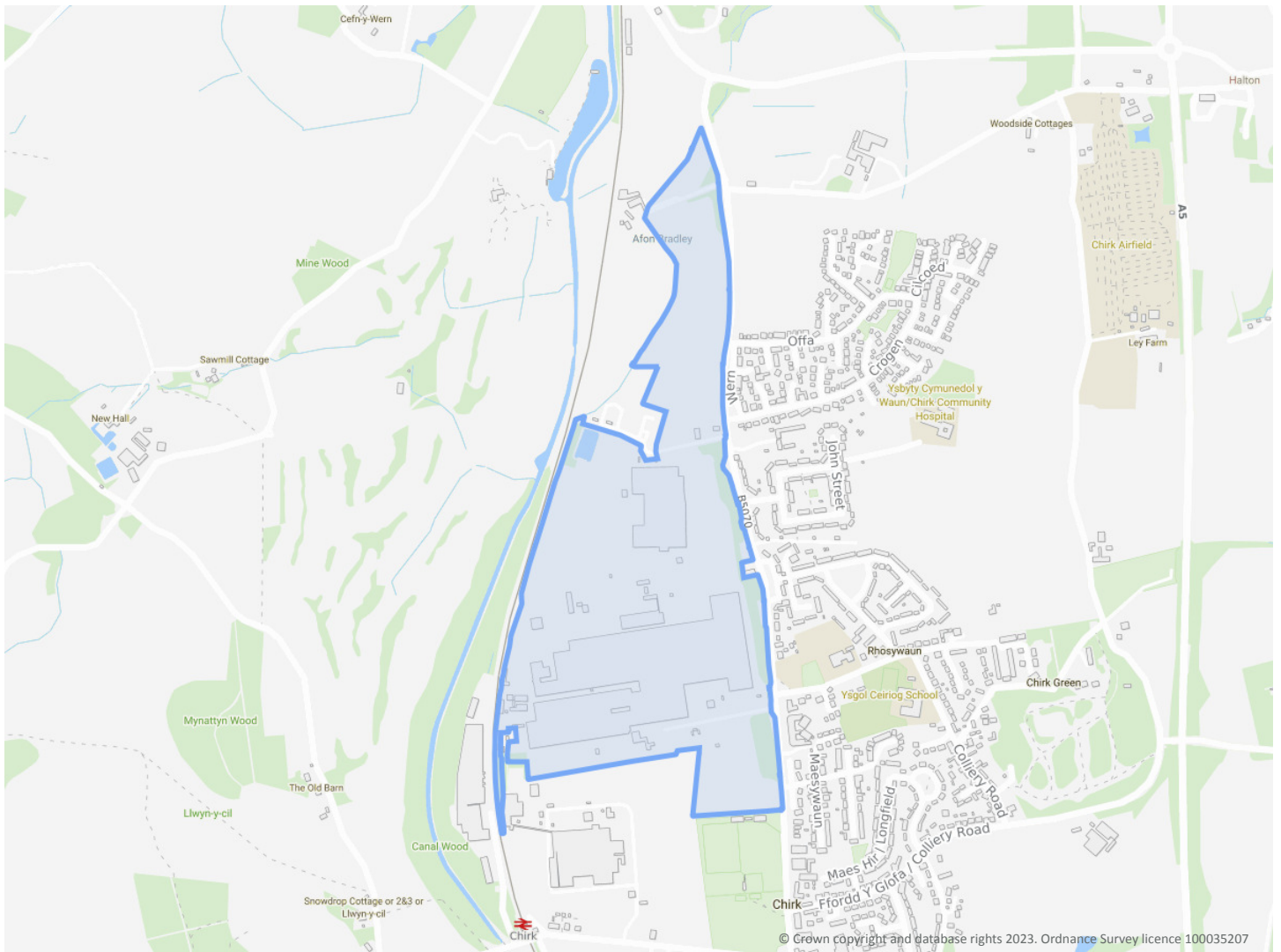


Order Details

Date: 20/10/2023
Your ref: CMAPS-CM-1131749-2894-201023
Our Ref: CMAPS-CM-1131749-2894-201023EDRGeo

Site Details

Location: 328737 338648
Area: 51.86 ha
Authority: [Wrexham - Wrexham County Borough Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

N/A: >10ha

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Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Certified



Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	45	34	53	69	-
22 >	1.2 >	Historical tanks >	33	17	4	11	-
25 >	1.3 >	Historical energy features >	4	4	4	18	-
26	1.4	Historical petrol stations	0	0	0	0	-
26 >	1.5 >	Historical garages >	5	0	2	0	-
27	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
28 >	2.1 >	Historical industrial land uses >	48	42	66	88	-
37 >	2.2 >	Historical tanks >	88	33	14	20	-
43 >	2.3 >	Historical energy features >	10	15	8	32	-
46	2.4	Historical petrol stations	0	0	0	0	-
46 >	2.5 >	Historical garages >	9	0	6	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
48	3.1	Active or recent landfill	0	0	0	0	-
48	3.2	Historical landfill (BGS records)	0	0	0	0	-
49	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
49 >	3.4 >	Historical landfill (EA/NRW records) >	0	1	0	0	-
49	3.5	Historical waste sites	0	0	0	0	-
49	3.6	Licensed waste sites	0	0	0	0	-
50 >	3.7 >	Waste exemptions >	2	0	4	0	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
51 >	4.1 >	Recent industrial land uses >	28	9	22	-	-
54 >	4.2 >	Current or recent petrol stations >	1	0	0	0	-
55	4.3	Electricity cables	0	0	0	0	-
55	4.4	Gas pipelines	0	0	0	0	-
55	4.5	Sites determined as Contaminated Land	0	0	0	0	-



55 >	4.6 >	Control of Major Accident Hazards (COMAH) >	2	0	0	0	-
56	4.7	Regulated explosive sites	0	0	0	0	-
56 >	4.8 >	Hazardous substance storage/usage >	1	0	0	0	-
56 >	4.9 >	Historical licensed industrial activities (IPC) >	0	3	4	0	-
57 >	4.10 >	Licensed industrial activities (Part A(1)) >	15	2	15	0	-
62 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	3	2	3	0	-
63	4.12	Radioactive Substance Authorisations	0	0	0	0	-
64 >	4.13 >	Licensed Discharges to controlled waters >	5	10	4	5	-
67	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
67	4.15	Pollutant release to public sewer	0	0	0	0	-
67 >	4.16 >	List 1 Dangerous Substances >	0	1	0	0	-
68	4.17	List 2 Dangerous Substances	0	0	0	0	-
68 >	4.18 >	Pollution Incidents (EA/NRW) >	7	10	5	0	-
70	4.19	Pollution inventory substances	0	0	0	0	-
71	4.20	Pollution inventory waste transfers	0	0	0	0	-
71	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
72 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
74 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
76 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
78	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
78	5.5	Groundwater vulnerability- local information	None (within 0m)				
79 >	5.6 >	Groundwater abstractions >	14	0	0	0	0
83 >	5.7 >	Surface water abstractions >	0	8	0	2	13
88 >	5.8 >	Potable abstractions >	0	0	0	0	2
88	5.9	Source Protection Zones	0	0	0	0	-
88	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
90 >	6.1 >	Water Network (OS MasterMap) >	6	7	28	-	-



94 >	6.2 >	Surface water features >	1	4	15	-	-
94 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
94 >	6.4 >	WFD Surface water bodies >	0	1	0	-	-
95 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
96 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
97	7.2	Historical Flood Events	0	0	0	-	-
97	7.3	Flood Defences	0	0	0	-	-
97	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
97	7.5	Flood Storage Areas	0	0	0	-	-
98 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
99 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
100 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
102 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	1	13
104	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
104 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	13
108	10.4	Special Protection Areas (SPA)	0	0	0	0	0
108	10.5	National Nature Reserves (NNR)	0	0	0	0	0
108	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
109 >	10.7 >	Designated Ancient Woodland >	0	1	2	8	122
114	10.8	Biosphere Reserves	0	0	0	0	0
114	10.9	Forest Parks	0	0	0	0	0
114	10.10	Marine Conservation Zones	0	0	0	0	0
114	10.11	Green Belt	0	0	0	0	0
114	10.12	Proposed Ramsar sites	0	0	0	0	0



