Tanks	1993	356901
F	98m SW	Unspecified Tank	1999	342333
H	102m SW	Tanks	1999	349692
H	123m SW	Tanks	1999	347804
H	136m SW	Tanks	1999	347803
H	141m SW	Tanks	1999	347805
H	172m SW	Tanks	1999	354228
H	193m SW	Tanks	1999	347806
H	212m SW	Tanks	1999	347807
H	219m SW	Unspecified Tank	1982 - 1987	356150
H	220m SW	Unspecified Tank	1969	351403
H	221m SW	Unspecified Tank	1993	352824
H	221m SW	Tanks	1974	357923
H	221m SW	Tanks	1999	350035
H	223m SW	Tanks	1999	353899
K	226m SW	Tanks	1993	349634
K	227m SW	Unspecified Tank	1982 - 1987	358136
H	231m SW	Tanks	1999	350014
H	231m SW	Tanks	1974	353386
K	233m SW	Tanks	1982 - 1987	353492
K	234m SW	Unspecified Tank	1993	356895
K	234m SW	Unspecified Tank	1987	353877
K	234m SW	Unspecified Tank	1982	354215
J	242m S	Tanks	1974	357931
J	243m S	Tanks	1999	349741
H	249m SW	Tanks	1999	353795
H	249m SW	Tanks	1974	355570



ID	Location	Land use	Dates present	Group ID
H	249m SW	Tanks	1999	357017
H	254m SW	Tanks	1999	351894
H	257m SW	Tanks	1999	351673
K	270m SW	Tanks	1982 - 1993	354049
H	273m SW	Tanks	1974 - 1999	353078
J	274m S	Tanks	1999	349752
J	278m S	Tanks	1974 - 1999	349540
J	293m S	Tanks	1999	352109
J	301m S	Tanks	1974 - 1999	356614
J	325m S	Tanks	1999	358709
23	345m W	Unspecified Tank	1974	343157
J	345m S	Tanks	1999	356966
J	366m S	Tanks	1974 - 1999	349548
Q	378m W	Unspecified Tank	1974	343158
26	385m SW	Unspecified Tank	1999	342332
N	391m SW	Unspecified Tank	1969 - 1993	358589
J	398m S	Tanks	1974 - 1999	354167
T	407m SW	Unspecified Tank	1999	355486
T	407m SW	Unspecified Tank	1993 - 1996	353499
V	450m S	Tanks	1974 - 1996	356565
41	491m SW	Unspecified Tank	1995 - 1999	357522
42	499m SW	Tanks	1982 - 1993	355458

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

20

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or



succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
8	98m W	Electricity Substation	1981 - 1996	236176
13	187m SW	Electricity Substation	1987 - 1993	232850
14	201m W	Electricity Substation	1981 - 1996	231694
15	237m W	Electricity Substation	1981 - 1996	237506
K	246m SW	Electricity Substation	1982 - 1993	231141
M	255m N	Electricity Substation	1974 - 1983	238737
M	257m N	Electricity Substation	1993	224363
17	282m SW	Electricity Substation	1993	224360
19	294m W	Electricity Substation	1986 - 1996	229896
P	351m N	Electricity Substation	1993	224364
P	360m N	Electricity Substation	1970 - 1986	240156
25	382m SW	Electricity Substation	1987 - 1993	230678
Q	390m W	Electricity Substation	1986 - 1993	238984
S	393m SW	Electricity Substation	1969 - 1987	235263
S	393m SW	Electricity Substation	1993	234638
27	395m W	Electricity Substation	1986 - 1993	236596
33	418m W	Electricity Substation	1974	224362
35	446m SW	Electricity Substation	1993 - 1999	236068
36	451m S	Electricity Substation	1996	224359
40	490m W	Electricity Substation	1982 - 1993	238151

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

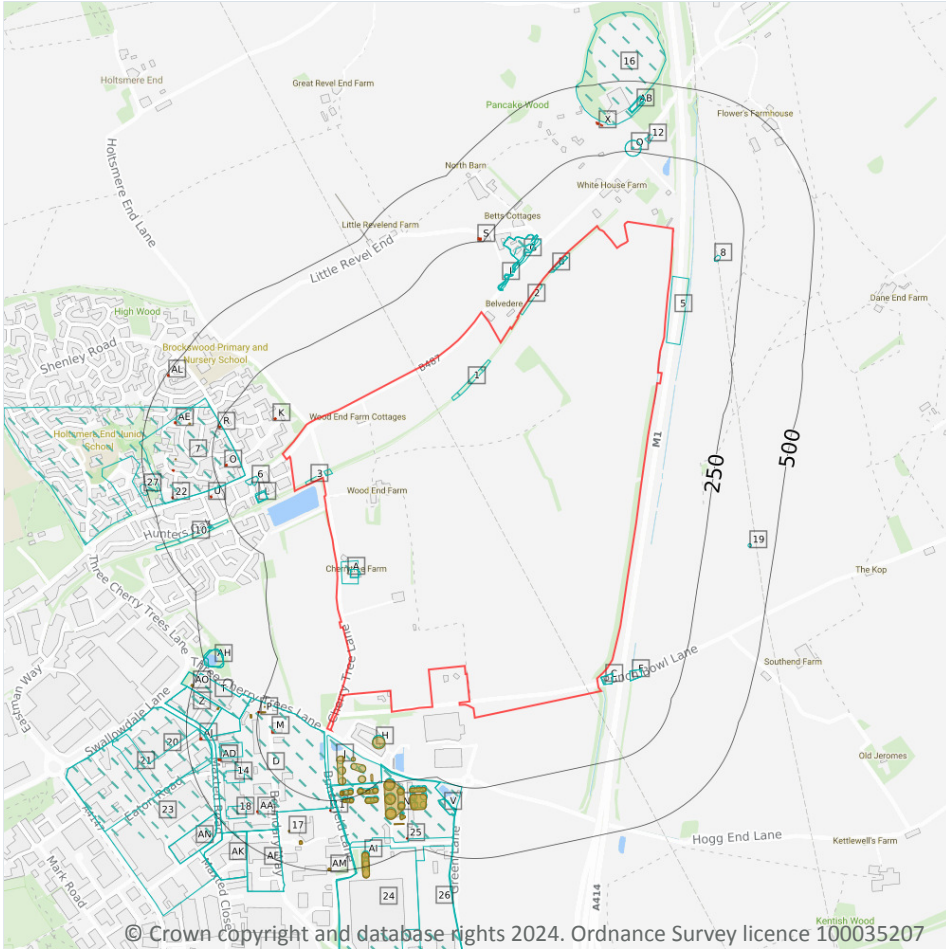
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m **154**

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

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

ID	Location	Land Use	Date	Group ID
1	On site	Cuttings	1878	2061230
2	On site	Cuttings	1878	2061228
3	On site	Cuttings	1878	2061226



ID	Location	Land Use	Date	Group ID
4	On site	Cuttings	1878	2061227
A	On site	Infectious Diseases Hospital	1923	2120901
A	On site	Infectious Diseases Hospital	1947	2087656
A	On site	Infectious Diseases Hospital	1938	2087656
B	On site	Cuttings	1878	2061229
B	On site	Railway Sidings	1960	2108964
B	On site	Railway Sidings	1922	2109886
C	7m SE	Cuttings	1995	2116384
C	7m SE	Cuttings	1991	2116384
C	7m SE	Cuttings	1979	2120977
5	9m NE	Cuttings	1979	2061234
D	15m SW	Unspecified Commercial/Industrial	1995	2080861
D	15m SW	Unspecified Commercial/Industrial	1991	2080861
E	20m SW	Oil Storage Depot	1995	2117679
F	74m SE	Cuttings	1995	2089330
F	74m SE	Cuttings	1991	2089330
F	74m SE	Cuttings	1979	2077354
G	90m N	Unspecified Pit	1960	2040118
G	91m N	Gravel Pit	1897	2055431
H	94m SW	Unspecified Tank	1979	2107362
H	94m SW	Unspecified Tank	1995	2065107
H	94m SW	Unspecified Tank	1991	2065107
I	95m N	Unspecified Ground Workings	1947	2100711
I	95m N	Unspecified Ground Workings	1938	2100711
G	96m N	Unspecified Ground Workings	1946	2121194
G	96m N	Unspecified Ground Workings	1938	2121194
G	96m N	Unspecified Ground Workings	1922	2121194
I	96m N	Unspecified Pit	1960	2040114



ID	Location	Land Use	Date	Group ID
I	98m N	Unspecified Ground Workings	1923	2122393
J	98m SW	Unspecified Tank	1995	2043792
L	99m W	Pump House	1995	2107328
L	99m W	Pump House	1991	2107328
L	103m W	Pump House	1979	2111658
G	111m N	Unspecified Pit	1960	2040119
6	119m W	Unspecified Pits	1878	2048587
J	123m SW	Unspecified Tank	1995	2043795
J	136m SW	Unspecified Tank	1995	2043793
J	142m SW	Unspecified Tank	1995	2043794
7	151m W	Fireworks Factories	1938	2062999
8	152m NE	Unspecified Heap	1960	2053765
9	152m W	Unspecified Factory	1955	2045921
J	165m SW	Unspecified Tank	1995	2043796
J	173m SW	Unspecified Tank	1995	2043790
N	190m SW	Unspecified Commercial/Industrial	1979	2058213
E	193m SW	Oil Storage Depot	1991	2117679
J	194m SW	Unspecified Tank	1995	2043797
J	216m SW	Unspecified Tanks	1979	2054811
J	217m SW	Unspecified Tank	1995	2120860
J	217m SW	Unspecified Tank	1991	2120860
J	218m SW	Unspecified Tank	1995	2076706
J	218m SW	Unspecified Tank	1991	2076706
J	227m SW	Unspecified Tanks	1979	2054806
J	229m SW	Unspecified Tank	1995	2088170
J	229m SW	Unspecified Tank	1991	2088170
Q	234m N	Pump House	1922	2105130
Q	234m N	Pump House	1946	2071956