115	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
115	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
115	10.15	Nitrate Sensitive Areas	0	0	0	0	0
115	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
116 >	10.17 >	SSSI Impact Risk Zones >	3	-	-	-	-
118 >	10.18 >	SSSI Units >	0	0	0	0	2
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
120 >	11.1 >	World Heritage Sites >	2	2	0	-	-
121	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
121	11.3	National Parks	0	0	0	-	-
121 >	11.4 >	Listed Buildings >	1	0	7	-	-
122 >	11.5 >	Conservation Areas >	0	0	1	-	-
123 >	11.6 >	Scheduled Ancient Monuments >	0	1	0	-	-
123 >	11.7 >	Registered Parks and Gardens >	0	0	2	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
124 >	12.1 >	Agricultural Land Classification >	Grade 3b (within 250m)				
125	12.2	Open Access Land	0	0	0	-	-
125	12.3	Tree Felling Licences	0	0	0	-	-
125	12.4	Environmental Stewardship Schemes	0	0	0	-	-
125	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
127	13.1	Priority Habitat Inventory	0	0	0	-	-
127	13.2	Habitat Networks	0	0	0	-	-
127	13.3	Open Mosaic Habitat	0	0	0	-	-
127	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
128 >	14.1 >	10k Availability >	Identified (within 500m)				
129	14.2	Artificial and made ground (10k)	0	0	0	0	-
130	14.3	Superficial geology (10k)	0	0	0	0	-



130	14.4	Landslip (10k)	0	0	0	0	-
131	14.5	Bedrock geology (10k)	0	0	0	0	-
131	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
132 >	15.1 >	50k Availability >	Identified (within 500m)				
133	15.2	Artificial and made ground (50k)	0	0	0	0	-
133	15.3	Artificial ground permeability (50k)	0	0	-	-	-
134 >	15.4 >	Superficial geology (50k) >	2	0	3	0	-
135 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
135	15.6	Landslip (50k)	0	0	0	0	-
135	15.7	Landslip permeability (50k)	None (within 50m)				
136 >	15.8 >	Bedrock geology (50k) >	1	0	0	2	-
137 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
137 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	3	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
138 >	16.1 >	BGS Boreholes >	9	2	14	-	-
Page	Section	Natural ground subsidence >					
140 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
141 >	17.2 >	Running sands >	Very low (within 50m)				
142 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
143 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
144 >	17.5 >	Landslides >	Very low (within 50m)				
145 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
147 >	18.1 >	BritPits >	0	0	0	1	-
148 >	18.2 >	Surface ground workings >	19	13	14	-	-
150 >	18.3 >	Underground workings >	0	0	4	16	19
151	18.4	Underground mining extents	0	0	0	0	-
152	18.5	Historical Mineral Planning Areas	0	0	0	0	-

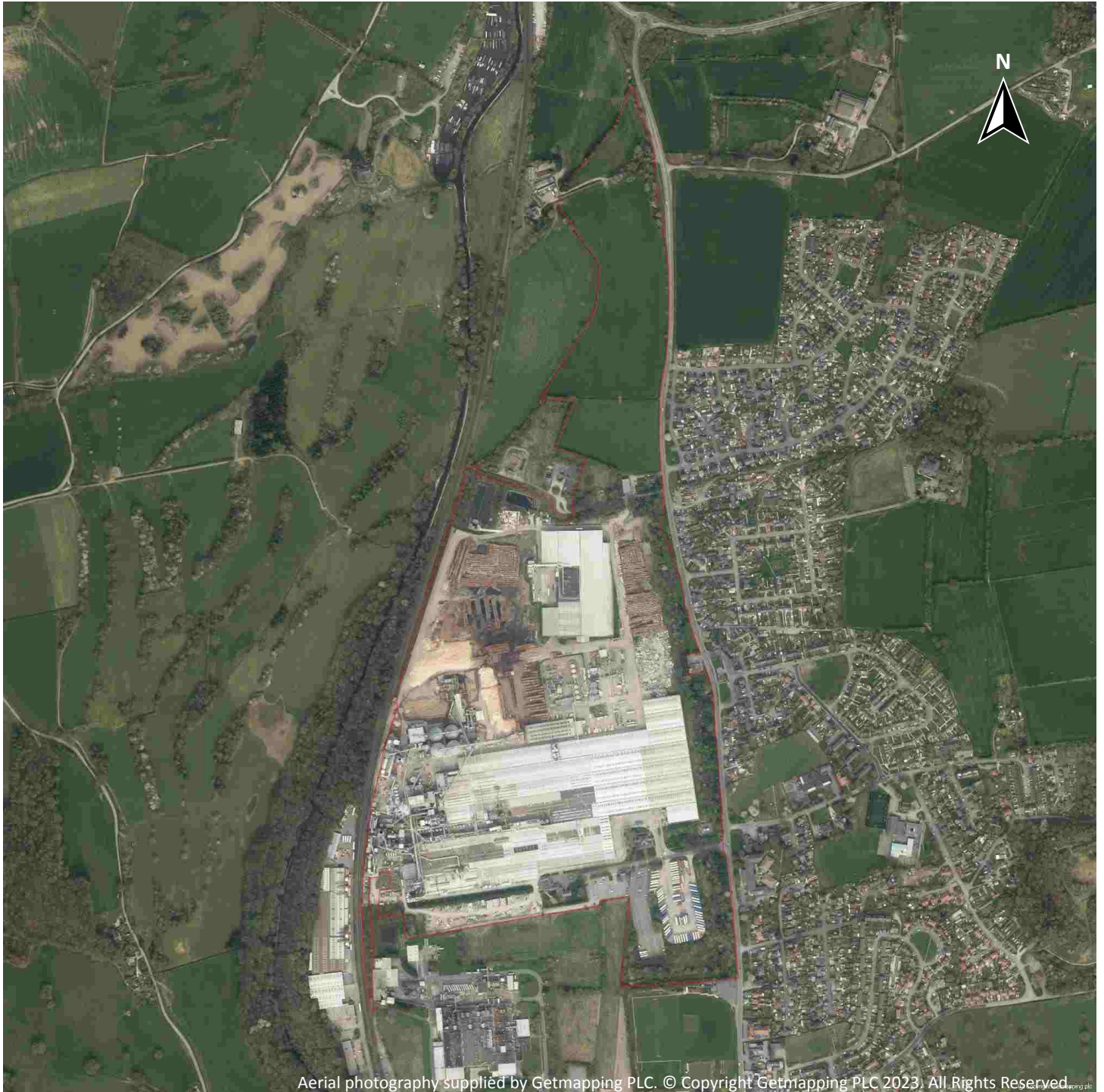


152 >	18.6 >	Non-coal mining >	1	0	0	4	3
153	18.7	JPB mining areas	None (within 0m)				
153	18.8	The Coal Authority non-coal mining	0	0	0	0	-
154	18.9	Researched mining	0	0	0	0	-
154	18.10	Mining record office plans	0	0	0	0	-
154	18.11	BGS mine plans	0	0	0	0	-
154 >	18.12 >	Coal mining >	Identified (within 0m)				
155	18.13	Brine areas	None (within 0m)				
155	18.14	Gypsum areas	None (within 0m)				
155	18.15	Tin mining	None (within 0m)				
155	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
156	19.1	Natural cavities	0	0	0	0	-
156	19.2	Mining cavities	0	0	0	0	0
156	19.3	Reported recent incidents	0	0	0	0	-
156	19.4	Historical incidents	0	0	0	0	-
157	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
158 >	20.1 >	Radon >	Between 5% and 10% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
160 >	21.1 >	BGS Estimated Background Soil Chemistry >	15	1	-	-	-
161	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
161	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
162	22.1	Underground railways (London)	0	0	0	-	-
162	22.2	Underground railways (Non-London)	0	0	0	-	-
163	22.3	Railway tunnels	0	0	0	-	-
163 >	22.4 >	Historical railway and tunnel features >	20	14	31	-	-
165	22.5	Royal Mail tunnels	0	0	0	-	-



166 >	22.6 >	Historical railways >	3	1	0	-	-
166 >	22.7 >	Railways >	1	13	7	-	-
167	22.8	Crossrail 1	0	0	0	0	-
167	22.9	Crossrail 2	0	0	0	0	-
167	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 10/04/2020

Site Area: 51.86ha



Recent site history - 2017 aerial photograph



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Capture Date: 07/05/2017

Site Area: 51.86ha



Recent site history - 2014 aerial photograph



Capture Date: 26/07/2014

Site Area: 51.86ha



Recent site history - 2012 aerial photograph



Capture Date: 27/03/2012

Site Area: 51.86ha



Recent site history - 2001 aerial photograph



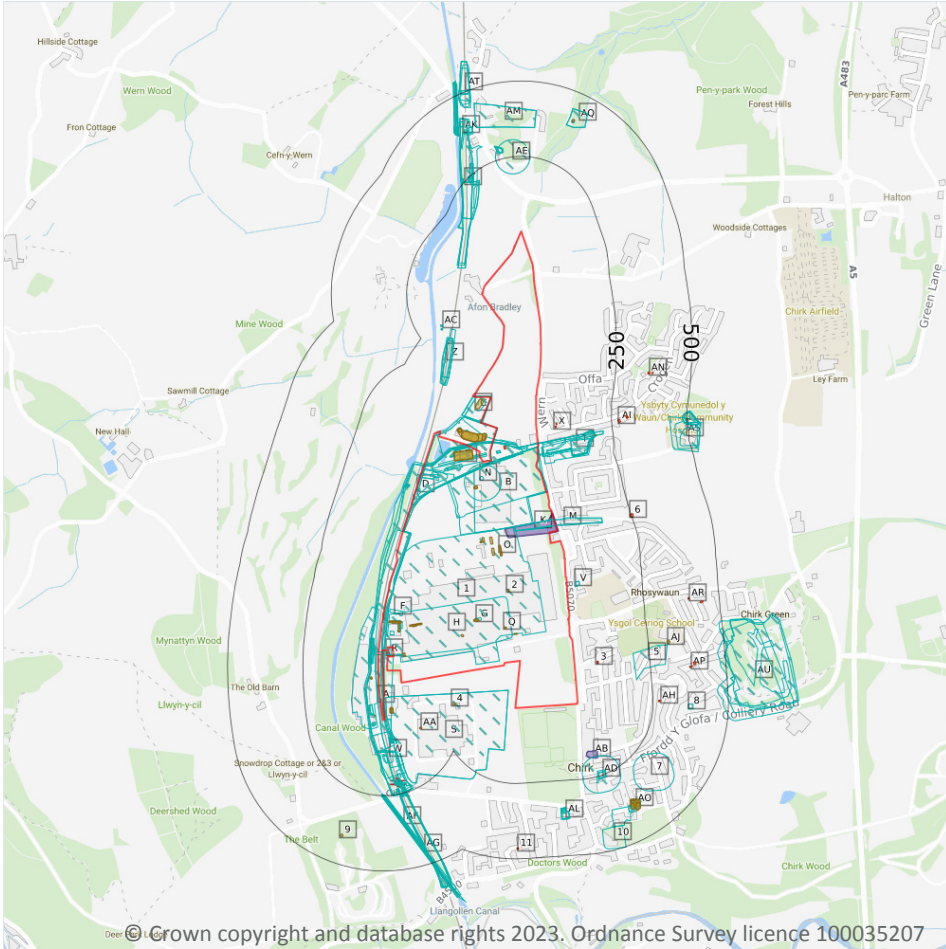
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Capture Date: 01/05/2001

Site Area: 51.86ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m **201**

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	Industrial Estate	1992	806982



ID	Location	Land use	Dates present	Group ID
A	On site	Cuttings	1873	795149
A	On site	Railway Sidings	1992	899905
B	On site	Unspecified Commercial/Industrial	1992	796372
B	On site	Unspecified Factory	1977	821282
B	On site	Unspecified Wharf	1954	886616
C	On site	Unspecified Commercial/Industrial	1954	796373
C	On site	Sewage Works	1949	916333
C	On site	Unspecified Works	1992	953150
C	On site	Unspecified Works	1977	956367
D	On site	Railway Building	1954	819053
D	On site	Railway Buildings	1954	833424
D	On site	Railway Buildings	1954	833438
E	On site	Railway Building	1898	819054
E	On site	Railway Building	1873	819055
E	On site	Railway Buildings	1949	833435
E	On site	Railway Building	1898	876367
E	On site	Sewage Works	1977	882631
E	On site	Railway Building	1954	883860
E	On site	Sewage Works	1992	889238
E	On site	Unspecified Pit	1949	929188
E	On site	Unspecified Pit	1914	932992
E	On site	Railway Sidings	1873	956252
E	On site	Unspecified Pit	1954	962468
E	On site	Unspecified Wharf	1899	964701
E	On site	Railway Building	1914 - 1949	964873
E	On site	Railway Building	1914	967473
E	On site	Railway Sidings	1899	972700
E	On site	Unspecified Wharf	1873	985567



ID	Location	Land use	Dates present	Group ID
F	On site	Unspecified Tanks	1992	814802
F	On site	Unspecified Tanks	1992	814803
F	On site	Unspecified Tanks	1977	961537
F	On site	Unspecified Tanks	1992	970031
G	On site	Unspecified Tanks	1977	814805
H	On site	Unspecified Factory	1977	821277
I	On site	Tramway Sidings	1954	821501
I	On site	Railway Sidings	1914	951325
J	On site	Railway Sidings	1949	847200
J	On site	Railway Sidings	1898	891073
K	On site	Cuttings	1949	850418
L	On site	Railway Sidings	1899	873627
M	On site	Cuttings	1914 - 1949	962939
M	On site	Cuttings	1954	984811
N	On site	Unspecified Wharf	1914	970678
N	On site	Unspecified Wharf	1949	979687
S	6m SW	Unspecified Commercial/Industrial	1992	796374
S	6m SW	Unspecified Factory	1977	821276
C	7m N	Unspecified Tanks	1949 - 1954	987154
L	7m SW	Industrial Estate	1992	806980
T	12m NE	Unspecified Wharf	1898 - 1899	879044
T	12m NE	Railway Sidings	1899	949166
U	13m SW	Railway Buildings	1899	892080
U	14m SW	Railway Buildings	1898	910687
U	14m SW	Railway Buildings	1949	925767
T	15m NE	Unspecified Wharf	1949	933980
T	15m NE	Unspecified Wharf	1873	987321
U	17m SW	Engine Shed	1914	817777



ID	Location	Land use	Dates present	Group ID
E	18m N	Unspecified Tanks	1992	852116
E	18m N	Unspecified Tanks	1977	990233
U	21m SW	Engine Sheds	1954	833302
U	22m SW	Railway Buildings	1914	918573
D	24m NW	Railway Building	1898 - 1899	935296
E	27m N	Unspecified Tanks	1992	957730
E	27m N	Unspecified Tanks	1977	947373
D	28m NW	Railway Building	1914	861183
V	28m SE	Police Station	1992	848980
V	28m SE	Police Station	1977	919541
A	28m SW	Railway Building	1949	921506
A	28m SW	Railway Building	1898 - 1899	969687
D	28m NW	Railway Building	1949 - 1954	922325
A	28m SW	Engine Shed	1914 - 1949	936671
A	28m SW	Railway Building	1898 - 1899	955253
T	31m NE	Railway Sidings	1873	901214
T	31m NE	Railway Sidings	1914	936992
E	34m N	Unspecified Tank	1977	865589
A	35m SW	Railway Building	1914	908125
E	36m N	Unspecified Tank	1992	845604
A	36m SW	Engine Shed	1954	962643
W	41m SW	Railway Sidings	1977	930897
W	59m SW	Goods Shed	1954	937579
W	59m SW	Railway Building	1898 - 1899	861358
W	59m SW	Goods Shed	1949	982493
W	60m SW	Goods Shed	1914	894660
Y	87m N	Railway Sidings	1949	971719
Y	87m N	Railway Sidings	1898	972037