ID	Location	Land Use	Date	Group ID
N	237m S	Unspecified Tank	1979	2074862
N	237m S	Unspecified Tank	1995	2086757
N	237m S	Unspecified Tank	1991	2086757
J	243m SW	Unspecified Tank	1995	2093217
J	243m SW	Unspecified Tank	1991	2093217
J	244m SW	Unspecified Tanks	1979	2054812
J	246m SW	Unspecified Tank	1995	2100910
J	246m SW	Unspecified Tank	1991	2100910
J	249m SW	Unspecified Tank	1995	2100509
J	249m SW	Unspecified Tank	1991	2100509
J	254m SW	Unspecified Tank	1995	2087596
J	254m SW	Unspecified Tank	1991	2087596
Q	259m N	Pump House	1938	2114589
10	261m W	Cuttings	1878	2061225
N	268m S	Unspecified Tank	1979	2084732
N	268m S	Unspecified Tank	1995	2074698
N	268m S	Unspecified Tank	1991	2074698
J	269m SW	Unspecified Tanks	1979	2054810
J	270m SW	Unspecified Tank	1995	2102726
J	270m SW	Unspecified Tank	1991	2102726
N	271m S	Unspecified Tank	1995	2109613
N	271m S	Unspecified Tank	1991	2109613
N	272m S	Unspecified Tanks	1979	2054809
N	274m S	Unspecified Tank	1995	2114292
N	274m S	Unspecified Tank	1991	2114292
N	275m S	Unspecified Tank	1995	2089458
N	275m S	Unspecified Tank	1991	2089458
J	282m S	Unspecified Tank	1995	2104027



ID	Location	Land Use	Date	Group ID
J	282m S	Unspecified Tank	1991	2104027
12	286m NE	Gravel Pit	1878	2055430
N	288m S	Unspecified Tank	1979	2108927
N	288m S	Unspecified Tank	1995	2115650
N	288m S	Unspecified Tank	1991	2115650
T	290m SW	Unspecified Commercial/Industrial	1995	2103020
T	290m SW	Unspecified Commercial/Industrial	1991	2103020
N	299m S	Unspecified Tank	1995	2091247
N	299m S	Unspecified Tank	1991	2091247
N	300m S	Unspecified Tank	1995	2076374
N	300m S	Unspecified Tank	1991	2076374
13	306m SW	Unspecified Factories	1979	2062837
V	309m S	Unspecified Heap	1979	2087753
V	309m S	Unspecified Heap	1995	2115851
V	309m S	Unspecified Heap	1991	2115851
N	322m S	Unspecified Tank	1979	2108067
N	322m S	Unspecified Tank	1995	2101205
N	322m S	Unspecified Tank	1991	2101205
W	324m W	Railway Building	1947	2100137
W	324m W	Railway Building	1938	2100137
W	325m W	Railway Building	1955	2100137
N	329m S	Unspecified Tank	1995	2122475
N	329m S	Unspecified Tank	1991	2122475
N	330m S	Unspecified Tank	1995	2094632
N	330m S	Unspecified Tank	1991	2094632
14	330m SW	Engineering Works	1979	2059800
N	340m S	Unspecified Tank	1979	2120008
N	340m S	Unspecified Tank	1995	2086532



ID	Location	Land Use	Date	Group ID
N	340m S	Unspecified Tank	1991	2086532
16	348m N	Unspecified Ground Workings	1878	2097054
N	358m S	Unspecified Tanks	1979	2054814
N	360m S	Unspecified Tank	1995	2106361
N	360m S	Unspecified Tank	1991	2106361
N	372m S	Unspecified Tank	1995	2120818
N	372m S	Unspecified Tank	1991	2120818
Z	381m SW	Engineering Works	1979	2059801
Z	381m SW	Unspecified Commercial/Industrial	1995	2103020
Z	381m SW	Unspecified Commercial/Industrial	1991	2103020
AB	386m N	Unspecified Pit	1938	2040117
AB	389m N	Unspecified Ground Workings	1946	2111746
AB	389m N	Unspecified Ground Workings	1897	2121059
AB	389m N	Unspecified Ground Workings	1922	2121059
18	398m SW	Engineering Works	1979	2059799
AF	399m SW	Unspecified Commercial/Industrial	1995	2067509
AF	399m SW	Unspecified Commercial/Industrial	1991	2067509
19	405m E	Unspecified Tank	1955	2043983
20	415m SW	Engineering Works	1979	2096863
21	418m SW	Industrial Estate	1991	2079167
23	419m SW	Industrial Estate	1995	2079167
24	422m SW	Oil Storage Depots	1979	2058515
AH	427m SW	Unspecified Pit	1923	2107017
AH	427m SW	Unspecified Pit	1897	2107017
AH	427m SW	Unspecified Pit	1878	2101170
AH	429m SW	Unspecified Pit	1995	2082355
AH	429m SW	Unspecified Pit	1991	2082355
AI	446m S	Unspecified Tank	1995	2106226



ID	Location	Land Use	Date	Group ID
AI	446m S	Unspecified Tank	1991	2106226
AI	447m S	Unspecified Tanks	1979	2054813
26	462m S	Unspecified Commercial/Industrial	1979	2058209
27	462m W	Unspecified Pit	1878	2040113
AK	463m SW	Unspecified Depot	1979	2047810
AK	463m SW	Unspecified Commercial/Industrial	1995	2067509
AK	463m SW	Unspecified Commercial/Industrial	1991	2067509
AI	480m S	Unspecified Tank	1995	2109705
AI	480m S	Unspecified Tank	1991	2109705
AN	494m SW	Unspecified Works	1979	2084139
AN	494m SW	Unspecified Commercial/Industrial	1991	2089412

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

70

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

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

ID	Location	Land Use	Date	Group ID
J	96m SW	Tanks	1993	356901
H	98m SW	Unspecified Tank	1999	342333
J	102m SW	Tanks	1999	349692
J	123m SW	Tanks	1999	347804
J	136m SW	Tanks	1999	347803
J	141m SW	Tanks	1999	347805
J	172m SW	Tanks	1999	354228
J	193m SW	Tanks	1999	347806
J	212m SW	Tanks	1999	347807



ID	Location	Land Use	Date	Group ID
J	219m SW	Unspecified Tank	1982	356150
J	219m SW	Unspecified Tank	1987	356150
J	220m SW	Unspecified Tank	1969	351403
J	221m SW	Unspecified Tank	1993	352824
J	221m SW	Tanks	1974	357923
J	221m SW	Tanks	1999	350035
J	223m SW	Tanks	1999	353899
P	226m SW	Tanks	1993	349634
P	227m SW	Unspecified Tank	1982	358136
P	227m SW	Unspecified Tank	1987	358136
J	231m SW	Tanks	1999	350014
J	231m SW	Tanks	1974	353386
P	233m SW	Tanks	1982	353492
P	233m SW	Tanks	1987	353492
P	234m SW	Unspecified Tank	1993	356895
P	234m SW	Unspecified Tank	1982	354215
P	234m SW	Unspecified Tank	1987	353877
N	242m S	Tanks	1974	357931
N	243m S	Tanks	1999	349741
J	249m SW	Tanks	1999	353795
J	249m SW	Tanks	1974	355570
J	249m SW	Tanks	1999	357017
J	254m SW	Tanks	1999	351894
J	257m SW	Tanks	1999	351673
P	270m SW	Tanks	1993	354049
P	271m SW	Tanks	1982	354049
P	271m SW	Tanks	1987	354049
J	273m SW	Tanks	1999	353078



ID	Location	Land Use	Date	Group ID
J	273m SW	Tanks	1974	353078
N	274m S	Tanks	1999	349752
N	278m S	Tanks	1999	349540
N	278m S	Tanks	1974	349540
N	293m S	Tanks	1999	352109
N	301m S	Tanks	1999	356614
N	302m S	Tanks	1974	356614
N	325m S	Tanks	1999	358709
15	345m W	Unspecified Tank	1974	343157
N	345m S	Tanks	1999	356966
N	366m S	Tanks	1974	349548
N	366m S	Tanks	1999	349548
Y	378m W	Unspecified Tank	1974	343158
17	385m SW	Unspecified Tank	1999	342332
AC	391m SW	Unspecified Tank	1969	358589
AC	391m SW	Unspecified Tank	1993	358589
AC	392m SW	Unspecified Tank	1982	358589
AC	392m SW	Unspecified Tank	1987	358589
N	398m S	Tanks	1974	354167
N	399m S	Tanks	1999	354167
AG	407m SW	Unspecified Tank	1999	355486
AG	407m SW	Unspecified Tank	1993	353499
AG	407m SW	Unspecified Tank	1996	353499
AG	407m SW	Unspecified Tank	1995	353499
AG	407m SW	Unspecified Tank	1995	353499
AI	450m S	Tanks	1974	356565
AI	451m S	Tanks	1996	356565
AM	491m SW	Unspecified Tank	1996	357522



ID	Location	Land Use	Date	Group ID
AM	491m SW	Unspecified Tank	1995	357522
AM	491m SW	Unspecified Tank	1999	357522
AM	491m SW	Unspecified Tank	1995	357522
AO	499m SW	Tanks	1982	355458
AO	499m SW	Tanks	1993	355458

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

44

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

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

ID	Location	Land Use	Date	Group ID
K	98m W	Electricity Substation	1986	236176
K	99m W	Electricity Substation	1981	236176
K	100m W	Electricity Substation	1996	236176
M	187m SW	Electricity Substation	1993	232850
M	189m SW	Electricity Substation	1987	232850
O	201m W	Electricity Substation	1986	231694
O	201m W	Electricity Substation	1996	231694
O	202m W	Electricity Substation	1981	231694
R	237m W	Electricity Substation	1986	237506
R	238m W	Electricity Substation	1981	237506
R	239m W	Electricity Substation	1996	237506
P	246m SW	Electricity Substation	1993	231141
P	247m SW	Electricity Substation	1982	231141
P	247m SW	Electricity Substation	1987	231141
S	255m N	Electricity Substation	1983	238737



ID	Location	Land Use	Date	Group ID
S	257m N	Electricity Substation	1974	238737
S	257m N	Electricity Substation	1993	224363
11	282m SW	Electricity Substation	1993	224360
U	294m W	Electricity Substation	1986	229896
U	294m W	Electricity Substation	1996	229896
X	351m N	Electricity Substation	1993	224364
X	360m N	Electricity Substation	1970	240156
X	362m N	Electricity Substation	1986	240156
AA	382m SW	Electricity Substation	1987	230678
AA	383m SW	Electricity Substation	1993	230678
Y	390m W	Electricity Substation	1986	238984
Y	391m W	Electricity Substation	1993	238984
Y	391m W	Electricity Substation	1993	238984
AD	393m SW	Electricity Substation	1969	235263
AD	393m SW	Electricity Substation	1993	234638
AD	393m SW	Electricity Substation	1982	235263
AD	393m SW	Electricity Substation	1987	235263
AE	395m W	Electricity Substation	1986	236596
AE	395m W	Electricity Substation	1993	236596
AE	395m W	Electricity Substation	1993	236596
22	418m W	Electricity Substation	1974	224362
AJ	446m SW	Electricity Substation	1993	236068
AJ	446m SW	Electricity Substation	1996	236068
AJ	446m SW	Electricity Substation	1994	236068
AJ	446m SW	Electricity Substation	1999	236068
25	451m S	Electricity Substation	1996	224359
AL	490m W	Electricity Substation	1982	238151
AL	490m W	Electricity Substation	1983	238151



ID	Location	Land Use	Date	Group ID
AL	490m W	Electricity Substation	1993	238151

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

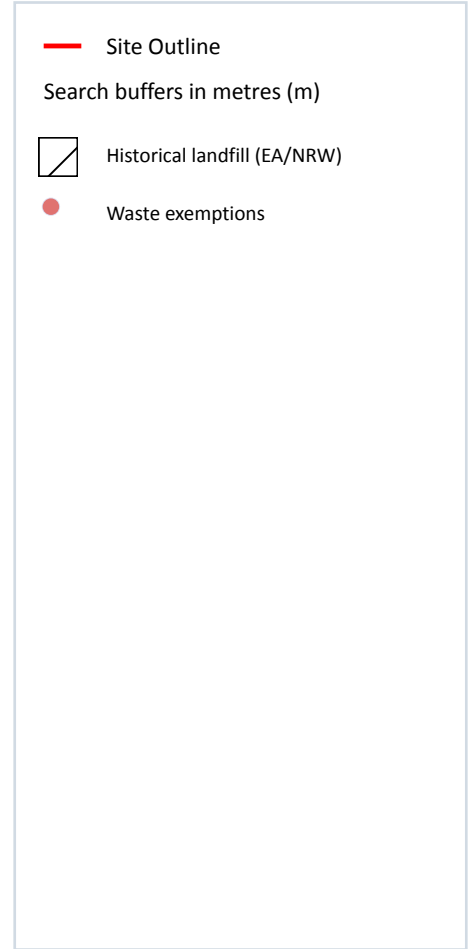
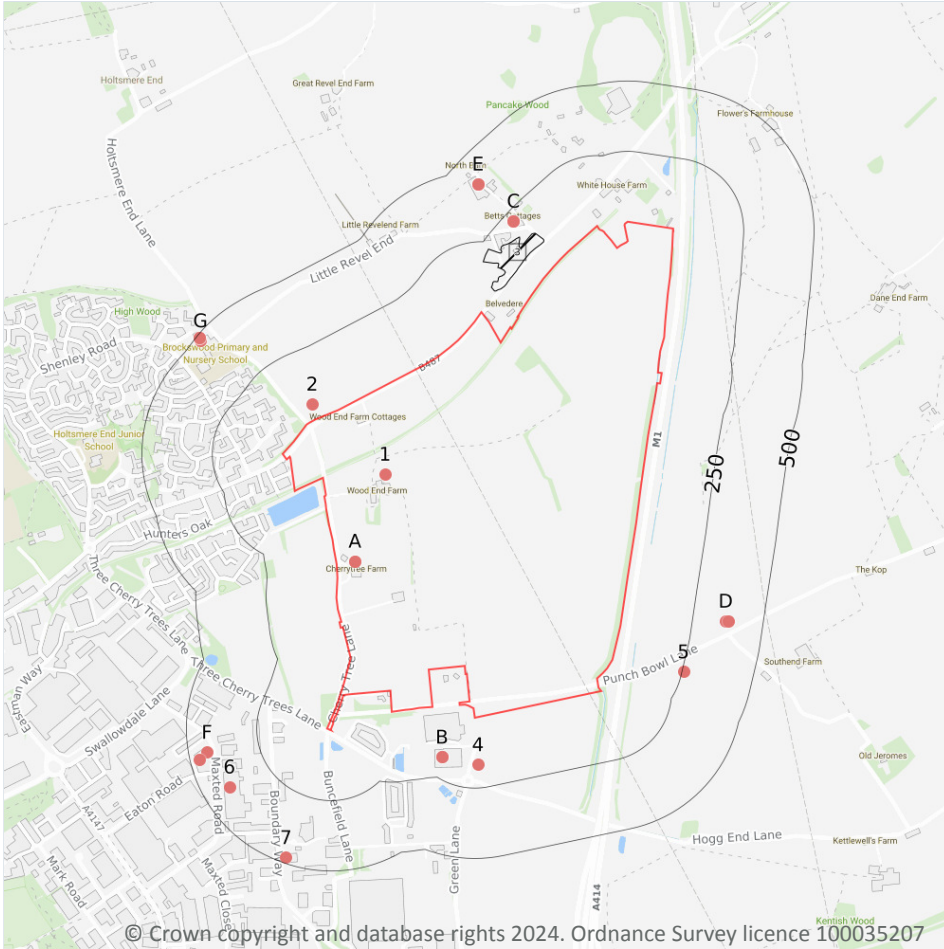
0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on [page 35 >](#)

ID	Location	Details		
3	85m N	Site Address: Tullochside, Hertfordshire Licence Holder Address: -	Waste Licence: - Site Reference: HCC114 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: R Tulloch First Recorded 10/08/1962 Last Recorded: 18/12/1963

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
36

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

Features are displayed on the Waste and landfill map on [page 35 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	On site	WOODEND FARM, CHERRY TREE LANE, HEMEL HEMPSTEAD, HP2 7HS	WEX360035	Storing waste exemption	On a farm	Storage of waste in a secure place
A	On site	OAK BARNs WOOD END FARM HEMEL HEMPSTEAD HERTFORDSHIRE HP2 7HS	EPR/VH0418D F/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
A	On site	Woodend Farm Cherry Tree Lane HEMEL HEMPSTEAD Hertfordshire HP2 7HS	EPR/KF0300G M/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
2	52m NW	Dane End Farm Redbourne Road Redbourn Hertfordshire AL6 6RW	EPR/RE5183YA /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
4	170m S	Kettlewells Farm Hog End Lane St. Albans Hertfordshire AL3 6RG	EPR/TE5742V Q/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
B	184m S	PUNCHBOWL PARK, CHERRY TREE LANE, HEMEL HEMPSTEAD, HP2 7EU	WEX358739	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	184m S	PUNCHBOWL PARK, CHERRY TREE LANE, HEMEL HEMPSTEAD, HP2 7EU	WEX358739	Treating waste exemption	Not on a farm	Sorting mixed waste
B	184m S	PUNCHBOWL PARK, CHERRY TREE LANE, HEMEL HEMPSTEAD, HP2 7EU	WEX151165	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	213m N	North Barn, Hemel Hempstead road, St Albans, AL3 7AJ	WEX039816	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
C	213m N	North Barn, Hemel Hempstead road, St Albans, AL3 7AJ	WEX039816	Using waste exemption	On a farm	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
C	213m N	North Barn, Hemel Hempstead road, St Albans, AL3 7AJ	WEX039816	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	213m N	North Barn, Hemel Hempstead road, St Albans, AL3 7AJ	WEX039816	Using waste exemption	On a farm	Use of mulch
5	256m SE	-	WEX257033	Storing waste exemption	On a farm	Storage of sludge
D	368m SE	-	WEX015590	Storing waste exemption	On a farm	Storage of sludge
D	377m SE	-	WEX350011	Storing waste exemption	On a farm	Storage of sludge
E	395m N	-	WEX324209	Using waste exemption	On a farm	Use of waste in construction
E	395m N	-	WEX324209	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
E	395m N	-	WEX324209	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	395m N	-	WEX324209	Using waste exemption	On a farm	Use of mulch
E	395m N	-	WEX324209	Disposing of waste exemption	On a farm	Disposal by incineration
E	395m N	-	WEX197180	Treating waste exemption	On a Farm	Cleaning, washing, spraying or coating relevant waste
E	395m N	-	WEX197180	Using waste exemption	On a Farm	Use of waste in construction
E	395m N	North Barn Hemel Hempstead Road ST. ALBANS Hertfordshire AL3 7AJ	EPR/VH0178W X/A001	Treating waste exemption	Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
E	395m N	North Barn Hemel Hempstead Road ST. ALBANS Hertfordshire AL3 7AJ	EPR/VH0178W X/A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction

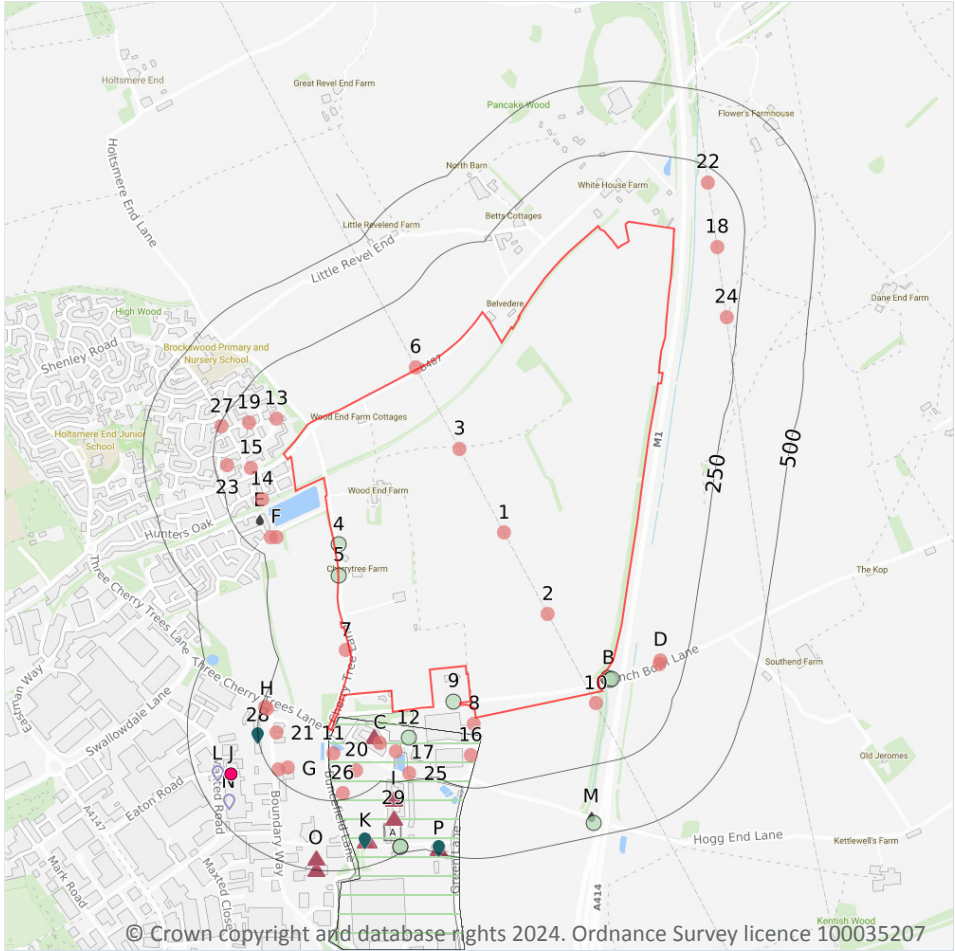


ID	Location	Site	Reference	Category	Sub-Category	Description
E	395m N	-	WEX197180	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
E	395m N	-	WEX197180	Using waste exemption	On a Farm	Use of mulch
E	395m N	North Barn Hemel Hempstead Road ST. ALBANS Hertfordshire AL3 7AJ	EPR/VH0178W X/A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
E	395m N	North Barn Hemel Hempstead Road ST. ALBANS Hertfordshire AL3 7AJ	EPR/VH0178W X/A001	Using waste exemption	Agricultural Waste Only	Use of mulch
6	406m SW	82 Maxted Close Hemel Hempstead Herts HP2 7DX	EPR/ZE5957A Q/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
F	436m SW	82, Maxted Close, Hemel Hempstead, HP2 7DX	WEX004649	Treating waste exemption	Not on a farm	Recovery of scrap metal
F	469m SW	AzteQ House Maxted Corner Hemel Hempstead Hertfordshire HP2 7RA	EPR/BF0532CS /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
G	479m NW	Unit 4 Shenley Road HEMEL HEMPSTEAD Hertfordshire HP2 7QH	EPR/SF0630JP/ A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
7	482m SW	BOUNDARY WAY, HEMEL HEMPSTEAD, HP2 7YU	WEX279805	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
G	488m NW	UNIT 4, SHENLEY ROAD, HEMEL HEMPSTEAD, HP2 7QH	WEX372152	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
G	488m NW	4-5, Loveridge Mews, London, NW6 2DP	WEX100171	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
G	488m NW	UNIT 4, SHENLEY ROAD, HEMEL HEMPSTEAD, HP2 7QH	WEX242834	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



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- ⬠ Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m **32**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 40 >](#)

ID	Location	Company	Address	Activity	Category
1	On site	Pylon	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
2	On site	Pylon	Hertfordshire, AL3	Electrical Features	Infrastructure and Facilities
3	On site	Pylon	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
6	9m NW	Pylon	Hertfordshire, AL3	Electrical Features	Infrastructure and Facilities
7	13m SW	Electricity Poles	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
8	22m S	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
10	38m SE	Pylon	Hertfordshire, AL3	Electrical Features	Infrastructure and Facilities
11	84m SW	Electricity Sub Stations	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
13	102m W	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
C	120m SW	Tank	Hertfordshire, HP2	Tanks (Generic)	Industrial Features
14	124m W	Pump House	Hertfordshire, HP2	Water Pumping Stations	Industrial Features
15	126m W	Gas Governor	Hertfordshire, HP2	Gas Features	Infrastructure and Facilities
16	135m S	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
17	143m S	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
18	156m NE	Pylon	Hertfordshire, AL3	Electrical Features	Infrastructure and Facilities
D	163m SE	Mast (Telecommunication)	Hertfordshire, AL3	Telecommunications Features	Infrastructure and Facilities
D	164m SE	Pylon	Hertfordshire, AL3	Electrical Features	Infrastructure and Facilities
19	166m W	P J Motors	29, Cuffley Court, Hemel Hempstead, Hertfordshire, HP2 7LR	Scrap Metal Merchants	Recycling Services
20	166m SW	Tanks	Hertfordshire, HP2	Tanks (Generic)	Industrial Features
F	178m W	Sewage Pumping Station	Hertfordshire, HP2	Waste Storage, Processing and Disposal	Infrastructure and Facilities
21	185m SW	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
F	186m W	Pumping Station	Hertfordshire, HP2	Water Pumping Stations	Industrial Features
G	200m SW	Trailer Resources Ltd	Garton Court, Boundary Way, Hemel Hempstead, Hertfordshire, HP2 7RH	Vehicle Hire and Rental	Hire Services
22	204m NE	Pylon	Hertfordshire, AL3	Electrical Features	Infrastructure and Facilities
23	204m W	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
24	211m NE	Pylon	Hertfordshire, AL3	Electrical Features	Infrastructure and Facilities
25	223m S	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
26	227m SW	Tank	Hertfordshire, HP2	Tanks (Generic)	Industrial Features
H	229m SW	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
G	230m SW	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities
H	237m SW	Tank	Hertfordshire, HP2	Tanks (Generic)	Industrial Features
27	241m W	Electricity Sub Station	Hertfordshire, HP2	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.