ID	Location	Land use	Dates present	Group ID
W	90m SW	Railway Sidings	1873	963004
Z	95m N	Cuttings	1873	989091
Y	95m N	Tramway Sidings	1954	821500
Y	98m N	Railway Sidings	1914	940242
Z	100m N	Cuttings	1977	863887
Z	100m N	Cuttings	1992	873174
Z	100m N	Cuttings	1914 - 1949	963926
W	101m SW	Railway Sidings	1914	930636
Z	102m N	Cuttings	1954	873334
W	106m SW	Railway Sidings	1898	857046
T	108m NE	Unspecified Wharf	1954	847083
T	108m NE	Unspecified Wharf	1914	989626
W	113m SW	Railway Building	1898 - 1954	909117
W	115m SW	Railway Building	1914	941741
T	162m NE	Railway Building	1954	819067
Y	163m N	Railway Sidings	1977	848707
Y	163m N	Railway Sidings	1992	969836
AC	167m N	Unspecified Disused Kilns	1992	861037
AC	167m N	Unspecified Disused Kilns	1977	933433
AC	173m N	Unspecified Disused Kilns	1977	895805
AC	173m N	Unspecified Disused Kilns	1992	918397
Y	175m N	Unspecified Ground Workings	1977	799181
W	184m S	Railway Building	1873	819052
AD	185m SE	Police Station	1914	880652
AE	193m N	Sand Pit	1898	858694
5	196m SE	Nursery	1977	831646
W	201m S	Railway Station	1954	970695
W	205m S	Railway Station	1992	896911



ID	Location	Land use	Dates present	Group ID
W	205m S	Railway Station	1977	955454
W	206m S	Unspecified Station	1914	843701
W	207m S	Railway Station	1898 - 1914	845599
W	218m S	Railway Station	1873	891668
Y	223m N	Railway Building	1873	819066
Y	228m N	Goods Sheds	1977	847143
Y	228m N	Goods Sheds	1992	893778
W	231m S	Railway Building	1873	958281
Y	231m N	Goods Shed	1914	897572
Y	232m N	Goods Shed	1949 - 1954	888499
AD	233m SE	Police Station	1954	856896
W	233m S	Railway Building	1914	943202
W	233m S	Railway Building	1899	848724
W	233m S	Railway Building	1898	906600
AD	239m SE	Police Station	1914	911049
AD	239m SE	Police Station	1899	937350
AF	245m S	Tunnel	1954 - 1977	904459
AF	245m S	Tunnel	1992	985896
AG	250m S	Tunnel	1899 - 1914	909433
AG	250m S	Tunnel	1898	855399
AG	250m S	Tunnel	1914	973872
AG	251m S	Tunnel	1873	912508
AG	252m S	Cuttings	1954 - 1977	888282
AG	252m S	Cuttings	1992	954526
Y	254m N	Railway Building	1898	819065
AG	255m S	Cuttings	1914	932792
AG	256m S	Cuttings	1898 - 1899	892328
AG	257m S	Cuttings	1873	889656



ID	Location	Land use	Dates present	Group ID
AG	261m S	Cuttings	1914	899722
AE	269m N	Sand Pit	1914	871069
AE	269m N	Sand Pit	1949	892895
AE	269m N	Sand Pit	1954	871467
7	271m SE	Police Station	1898	832473
AJ	312m SE	Unspecified Tank	1992	823669
AK	338m N	Unspecified Pit	1949	838886
AL	339m S	Smithy	1914	850199
AL	341m S	Smithy	1914	966303
AL	342m S	Smithy	1873	946692
AL	343m S	Smithy	1899	963103
AL	346m S	Smithy	1898	925765
AM	347m N	Nursery	1974	922936
AM	347m N	Nursery	1985 - 1994	942959
AK	362m N	Railway Station	1873 - 1898	900276
AO	364m SE	Unspecified Commercial/Industrial	1914	796371
AO	365m SE	Gas Works	1914	858726
AO	366m SE	Gas Works	1898 - 1899	849279
AK	366m N	Railway Building	1992	819064
8	367m SE	Fire Station	1977	793957
AO	370m SE	Gas Works	1873	951561
AO	376m SE	Unspecified Tank	1914 - 1954	961032
AK	378m N	Tunnel	1873	957834
AO	379m SE	Gasometers	1914	806922
AO	381m SE	Gasometer	1898 - 1899	897809
AO	382m SE	Unspecified Tank	1954	917671
AK	383m N	Tunnel	1949	971356
AO	383m SE	Gasometer	1873	904086



ID	Location	Land use	Dates present	Group ID
AK	385m N	Tunnel	1898 - 1914	852801
AQ	385m N	Unspecified Works	1985 - 1994	881439
AQ	385m N	Unspecified Works	1974	913532
AO	386m SE	Unspecified Tank	1914	857051
AK	387m N	Tunnel	1954	989922
AK	390m N	Tunnel	1985 - 1994	889052
AK	390m N	Tunnel	1974 - 1977	898856
AK	396m N	Cuttings	1960	795151
AK	400m N	Railway Building	1898	819063
AQ	400m N	Unspecified Tank	1974	933670
AQ	400m N	Unspecified Tank	1985 - 1994	991081
AK	406m N	Tunnel	1960	970729
10	425m SE	Grave Yard	1873	817167
AS	442m NE	Hospital	1992	881138
AT	444m N	Cuttings	1873	949003
AT	451m N	Cuttings	1960	850409
AS	456m NE	Hospital	1949 - 1954	905429
AT	459m N	Cuttings	1914 - 1949	904458
AT	463m N	Cuttings	1898	958606
AU	466m SE	Colliery	1899	952346
AS	468m NE	Hospital	1977	953069
AV	484m NE	Unspecified Heap	1914	960965
AV	484m NE	Unspecified Heap	1949	969044
AV	485m NE	Unspecified Heap	1954	947513
AU	488m SE	Disused Colliery	1949 - 1954	878809
AU	488m SE	Colliery	1898	958327
AT	489m N	Railway Buildings	1949 - 1960	937876
AU	490m E	Colliery	1914	885766



ID	Location	Land use	Dates present	Group ID
AU	490m E	Railway Sidings	1914	875917
AV	491m NE	Unspecified Heap	1977	853628
AV	491m NE	Unspecified Heap	1992	869575
AT	492m N	Railway Station	1914	822835

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	65
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
2	On site	Unspecified Tank	1988	109716
E	On site	Tanks	1973	144330
E	On site	Tanks	1984 - 1990	146880
F	On site	Tanks	1973	104460
F	On site	Tanks	1973	104462
F	On site	Unspecified Tank	1984	109164
F	On site	Tanks	1995 - 1999	131684
F	On site	Tanks	1973	132118
F	On site	Tanks	1990 - 1992	132635
F	On site	Tanks	1973 - 1988	132881
F	On site	Tanks	1995 - 1999	133964
F	On site	Tanks	1984 - 1988	134646
F	On site	Unspecified Tank	1984 - 1988	139633
F	On site	Tanks	1990 - 1992	140084



ID	Location	Land use	Dates present	Group ID
F	On site	Tanks	1995 - 1999	140867
G	On site	Tanks	1984 - 1999	124032
G	On site	Tanks	1973	124380
H	On site	Unspecified Tank	1984 - 1999	123266
N	On site	Unspecified Tank	1995 - 1999	123548
N	On site	Unspecified Tank	1984 - 1992	144110
O	On site	Tanks	1995 - 1999	134099
O	On site	Unspecified Tank	1988	109161
O	On site	Tanks	1990 - 1992	124875
O	On site	Unspecified Tank	1990 - 1992	128937
O	On site	Tanks	1995 - 1999	130928
O	On site	Tanks	1988 - 1999	139873
O	On site	Tanks	1988 - 1999	140561
O	On site	Tanks	1995 - 1999	143487
P	On site	Unspecified Tank	1988	109162
P	On site	Unspecified Tank	1984	109163
Q	On site	Unspecified Tank	1995	124017
Q	On site	Unspecified Tank	1988 - 1992	127585
Q	On site	Unspecified Tank	1990 - 1995	144401
C	7m N	Tanks	1960	104475
E	15m N	Tanks	1992	123316
E	16m N	Tanks	1984 - 1990	123756
E	16m N	Tanks	1973	124559
A	19m SW	Tanks	1995 - 1999	148501
A	19m SW	Tanks	1973	137191
A	21m SW	Tanks	1973	143771
L	21m SW	Unspecified Tank	1995 - 1999	133345
A	22m SW	Tanks	1984 - 1992	137526



ID	Location	Land use	Dates present	Group ID
L	22m SW	Unspecified Tank	1990 - 1992	144676
E	27m N	Tanks	1973	141306
E	28m N	Tanks	1995 - 1999	126449
E	32m N	Unspecified Tank	1973 - 1995	127791
E	32m N	Unspecified Tank	1999	145022
E	33m N	Unspecified Tank	1984 - 1990	149208
E	42m N	Unspecified Tank	1984	144326
E	42m N	Unspecified Tank	1994	142651
4	96m S	Unspecified Tank	1973 - 1999	137328
AA	119m S	Unspecified Tank	1973	127216
AA	121m S	Unspecified Tank	1984 - 1992	133225
T	190m NE	Unspecified Tank	1912	109719
AJ	312m SE	Unspecified Tank	1973 - 1996	130091
AO	363m SE	Tanks	1912	104461
AO	366m SE	Gas Works	1912	147137
AO	366m SE	Tanks	1899	104459
AO	369m SE	Gas Works	1899	126132
AO	376m SE	Gas Works	1874	133811
AO	376m SE	Gasometer	1899 - 1912	148829
AO	382m SE	Unspecified Tank	1912	109720
AO	391m SE	Gasometer	1874	108350
9	402m SW	Unspecified Tank	1960 - 1994	145539
AQ	402m N	Unspecified Tank	1960 - 1996	137443

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m	30
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
E	On site	Gas Governor	1995 - 1999	71998
E	On site	Gas Governor	1988 - 1992	81205
F	On site	Electricity Substation	1992	79002
F	On site	Electricity Substation	1995 - 1999	79622
R	2m SW	Electricity Substation	1973 - 1992	67507
R	3m SW	Electricity Substation	1995 - 1999	67351
A	24m SW	Electricity Substation	1984 - 1992	79812
A	28m SW	Electricity Substation	1995 - 1999	64823
X	62m NE	Electricity Substation	1994	59957
X	65m NE	Electricity Substation	1984	59958
3	75m SE	Electricity Substation	1992 - 1996	81789
6	246m E	Electricity Substation	1973 - 1996	84554
AH	268m SE	Electricity Substation	1973	83737
AH	268m SE	Electricity Substation	1984 - 1996	74270
AI	271m NE	Electricity Substation	1995 - 1996	74181
AI	297m NE	Electricity Substation	1977 - 1991	74359
AI	299m NE	Electricity Substation	-	59448
AN	357m NE	Electricity Substation	-	59493
AN	357m NE	Electricity Substation	1995 - 1996	82392
AN	358m NE	Electricity Substation	1977 - 1984	79372
AO	366m SE	Gas Works	1912	84675



ID	Location	Land use	Dates present	Group ID
AO	369m SE	Gas Works	1874 - 1899	75957
AN	369m NE	Electricity Substation	1987 - 1991	83342
AO	376m SE	Gasometer	1899 - 1912	66773
AP	379m SE	Electricity Substation	1992	60113
AO	391m SE	Gasometer	1874	59543
AP	393m SE	Electricity Substation	1996	60112
AR	397m E	Electricity Substation	1973	60114
AR	436m E	Electricity Substation	1996	60111
11	463m S	Electricity Substation	1984 - 1994	82829

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	7
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
K	On site	Garage	1973	22500
K	On site	Garage	1990 - 1992	25580



ID	Location	Land use	Dates present	Group ID
K	On site	Garage	1984 - 1988	25937
M	On site	Garage	1960	21237
M	On site	Garage	1995 - 1999	25563
AB	160m SE	Garage	1960 - 1976	25748
AB	161m SE	Garage	1984 - 1995	26241

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

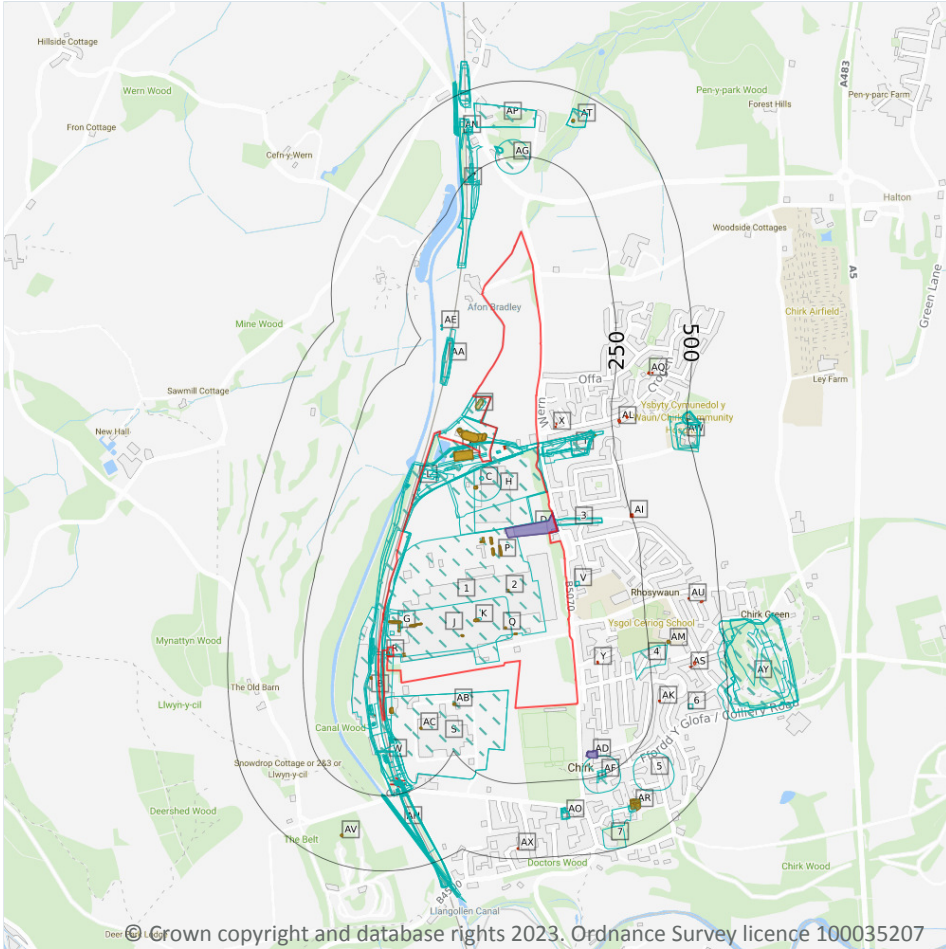
0

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

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



2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

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

2.1 Historical industrial land uses

Records within 500m **244**

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 28](#) >

ID	Location	Land Use	Date	Group ID
1	On site	Industrial Estate	1992	806982
A	On site	Unspecified Wharf	1899	964701
A	On site	Railway Sidings	1899	972700