4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

6

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

Features are displayed on the Current industrial land use map on [page 40 >](#)

ID	Location	Company	Address	Operational status	Tier
A	On site	British Pipeline Agency Limited	British Pipeline Agency Limited, Buncefield Terminal, Green Lane, Hemel Hempstead, Hertfordshire, HP2 7HZ	Current COMAH Site	COMAH Upper Tier Operator
A	5m SW	Bp Oil Uk Ltd	Bp Oil Uk Ltd, Green Lane, Off Brakespeare Way, Hemel Hempstead, HP4 7JA	Historical NIHHS Site	-
A	5m SW	Hertfordshire Oil Storage Ltd	Hertfordshire Oil Storage Ltd, Buncefield Terminal, Green Lane, Hemel Hempstead, HP2 7HZ	Historical NIHHS Site	-
A	5m SW	Mobil Oil Company Ltd	Mobil Oil Company Ltd, Buncefield Terminal, Green Lane, Hemel Hempstead	Historical NIHHS Site	-
A	5m SW	Shell UK Oil	Shell UK Oil, Buncefield Terminal, Green Lane, Hemel Hempstead, HP2 7JB	Historical NIHHS Site	-
A	18m SW	BP Oil UK Limited	BP Oil UK Limited, Buncefield Terminal, Buncefield Oil Terminal, Green Lane, Hemel Hempstead, Hertfordshire, HP2 7JA	Current COMAH Site	COMAH Upper Tier Operator



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

11

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

Features are displayed on the Current industrial land use map on [page 40 >](#)

ID	Location	Details	
C	110m SW	Application reference number: 4/02158/10/HAZ Application status: Historical Consent Application date: 24/12/2010 Address: Transco formerly WLPS/UKOP, Buncefield Oil Terminal, Green Lane, Hemel Hempstead, HP2 7HZ	Details: Oil pipeline and storage facilities, storage of aviation kerosene for transfer to Heathrow and Gatwick airports via pipeline and storage of pipeline product interface material. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	309m S	Application reference number: 4/01807/99/HAZ Application status: Historical Consent Application date: 20/10/1999 Address: BP Oil UK Ltd, Buncefield Oil Terminal, Green Lane, Hemel Hempstead, Hertfordshire, England, HP2 7JA	Details: Storage of aviation kerosene Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	309m S	Application reference number: 4/01528/92/4 Application status: Historical Consent Application date: 30/11/1992 Address: Herts Oil Storage, Green Lane, Hemel Hempstead, HP2 7HZ	Details: Storage of hazardous substance Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	309m S	Application reference number: 4/00987/05/HAZ Application status: Historical Consent Application date: 03/05/2005 Address: Buncefield Oil Terminal, Green Lane, Hemel Hempstead, Herts, HP2 7JA	Details: Storage of petroleum products and additives Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified



ID	Location	Details	
I	309m S	Application reference number: 4/00321/03/HAZ Application status: Historical Consent Application date: 16/01/2003 Address: Buncefield Oil Terminal, Green Lane, Hemel Hempstead, Herts, HP2 7JA	Details: Storage of petroleum products and additives Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
29	378m S	Application reference number: 4/01810/09/HAZ Application status: Withdrawn Application date: 06/11/2009 Address: WLPS/UKOP, Buncefield Oil Terminal, Green Lane, Hemel Hempstead, HP2 7HZ	Details: Oil pipeline and storage facilities, storage of aviation kerosene for transfer to Heathrow and Gatwick airports via pipeline and storage of pipeline product interface material. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
K	409m S	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: Hertfordshire Oil Storage Ltd, Buncefield Oil Terminal, Green Lane, Hemel Hempstead, Hertfordshire, England, HP2 7HZ	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
K	413m S	Application reference number: 5/2010/3107 Application status: Historical Consent Application date: 25/01/2011 Address: BPA Buncefield Terminal, Green Lane, Hemel Hempstead, HP2 7HZ	Details: Oil Pipeline And Storage Facilities, Storage Of Aviation Kerosene For Transfer To Heathrow And Gatwick Airports Via Pipeline And Storage Of Pipeline Product Interface Material Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
O	458m SW	Application reference number: 4/01853/99/4 Application status: Historical Consent Application date: 27/10/1999 Address: Shell UK Oil, Green Lane, Hemel Hempstead, Herts, HP2 7JB	Details: Storage and loading of hydrocarbon products Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
P	484m S	Application reference number: 4/01475/92/HAZ Application status: Historical Consent Application date: 19/11/1992 Address: Mobil Oil Co Ltd, Buncefield Terminal, Green Lane, Hemel Hempstead, Hertferdshire, HP2 TJA	Details: Application for deemed consent - storage of hazardous substances Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
O	497m SW	Application reference number: 4/01445/92/HAZ Application status: Historical Consent Application date: 11/11/1992 Address: Sheel [UK] Ltd, Buncefield, Hemel Hempstead, Hertfordshire, HP2 7HZ	Details: Storage of hazardous substance Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.



4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

12

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

Features are displayed on the Current industrial land use map on [page 40 >](#)

ID	Location	Details	
L	425m SW	Operator: A & M TUNGSTEN POWDERS LIMITED Installation Name: A AND M TUNGSTEN POWDERS LTD Process: INORGANIC CHEMICALS; GASES EG AMMONIA Permit Number: BK6912IX Original Permit Number: BK6912IX	EPR Reference: EPR/BK6912IX Issue Date: 25/06/2007 Effective Date: 25/06/2007 Last date noted as effective: 23/11/2023 Status: Surrendered
L	425m SW	Operator: A & M TUNGSTEN POWDERS LIMITED Installation Name: A AND M TUNGSTEN POWDERS LTD Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: BK6912IX Original Permit Number: BK6912IX	EPR Reference: EPR/BK6912IX Issue Date: 25/06/2007 Effective Date: 25/06/2007 Last date noted as effective: 23/11/2023 Status: Surrendered
L	425m SW	Operator: A AND M TUNGSTEN POWDERS LTD Installation Name: - Process: INORGANIC CHEMICALS; GASES EG AMMONIA Permit Number: BK6912 Original Permit Number: BK6912	EPR Reference: - Issue Date: - Effective Date: 31/01/2003 Last date noted as effective: 03/10/2005 Status: SUPERSEDED BY VARIATION
L	425m SW	Operator: A AND M TUNGSTEN POWDERS LTD Installation Name: - Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: BK6912 Original Permit Number: BK6912	EPR Reference: - Issue Date: - Effective Date: 31/01/2003 Last date noted as effective: 03/10/2005 Status: SUPERSEDED BY VARIATION



ID	Location	Details	
L	425m SW	Operator: A AND M TUNGSTEN POWDERS LTD Installation Name: - Process: INORGANIC CHEMICALS; GASES EG AMMONIA Permit Number: BU6875 Original Permit Number: BK6912	EPR Reference: - Issue Date: 30/06/2003 Effective Date: 01/07/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
L	425m SW	Operator: A AND M TUNGSTEN POWDERS LTD Installation Name: - Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: BU6875 Original Permit Number: BK6912	EPR Reference: - Issue Date: 30/06/2003 Effective Date: 01/07/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
N	439m SW	Operator: A & M TUNGSTEN POWDERS LIMITED Installation Name: A AND M TUNGSTEN POWDERS LTD Process: ASSOCIATED PROCESS Permit Number: BK6912IX Original Permit Number: BK6912IX	EPR Reference: EPR/BK6912IX Issue Date: 25/06/2007 Effective Date: 25/06/2007 Last date noted as effective: 23/11/2023 Status: Surrendered
N	439m SW	Operator: A & M Tungsten Powders Limited Installation Name: A AND M TUNGSTEN POWDERS LTD Process: INORGANIC CHEMICALS; GASES EG AMMONIA Permit Number: UP3836MD Original Permit Number: BK6912IX	EPR Reference: - Issue Date: - Effective Date: 25/06/2007 Last date noted as effective: 21/03/2023 Status: Surrender Effective
N	439m SW	Operator: A & M Tungsten Powders Limited Installation Name: A AND M TUNGSTEN POWDERS LTD Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: UP3836MD Original Permit Number: BK6912IX	EPR Reference: - Issue Date: - Effective Date: 25/06/2007 Last date noted as effective: 21/03/2023 Status: Surrender Effective
N	439m SW	Operator: A & M Tungsten Powders Limited Installation Name: A AND M TUNGSTEN POWDERS LTD Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: BU6875IC Original Permit Number: BK6912IX	EPR Reference: - Issue Date: 30/06/2003 Effective Date: 01/07/2003 Last date noted as effective: 21/03/2023 Status: Superceded
N	439m SW	Operator: A & M Tungsten Powders Limited Installation Name: A AND M TUNGSTEN POWDERS LTD Process: INORGANIC CHEMICALS; GASES EG AMMONIA Permit Number: BU6875IC Original Permit Number: BK6912IX	EPR Reference: - Issue Date: 30/06/2003 Effective Date: 01/07/2003 Last date noted as effective: 21/03/2023 Status: Superceded



ID	Location	Details	
N	439m SW	Operator: A & M Tungsten Powders Limited Installation Name: A AND M TUNGSTEN POWDERS LTD Process: ASSOCIATED PROCESS Permit Number: UP3836MD Original Permit Number: BK6912IX	EPR Reference: - Issue Date: - Effective Date: 25/06/2007 Last date noted as effective: 21/03/2023 Status: Surrender Effective

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

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

Records within 500m

3

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 40 >](#)

ID	Location	Address	Details	
28	251m SW	J Murphy and Sons Limited Boundary Way, Hemel Hempstead, Hertfordshire, HP2 7RH	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	409m S	Hertfordshire Oil Storage Ltd, Buncefield Terminal, Green Lane, Hemel Hempstead, Herts, HP2 7HZ	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
P	485m S	BP Oil UK Ltd, Buncefield Terminal, Green Lane, Hemel Hempstead, Hertfordshire, HP2 7JA	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

3

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

Features are displayed on the Current industrial land use map on [page 40 >](#)



ID	Location	Address	Details	
J	380m SW	Jenson Tungsten Ltd (dissolved), 11 Macted Road, Hemel Hempstead Industrial Est, Hemel Hempstead, Hertfordshire, HP2 7DX	Operator: Jenson Tungsten Ltd (dissolved) Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ8095 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Revoked/cancelled
J	380m SW	Jenson Tungsten Ltd (dissolved), 11 Macted Road, Hemel Hempstead Industrial Est, Hemel Hempstead, Hertfordshire, HP2 7DX	Operator: Jenson Tungsten Ltd (dissolved) Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ8133 Date of approval: 23/08/1993	Effective from: 26/09/1993 Last date of update: 01/01/2015 Status: Revoked/cancelled
J	380m SW	Jenson Tungsten Ltd (dissolved), 11 Macted Road, Hemel Hempstead Industrial Est, Hemel Hempstead, Hertfordshire, HP2 7DX	Operator: Jenson Tungsten Ltd (dissolved) Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ8133 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Superseded By Variation