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Wharf	1873	985567
A	On site	Railway Building	1873	819055
A	On site	Railway Sidings	1873	956252
A	On site	Sewage Works	1992	889238
A	On site	Sewage Works	1977	882631
A	On site	Railway Building	1949	964873
A	On site	Railway Buildings	1949	833435
A	On site	Unspecified Pit	1949	929188
A	On site	Railway Building	1898	876367
A	On site	Railway Building	1898	819054
A	On site	Railway Building	1954	883860
A	On site	Unspecified Pit	1954	962468
A	On site	Unspecified Pit	1914	932992
A	On site	Railway Building	1914	967473
A	On site	Railway Building	1914	964873
A	On site	Unspecified Pit	1914	932992
B	On site	Railway Sidings	1899	873627
C	On site	Unspecified Wharf	1949	979687
C	On site	Unspecified Wharf	1914	970678
C	On site	Unspecified Wharf	1914	970678
D	On site	Cuttings	1949	850418
E	On site	Cuttings	1954	984811
E	On site	Cuttings	1914	962939
F	On site	Unspecified Works	1992	953150
F	On site	Unspecified Works	1977	956367
F	On site	Sewage Works	1949	916333
F	On site	Unspecified Commercial/Industrial	1954	796373
G	On site	Unspecified Tanks	1992	970031



ID	Location	Land Use	Date	Group ID
G	On site	Unspecified Tanks	1992	814802
G	On site	Unspecified Tanks	1992	814803
G	On site	Unspecified Tanks	1977	961537
H	On site	Unspecified Commercial/Industrial	1992	796372
H	On site	Unspecified Factory	1977	821282
H	On site	Unspecified Wharf	1954	886616
I	On site	Railway Sidings	1992	899905
I	On site	Cuttings	1873	795149
J	On site	Unspecified Factory	1977	821277
K	On site	Unspecified Tanks	1977	814805
L	On site	Railway Sidings	1949	847200
L	On site	Railway Sidings	1898	891073
M	On site	Tramway Sidings	1954	821501
M	On site	Railway Sidings	1914	951325
N	On site	Railway Buildings	1954	833424
N	On site	Railway Building	1954	819053
N	On site	Railway Buildings	1954	833438
S	6m SW	Unspecified Commercial/Industrial	1992	796374
S	6m SW	Unspecified Factory	1977	821276
F	7m N	Unspecified Tanks	1949	987154
B	7m SW	Industrial Estate	1992	806980
3	9m E	Cuttings	1949	962939
F	10m N	Unspecified Tanks	1954	987154
T	12m NE	Unspecified Wharf	1899	879044
T	12m NE	Railway Sidings	1899	949166
U	13m SW	Railway Buildings	1899	892080
U	14m SW	Railway Buildings	1949	925767
U	14m SW	Railway Buildings	1898	910687



ID	Location	Land Use	Date	Group ID
T	15m NE	Unspecified Wharf	1949	933980
T	15m NE	Unspecified Wharf	1898	879044
T	15m NE	Unspecified Wharf	1873	987321
U	17m SW	Engine Shed	1914	817777
A	18m N	Unspecified Tanks	1992	852116
A	18m N	Unspecified Tanks	1977	990233
U	21m SW	Engine Sheds	1954	833302
U	22m SW	Railway Buildings	1914	918573
N	24m NW	Railway Building	1898	935296
A	27m N	Unspecified Tanks	1992	957730
A	27m N	Unspecified Tanks	1977	947373
N	27m NW	Railway Building	1899	935296
N	28m NW	Railway Building	1914	861183
V	28m SE	Police Station	1992	848980
V	28m SE	Police Station	1977	919541
I	28m SW	Railway Building	1949	921506
I	28m SW	Railway Building	1898	969687
N	28m NW	Railway Building	1949	922325
I	28m SW	Engine Shed	1949	936671
I	28m SW	Railway Building	1898	955253
I	29m SW	Railway Building	1899	955253
I	30m SW	Railway Building	1899	969687
N	31m NW	Railway Building	1954	922325
T	31m NE	Railway Sidings	1873	901214
T	31m NE	Railway Sidings	1914	936992
I	34m SW	Engine Shed	1914	936671
A	34m N	Unspecified Tank	1977	865589
I	35m SW	Railway Building	1914	908125



ID	Location	Land Use	Date	Group ID
A	36m N	Unspecified Tank	1992	845604
I	36m SW	Engine Shed	1954	962643
W	41m SW	Railway Sidings	1977	930897
W	59m SW	Goods Shed	1954	937579
W	59m SW	Goods Shed	1949	982493
W	59m SW	Railway Building	1898	861358
W	60m SW	Goods Shed	1914	894660
W	63m SW	Railway Building	1899	861358
Z	87m N	Railway Sidings	1949	971719
Z	87m N	Railway Sidings	1898	972037
W	90m SW	Railway Sidings	1873	963004
AA	95m N	Cuttings	1873	989091
Z	95m N	Tramway Sidings	1954	821500
Z	98m N	Railway Sidings	1914	940242
AA	100m N	Cuttings	1992	873174
AA	100m N	Cuttings	1977	863887
AA	100m N	Cuttings	1914	963926
W	101m SW	Railway Sidings	1914	930636
AA	102m N	Cuttings	1949	963926
AA	102m N	Cuttings	1954	873334
W	106m SW	Railway Sidings	1914	930636
W	106m SW	Railway Sidings	1898	857046
T	108m NE	Unspecified Wharf	1954	847083
T	108m NE	Unspecified Wharf	1914	989626
T	108m NE	Unspecified Wharf	1914	989626
W	113m SW	Railway Building	1954	909117
W	115m SW	Railway Building	1914	941741
W	117m SW	Railway Building	1899	909117



ID	Location	Land Use	Date	Group ID
W	117m SW	Railway Building	1914	909117
W	117m SW	Railway Building	1898	909117
T	162m NE	Railway Building	1954	819067
Z	163m N	Railway Sidings	1992	969836
Z	163m N	Railway Sidings	1977	848707
AE	167m N	Unspecified Disused Kilns	1992	861037
AE	167m N	Unspecified Disused Kilns	1977	933433
AE	173m N	Unspecified Disused Kilns	1992	918397
AE	173m N	Unspecified Disused Kilns	1977	895805
Z	175m N	Unspecified Ground Workings	1977	799181
W	184m S	Railway Building	1873	819052
AF	185m SE	Police Station	1914	880652
AG	193m N	Sand Pit	1898	858694
4	196m SE	Nursery	1977	831646
W	201m S	Railway Station	1954	970695
W	205m S	Railway Station	1992	896911
W	205m S	Railway Station	1977	955454
W	206m S	Unspecified Station	1914	843701
W	207m S	Railway Station	1899	845599
W	207m S	Railway Station	1914	845599
W	207m S	Railway Station	1898	845599
W	218m S	Railway Station	1873	891668
Z	223m N	Railway Building	1873	819066
Z	228m N	Goods Sheds	1992	893778
Z	228m N	Goods Sheds	1977	847143
W	231m S	Railway Building	1873	958281
Z	231m N	Goods Shed	1914	897572
Z	232m N	Goods Shed	1954	888499



ID	Location	Land Use	Date	Group ID
Z	233m N	Goods Shed	1949	888499
AF	233m SE	Police Station	1954	856896
W	233m S	Railway Building	1914	943202
W	233m S	Railway Building	1899	848724
W	233m S	Railway Building	1914	943202
W	233m S	Railway Building	1898	906600
AF	239m SE	Police Station	1914	911049
AF	239m SE	Police Station	1899	937350
AH	245m S	Tunnel	1992	985896
AH	245m S	Tunnel	1977	904459
AH	245m S	Tunnel	1954	904459
AJ	250m S	Tunnel	1914	909433
AJ	250m S	Tunnel	1899	909433
AJ	250m S	Tunnel	1914	973872
AJ	250m S	Tunnel	1898	855399
AJ	251m S	Tunnel	1873	912508
AJ	252m S	Cuttings	1992	954526
AJ	252m S	Cuttings	1977	888282
AJ	252m S	Cuttings	1954	888282
Z	254m N	Railway Building	1898	819065
AJ	255m S	Cuttings	1914	932792
AH	256m S	Cuttings	1898	892328
AJ	257m S	Cuttings	1873	889656
AJ	257m S	Cuttings	1899	892328
AJ	261m S	Cuttings	1914	899722
AG	269m N	Sand Pit	1914	871069
AG	269m N	Sand Pit	1949	892895
AG	269m N	Sand Pit	1954	871467



ID	Location	Land Use	Date	Group ID
5	271m SE	Police Station	1898	832473
AM	312m SE	Unspecified Tank	1992	823669
AN	338m N	Unspecified Pit	1949	838886
AO	339m S	Smithy	1914	850199
AO	341m S	Smithy	1914	966303
AO	342m S	Smithy	1873	946692
AO	343m S	Smithy	1899	963103
AO	346m S	Smithy	1898	925765
AP	347m N	Nursery	1994	942959
AP	347m N	Nursery	1974	922936
AP	347m N	Nursery	1985	942959
AN	362m N	Railway Station	1873	900276
AR	364m SE	Unspecified Commercial/Industrial	1914	796371
AR	365m SE	Gas Works	1914	858726
AR	366m SE	Gas Works	1899	849279
AN	366m N	Railway Building	1992	819064
6	367m SE	Fire Station	1977	793957
AR	369m SE	Gas Works	1898	849279
AN	370m N	Railway Station	1898	900276
AR	370m SE	Gas Works	1873	951561
AR	376m SE	Unspecified Tank	1954	961032
AN	378m N	Tunnel	1873	957834
AR	379m SE	Gasometers	1914	806922
AR	381m SE	Gasometer	1899	897809
AR	382m SE	Unspecified Tank	1914	961032
AR	382m SE	Gasometer	1898	897809
AR	382m SE	Unspecified Tank	1954	917671
AN	383m N	Tunnel	1949	971356



ID	Location	Land Use	Date	Group ID
AR	383m SE	Gasometer	1873	904086
AN	385m N	Tunnel	1914	852801
AT	385m N	Unspecified Works	1994	881439
AT	385m N	Unspecified Works	1974	913532
AT	385m N	Unspecified Works	1985	881439
AR	386m SE	Unspecified Tank	1914	857051
AN	387m N	Tunnel	1954	989922
AN	390m N	Tunnel	1992	889052
AN	390m N	Tunnel	1977	898856
AN	393m N	Tunnel	1898	852801
AN	396m N	Cuttings	1960	795151
AN	400m N	Railway Building	1898	819063
AT	400m N	Unspecified Tank	1994	991081
AT	400m N	Unspecified Tank	1974	933670
AT	400m N	Unspecified Tank	1985	991081
AN	405m N	Tunnel	1994	889052
AN	405m N	Tunnel	1974	898856
AN	405m N	Tunnel	1985	889052
AN	406m N	Tunnel	1960	970729
7	425m SE	Grave Yard	1873	817167
AW	442m NE	Hospital	1992	881138
AN	444m N	Cuttings	1873	949003
AN	451m N	Cuttings	1960	850409
AW	456m NE	Hospital	1949	905429
AN	459m N	Cuttings	1914	904458
AW	460m NE	Hospital	1954	905429
AN	463m N	Cuttings	1949	904458
AN	463m N	Cuttings	1898	958606



ID	Location	Land Use	Date	Group ID
AY	466m SE	Colliery	1899	952346
AW	468m NE	Hospital	1977	953069
AZ	484m NE	Unspecified Heap	1914	960965
AZ	484m NE	Unspecified Heap	1914	960965
AZ	484m NE	Unspecified Heap	1949	969044
AZ	485m NE	Unspecified Heap	1954	947513
AY	488m SE	Disused Colliery	1949	878809
AY	488m SE	Colliery	1898	958327
AN	489m N	Railway Buildings	1960	937876
AY	490m E	Colliery	1914	885766
AY	490m E	Colliery	1914	885766
AY	490m SE	Disused Colliery	1954	878809
AY	490m E	Railway Sidings	1914	875917
AZ	491m NE	Unspecified Heap	1992	869575
AZ	491m NE	Unspecified Heap	1977	853628
AN	492m N	Railway Station	1914	822835
AN	493m N	Railway Buildings	1949	937876

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	155
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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 28 >](#)

ID	Location	Land Use	Date	Group ID
2	On site	Unspecified Tank	1988	109716
A	On site	Tanks	1973	144330
A	On site	Tanks	1984	146880



ID	Location	Land Use	Date	Group ID
A	On site	Tanks	1988	146880
A	On site	Tanks	1990	146880
C	On site	Unspecified Tank	1984	144110
C	On site	Unspecified Tank	1988	144110
C	On site	Unspecified Tank	1992	144110
C	On site	Unspecified Tank	1990	144110
C	On site	Unspecified Tank	1999	123548
C	On site	Unspecified Tank	1995	123548
C	On site	Unspecified Tank	1995	123548
G	On site	Tanks	1973	132881
G	On site	Tanks	1973	104460
G	On site	Tanks	1973	132118
G	On site	Tanks	1973	104462
G	On site	Tanks	1984	134646
G	On site	Unspecified Tank	1984	109164
G	On site	Tanks	1984	132881
G	On site	Unspecified Tank	1984	139633
G	On site	Tanks	1988	134646
G	On site	Tanks	1988	132881
G	On site	Unspecified Tank	1988	139633
G	On site	Tanks	1992	132635
G	On site	Tanks	1992	140084
G	On site	Tanks	1990	140084
G	On site	Tanks	1990	132635
G	On site	Tanks	1999	133964
G	On site	Tanks	1999	140867
G	On site	Tanks	1999	131684
G	On site	Tanks	1995	133964



ID	Location	Land Use	Date	Group ID
G	On site	Tanks	1995	140867
G	On site	Tanks	1995	131684
G	On site	Tanks	1995	140867
G	On site	Tanks	1995	131684
G	On site	Tanks	1995	133964
J	On site	Unspecified Tank	1984	123266
J	On site	Unspecified Tank	1988	123266
J	On site	Unspecified Tank	1992	123266
J	On site	Unspecified Tank	1990	123266
J	On site	Unspecified Tank	1999	123266
J	On site	Unspecified Tank	1995	123266
J	On site	Unspecified Tank	1995	123266
K	On site	Tanks	1973	124380
K	On site	Tanks	1984	124032
K	On site	Tanks	1988	124032
K	On site	Tanks	1992	124032
K	On site	Tanks	1990	124032
K	On site	Tanks	1999	124032
K	On site	Tanks	1995	124032
K	On site	Tanks	1995	124032
O	On site	Unspecified Tank	1984	109163
O	On site	Unspecified Tank	1988	109162
P	On site	Unspecified Tank	1988	109161
P	On site	Tanks	1988	140561
P	On site	Tanks	1988	139873
P	On site	Tanks	1992	124875
P	On site	Tanks	1992	139873
P	On site	Tanks	1992	140561



ID	Location	Land Use	Date	Group ID
P	On site	Unspecified Tank	1992	128937
P	On site	Tanks	1990	140561
P	On site	Tanks	1990	139873
P	On site	Unspecified Tank	1990	128937
P	On site	Tanks	1990	124875
P	On site	Tanks	1999	130928
P	On site	Tanks	1999	140561
P	On site	Tanks	1999	139873
P	On site	Tanks	1999	134099
P	On site	Tanks	1999	143487
P	On site	Tanks	1995	143487
P	On site	Tanks	1995	130928
P	On site	Tanks	1995	140561
P	On site	Tanks	1995	139873
P	On site	Tanks	1995	134099
P	On site	Tanks	1995	130928
P	On site	Tanks	1995	139873
P	On site	Tanks	1995	134099
P	On site	Tanks	1995	140561
P	On site	Tanks	1995	143487
Q	On site	Unspecified Tank	1988	127585
Q	On site	Unspecified Tank	1992	127585
Q	On site	Unspecified Tank	1992	144401
Q	On site	Unspecified Tank	1990	144401
Q	On site	Unspecified Tank	1990	127585
Q	On site	Unspecified Tank	1995	124017
Q	On site	Unspecified Tank	1995	144401
Q	On site	Unspecified Tank	1995	124017