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

4.13 Licensed Discharges to controlled waters

Records within 500m

3

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 40](#) >

ID	Location	Address	Details	
E	166m W	Redbourne Road (Cupid's Green), Redbourne Road (Cupid's Green)	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.1787 Permit Version: 2 Receiving Water: Gade	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 19/08/2014
E	166m W	Redbourne Road (Cupid's Green), Redbourne Road (Cupid's Green)	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.1787 Permit Version: 1 Receiving Water: GADE	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 02/09/2010



ID	Location	Address	Details	
M	428m S	JUNCTION 8 COMPOUND, GREEN LANE, (OFF BREAKSPEAR WAY A414), HEMEL HEMPSTEAD, HERTFORDSHIRE, HP2 4UE	Effluent Type: SEWAGE & TRADE COMBINED - UNSPECIFIED Permit Number: CANM.1100 Permit Version: 1 Receiving Water: TO UNKNOWN DITCH TRIBUTARY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/06/2006 Effective Date: 20/06/2006 Revocation Date: 01/05/2010

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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



4.18 Pollution Incidents (EA/NRW)

Records within 500m

10

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 40](#) >

ID	Location	Details	
4	On site	Incident Date: 03/05/2002 Incident Identification: 76444 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5	On site	Incident Date: 18/10/2001 Incident Identification: 37609 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	24m SE	Incident Date: 17/05/2002 Incident Identification: 79334 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
9	25m S	Incident Date: 02/10/2002 Incident Identification: 111975 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	32m SE	Incident Date: 18/04/2002 Incident Identification: 72706 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	34m SE	Incident Date: 19/04/2002 Incident Identification: 73116 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
12	100m S	Incident Date: 14/07/2003 Incident Identification: 173589 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
M	451m S	Incident Date: 25/09/2002 Incident Identification: 110589 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	480m S	Incident Date: 11/12/2005 Incident Identification: 365351 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 1 (Major) Land Impact: Category 1 (Major) Air Impact: Category 1 (Major)
A	480m S	Incident Date: 11/12/2005 Incident Identification: 365351 Pollutant: Oils and Fuel Pollutant Description: Kerosene and Aviation Fuel	Water Impact: Category 1 (Major) Land Impact: Category 1 (Major) Air Impact: Category 1 (Major)

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.



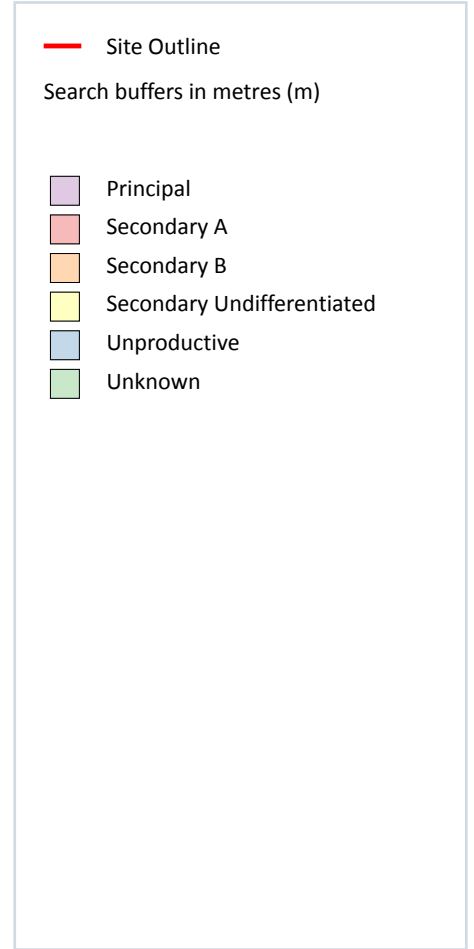
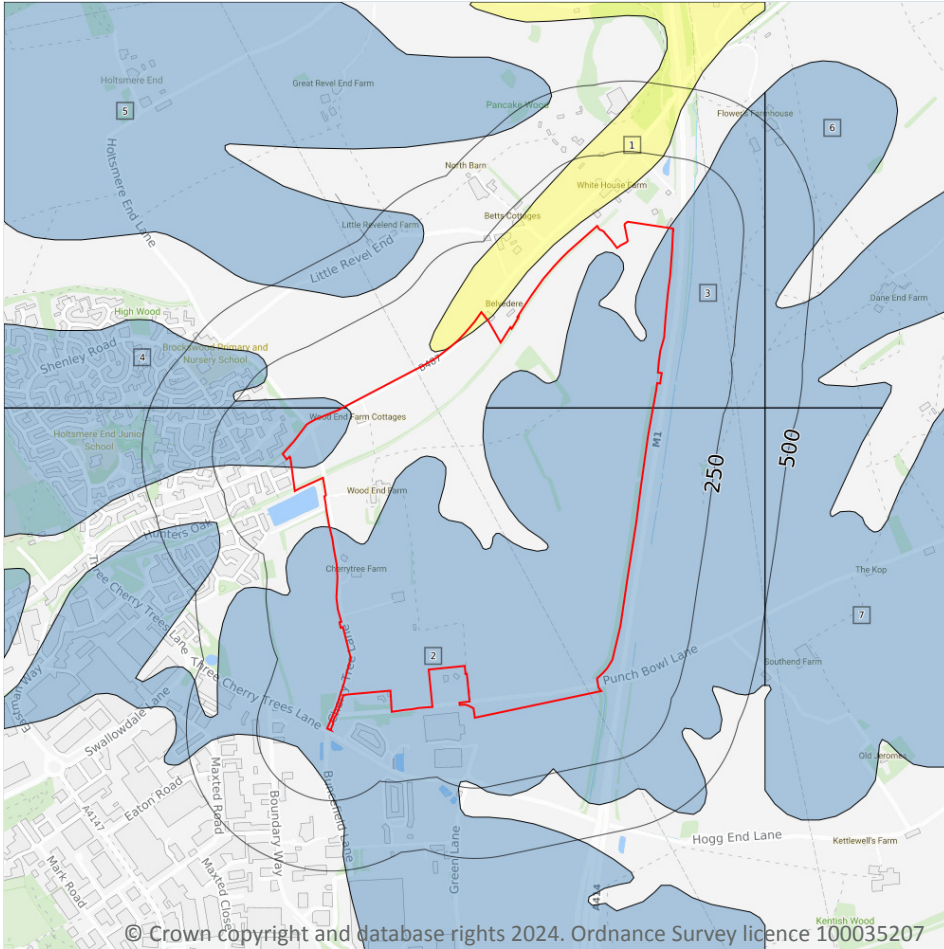
Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Date: 5 March 2024

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

7

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 54](#) >

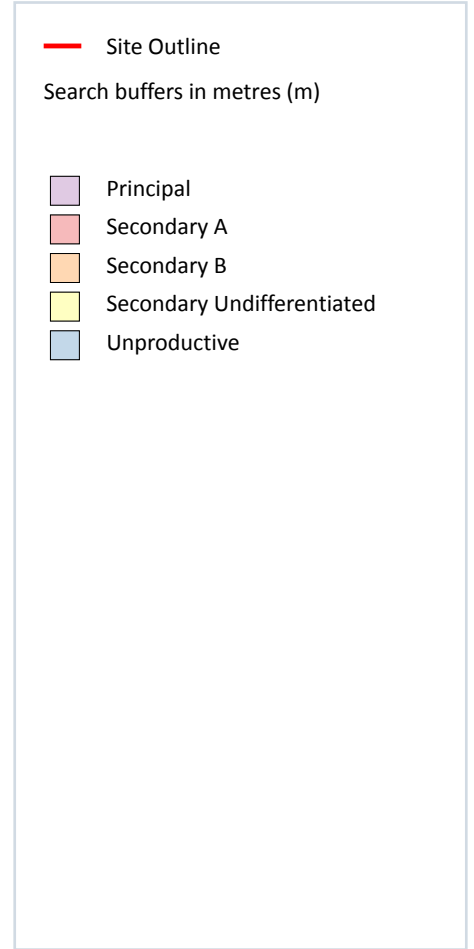
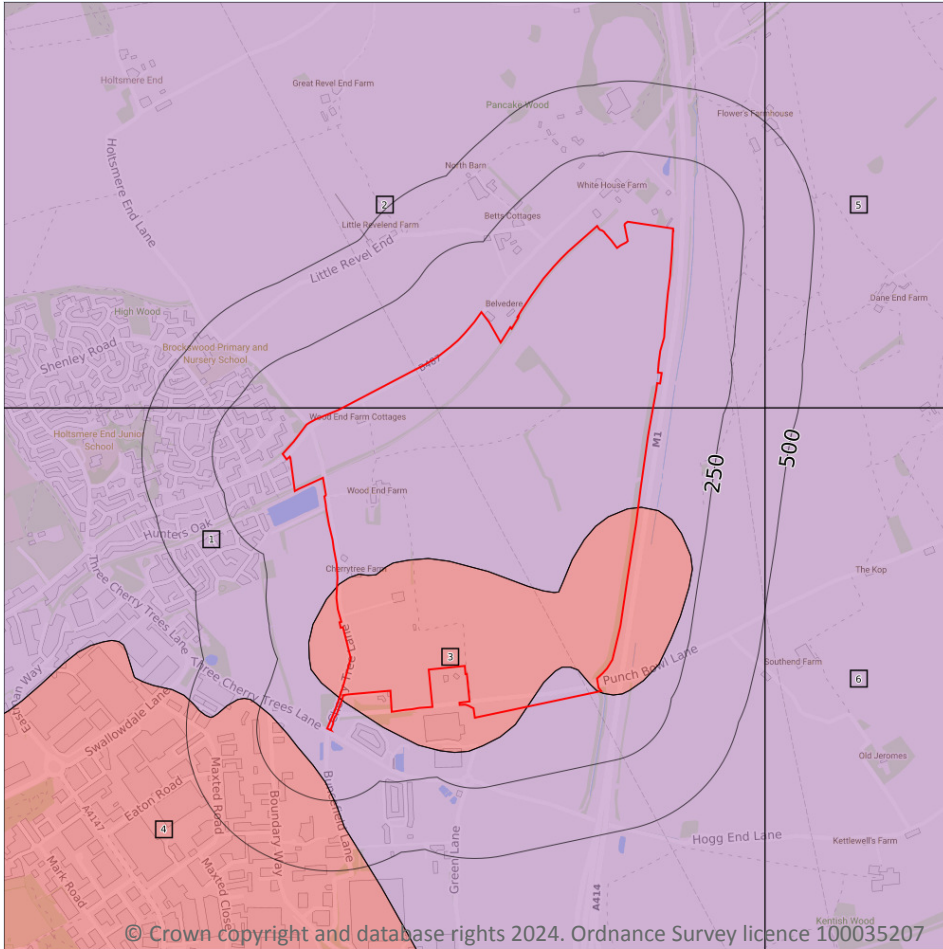
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	309m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	326m NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
7	383m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

6

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 56](#) >

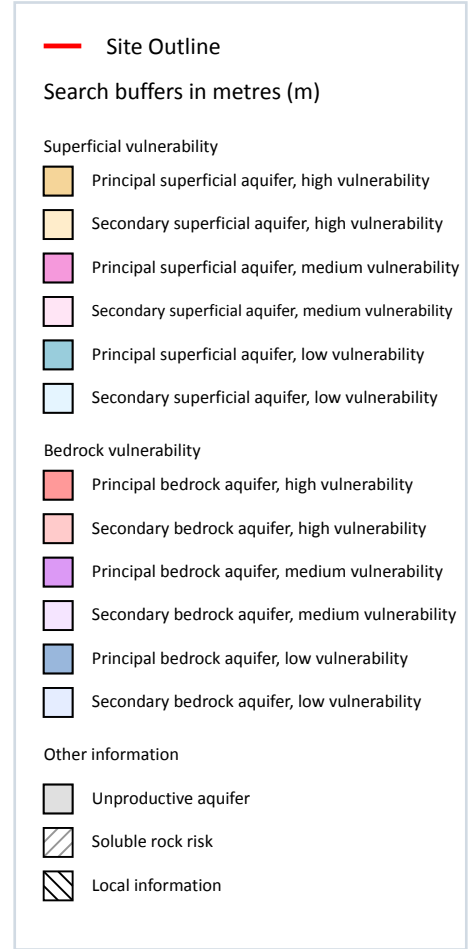
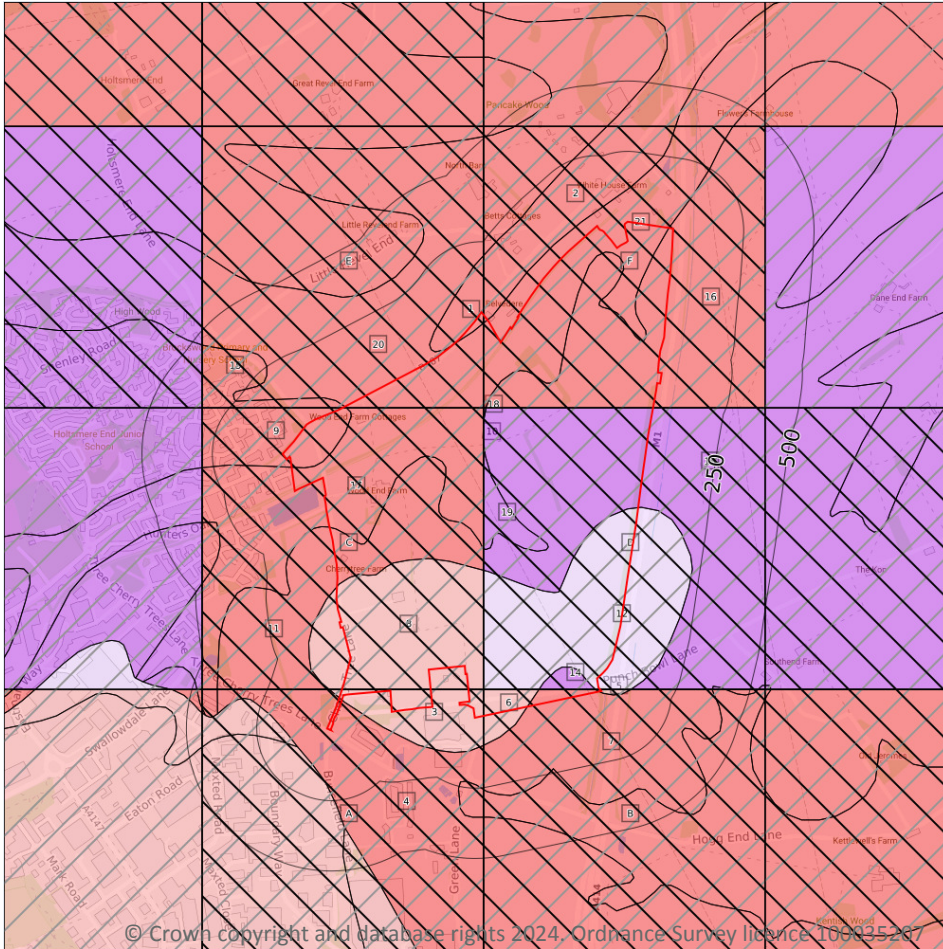
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site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



ID	Location	Designation	Description
3	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	122m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	326m NE	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
6	383m E	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

21

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 58 >](#)



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m 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, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: <3m Patchiness value: <90% Recharge potential: Low	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: <3m Patchiness value: <90% Recharge potential: Low	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
8	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
9	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
10	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
11	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
12	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
13	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
14	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
15	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
16	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
17	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
18	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
19	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
20	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
21	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% 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	6
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.	33.0%
B	Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.	22.0%
C	Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.	19.0%
D	Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.	48.0%
E	Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.	38.0%



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

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

5.5 Groundwater vulnerability- local information

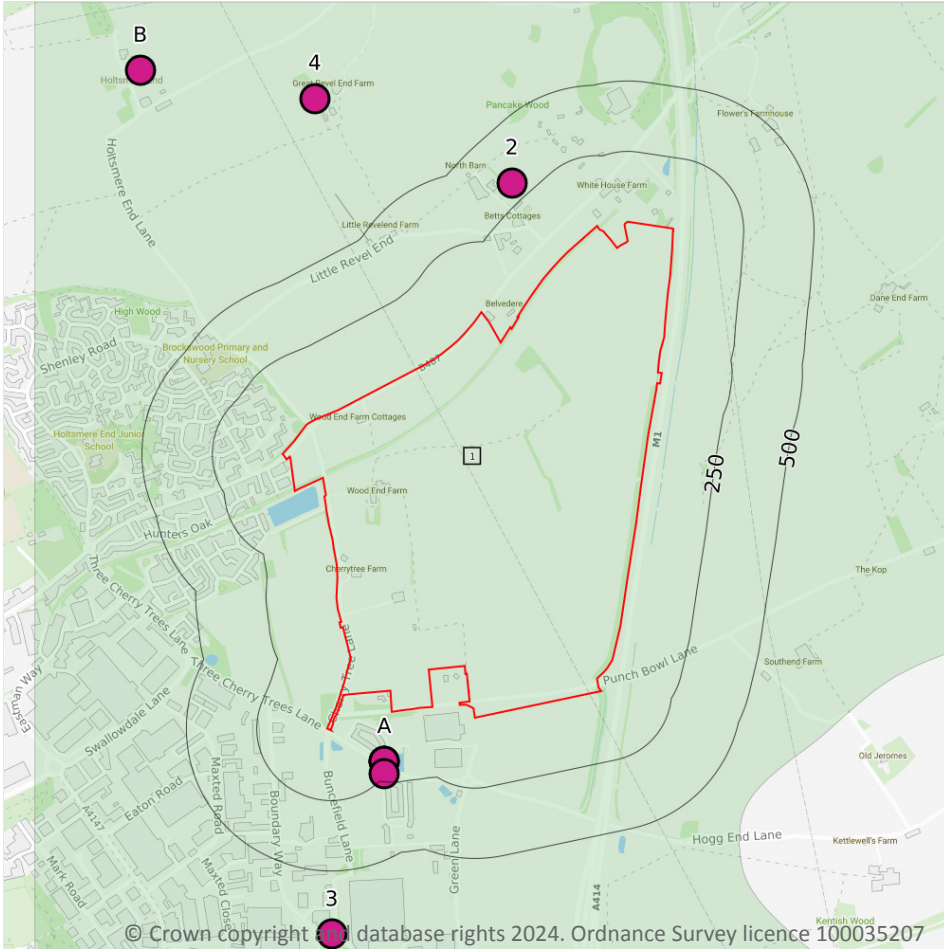
Records on site	6
------------------------	----------

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 ↗.

ID	Summary	Additional information
A	Known fissure flow in area	Bricket Wood fissure flow
B	Known fissure flow in area	Bricket Wood fissure flow
C	Known fissure flow in area	Bricket Wood fissure flow
D	Known fissure flow in area	Bricket Wood fissure flow
E	Known fissure flow in area	Bricket Wood fissure flow
F	Known fissure flow in area	Bricket Wood fissure flow

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

8

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 64](#) >

ID	Location	Details	
A	178m SW	Status: Historical Licence No: TH/039/0028/003 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: BUNCEFIELD OIL DEPOT BOREHOLE Data Type: Point Name: BRITISH PIPELINE AGENCY LIMITED Easting: 508647 Northing: 208744	Annual Volume (m ³): 175200 Max Daily Volume (m ³): 480 Original Application No: - Original Start Date: 04/09/2009 Expiry Date: 03/09/2010 Issue No: 1 Version Start Date: 04/09/2009 Version End Date: -
A	178m SW	Status: Historical Licence No: TH/039/0028/014 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: BUNCEFIELD OIL DEPOT BOREHOLE Data Type: Point Name: BRITISH PIPELINE AGENCY LIMITED Easting: 508647 Northing: 208744	Annual Volume (m ³): 31536 Max Daily Volume (m ³): 86.4 Original Application No: - Original Start Date: 04/11/2010 Expiry Date: 03/11/2011 Issue No: 1 Version Start Date: 04/11/2010 Version End Date: -
A	178m SW	Status: Historical Licence No: TH/039/0028/027 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: BUNCEFIELD OIL DEPOT BOREHOLE Data Type: Point Name: BRITISH PIPELINE AGENCY LIMITED Easting: 508647 Northing: 208744	Annual Volume (m ³): 31536 Max Daily Volume (m ³): 86.4 Original Application No: - Original Start Date: 29/09/2012 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 29/09/2012 Version End Date: -
A	221m S	Status: Historical Licence No: TH/039/0028/027 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: BUNCEFIELD OIL DEPOT BOREHOLE 2 Data Type: Point Name: BRITISH PIPELINE AGENCY LIMITED Easting: 508646 Northing: 208701	Annual Volume (m ³): 31536 Max Daily Volume (m ³): 86.4 Original Application No: - Original Start Date: 29/09/2012 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 29/09/2012 Version End Date: -
2	316m N	Status: Historical Licence No: 28/39/28/0381 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT TULLOCHSIDE, REDBOURN Data Type: Point Name: HEWER Easting: 509100 Northing: 210800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/04/1970 Expiry Date: - Issue No: 100 Version Start Date: 13/04/1970 Version End Date: -



ID	Location	Details	
3	724m S	Status: Historical Licence No: 28/39/28/0573 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: HEMEL TELEHOUSE-BOREHOLE A Data Type: Point Name: HUTCHISON NETWORK SERVICES UK LIMITED Easting: 508460 Northing: 208130	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/12/2002 Expiry Date: - Issue No: 2 Version Start Date: 01/01/2003 Version End Date: -
4	963m NW	Status: Historical Licence No: 28/39/28/0231 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: WELL AT GREAT REVELEND FARM, REDBOURN Data Type: Point Name: S G STANBRIDGE & SON Easting: 508400 Northing: 211100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/06/1969 Version End Date: -
B	1388m NW	Status: Historical Licence No: 28/39/28/0565 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT HOLTSMERE END FARM, REDBOURN. Data Type: Point Name: HOLTSMERE END WATER COMPANY Easting: 507780 Northing: 211200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/11/2001 Expiry Date: 31/03/2014 Issue No: 1 Version Start Date: 26/11/2001 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

1

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 64 >](#)



ID	Location	Details	
-	1721m NE	Status: Historical Licence No: 28/39/28/0148 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER VER AT REDBOURNBURY, HERTFORDSHIRE Data Type: Line Name: Hudgell Easting: 511300 Northing: 211200	Annual Volume (m ³): 10910 Max Daily Volume (m ³): 454.6 Original Application No: - Original Start Date: 01/08/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2018 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

1

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 64 >](#)

ID	Location	Details	
B	1388m NW	Status: Historical Licence No: 28/39/28/0565 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT HOLTSMERE END FARM, REDBOURN. Data Type: Point Name: HOLTSMERE END WATER COMPANY Easting: 507780 Northing: 211200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/11/2001 Expiry Date: 31/03/2014 Issue No: 1 Version Start Date: 26/11/2001 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m

1

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 64 >](#)



ID	Location	Type	Description
1	On site	3	Total catchment

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

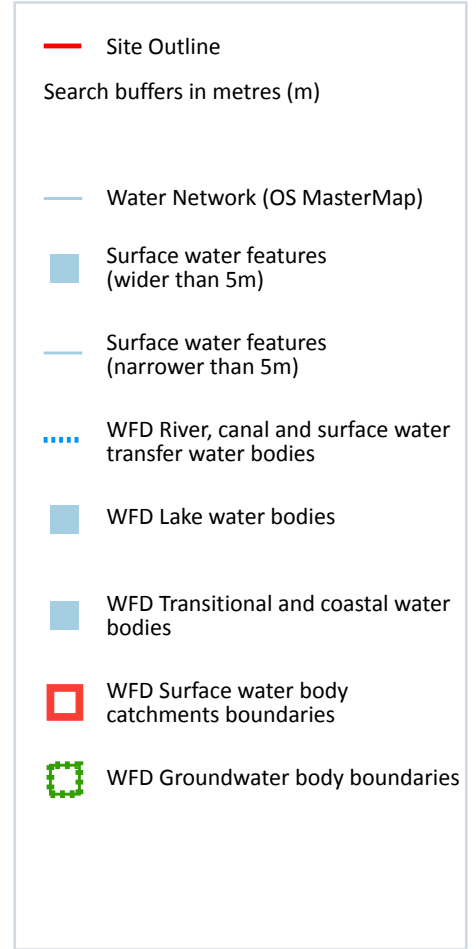
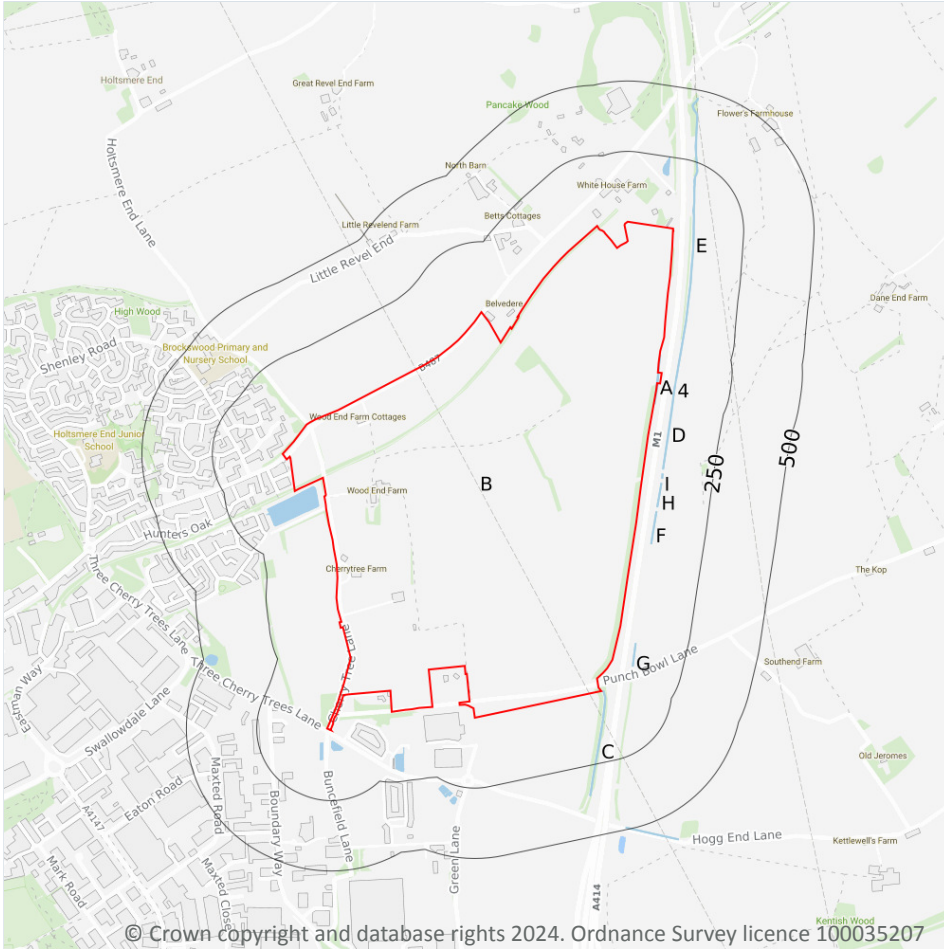
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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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



6.1 Water Network (OS MasterMap)

Records within 250m

9

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

Features are displayed on the Hydrology map on [page 69 >](#)

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

ID	Location	Type of water feature	Ground level	Permanence	Name
C	7m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	53m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	53m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	53m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	63m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	66m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	67m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	69m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

13

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 69 >](#)

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 69 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River	Ver	GB106039029920	Colne	Colne

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 69 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1216m NE	River	Ver	GB106039029920 ↗	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 69 >](#)



ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	Mid-Chilterns Chalk	GB40601G601200 ↗	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.