ID	Location	Land Use	Date	Group ID
Q	On site	Unspecified Tank	1995	144401
F	7m N	Tanks	1960	104475
A	15m N	Tanks	1992	123316
A	16m N	Tanks	1984	123756
A	16m N	Tanks	1988	123756
A	16m N	Tanks	1990	123756
A	16m N	Tanks	1973	124559
I	19m SW	Tanks	1999	148501
I	19m SW	Tanks	1995	148501
I	19m SW	Tanks	1995	148501
I	19m SW	Tanks	1973	137191
I	21m SW	Tanks	1973	143771
B	21m SW	Unspecified Tank	1999	133345
B	21m SW	Unspecified Tank	1995	133345
B	21m SW	Unspecified Tank	1995	133345
I	22m SW	Tanks	1984	137526
I	22m SW	Tanks	1988	137526
I	22m SW	Tanks	1992	137526
I	22m SW	Tanks	1990	137526
B	22m SW	Unspecified Tank	1992	144676
B	22m SW	Unspecified Tank	1990	144676
A	27m N	Tanks	1973	141306
A	28m N	Tanks	1999	126449
A	28m N	Tanks	1995	126449
A	28m N	Tanks	1995	126449
A	32m N	Unspecified Tank	1999	145022
A	32m N	Unspecified Tank	1995	127791
A	32m N	Unspecified Tank	1995	127791



ID	Location	Land Use	Date	Group ID
A	33m N	Unspecified Tank	1984	149208
A	33m N	Unspecified Tank	1988	149208
A	33m N	Unspecified Tank	1990	149208
A	33m N	Unspecified Tank	1973	127791
A	42m N	Unspecified Tank	1984	144326
A	42m N	Unspecified Tank	1994	142651
AB	96m S	Unspecified Tank	1973	137328
AB	97m S	Unspecified Tank	1999	137328
AB	97m S	Unspecified Tank	1995	137328
AB	97m S	Unspecified Tank	1995	137328
AB	97m S	Unspecified Tank	1984	137328
AB	97m S	Unspecified Tank	1988	137328
AB	97m S	Unspecified Tank	1992	137328
AB	97m S	Unspecified Tank	1990	137328
AC	119m S	Unspecified Tank	1973	127216
AC	121m S	Unspecified Tank	1984	133225
AC	121m S	Unspecified Tank	1988	133225
AC	121m S	Unspecified Tank	1992	133225
AC	121m S	Unspecified Tank	1990	133225
T	190m NE	Unspecified Tank	1912	109719
AM	312m SE	Unspecified Tank	1984	130091
AM	312m SE	Unspecified Tank	1992	130091
AM	312m SE	Unspecified Tank	1996	130091
AM	312m SE	Unspecified Tank	1973	130091
AR	363m SE	Tanks	1912	104461
AR	366m SE	Gas Works	1912	147137
AR	366m SE	Tanks	1899	104459
AR	369m SE	Gas Works	1899	126132



ID	Location	Land Use	Date	Group ID
AR	376m SE	Gas Works	1874	133811
AR	376m SE	Gasometer	1912	148829
AR	380m SE	Gasometer	1899	148829
AR	382m SE	Unspecified Tank	1912	109720
AR	391m SE	Gasometer	1874	108350
AV	402m SW	Unspecified Tank	1960	145539
AV	402m SW	Unspecified Tank	1976	145539
AV	402m SW	Unspecified Tank	1994	145539
AT	402m N	Unspecified Tank	1996	137443
AT	402m N	Unspecified Tank	1990	137443
AT	402m N	Unspecified Tank	1990	137443
AT	404m N	Unspecified Tank	1960	137443

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	65
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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 28 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Gas Governor	1988	81205
A	On site	Gas Governor	1992	81205
A	On site	Gas Governor	1990	81205
A	On site	Gas Governor	1999	71998
A	On site	Gas Governor	1995	71998
A	On site	Gas Governor	1995	71998
G	On site	Electricity Substation	1992	79002
G	On site	Electricity Substation	1999	79622



ID	Location	Land Use	Date	Group ID
G	On site	Electricity Substation	1995	79622
G	On site	Electricity Substation	1995	79622
R	2m SW	Electricity Substation	1984	67507
R	2m SW	Electricity Substation	1988	67507
R	2m SW	Electricity Substation	1992	67507
R	2m SW	Electricity Substation	1990	67507
R	3m SW	Electricity Substation	1999	67351
R	3m SW	Electricity Substation	1995	67351
R	3m SW	Electricity Substation	1995	67351
R	4m SW	Electricity Substation	1973	67507
I	24m SW	Electricity Substation	1984	79812
I	24m SW	Electricity Substation	1988	79812
I	24m SW	Electricity Substation	1992	79812
I	24m SW	Electricity Substation	1990	79812
I	28m SW	Electricity Substation	1999	64823
I	28m SW	Electricity Substation	1995	64823
I	28m SW	Electricity Substation	1995	64823
X	62m NE	Electricity Substation	1994	59957
X	65m NE	Electricity Substation	1984	59958
Y	75m SE	Electricity Substation	1992	81789
Y	75m SE	Electricity Substation	1996	81789
AI	246m E	Electricity Substation	1973	84554
AI	246m E	Electricity Substation	1996	84554
AI	247m E	Electricity Substation	1984	84554
AI	247m E	Electricity Substation	1992	84554
AK	268m SE	Electricity Substation	1973	83737
AK	268m SE	Electricity Substation	1996	74270
AK	269m SE	Electricity Substation	1984	74270



ID	Location	Land Use	Date	Group ID
AK	269m SE	Electricity Substation	1992	74270
AL	271m NE	Electricity Substation	1996	74181
AL	271m NE	Electricity Substation	1995	74181
AL	271m NE	Electricity Substation	1995	74181
AL	297m NE	Electricity Substation	1987	74359
AL	297m NE	Electricity Substation	1991	74359
AL	299m NE	Electricity Substation	1977	74359
AL	299m NE	Electricity Substation	-	59448
AL	299m NE	Electricity Substation	1984	74359
AQ	357m NE	Electricity Substation	-	59493
AQ	357m NE	Electricity Substation	1996	82392
AQ	357m NE	Electricity Substation	1995	82392
AQ	357m NE	Electricity Substation	1995	82392
AQ	357m NE	Electricity Substation	1995	82392
AQ	358m NE	Electricity Substation	1984	79372
AQ	358m NE	Electricity Substation	1977	79372
AR	366m SE	Gas Works	1912	84675
AR	369m SE	Gas Works	1899	75957
AQ	369m NE	Electricity Substation	1987	83342
AQ	369m NE	Electricity Substation	1991	83342
AR	376m SE	Gas Works	1874	75957
AR	376m SE	Gasometer	1912	66773
AS	379m SE	Electricity Substation	1992	60113
AR	380m SE	Gasometer	1899	66773
AR	391m SE	Gasometer	1874	59543
AS	393m SE	Electricity Substation	1996	60112
AU	397m E	Electricity Substation	1973	60114
AU	436m E	Electricity Substation	1996	60111
AX	463m S	Electricity Substation	1994	82829



ID	Location	Land Use	Date	Group ID
AX	464m S	Electricity Substation	1984	82829

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. 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	15
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 28 >](#)

ID	Location	Land Use	Date	Group ID
D	On site	Garage	1988	25937
D	On site	Garage	1992	25580
D	On site	Garage	1990	25580
D	On site	Garage	1973	22500
D	On site	Garage	1984	25937
E	On site	Garage	1999	25563
E	On site	Garage	1995	25563
E	On site	Garage	1995	25563
E	On site	Garage	1960	21237
AD	160m SE	Garage	1960	25748
AD	160m SE	Garage	1976	25748
AD	161m SE	Garage	1995	26241



ID	Location	Land Use	Date	Group ID
AD	161m SE	Garage	1995	26241
AD	163m SE	Garage	1984	26241
AD	163m SE	Garage	1990	26241

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 48 >](#)

ID	Location	Details		
1	10m SW	Site Address: Kronospan Railway Cutting, Chirk Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

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

6

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.

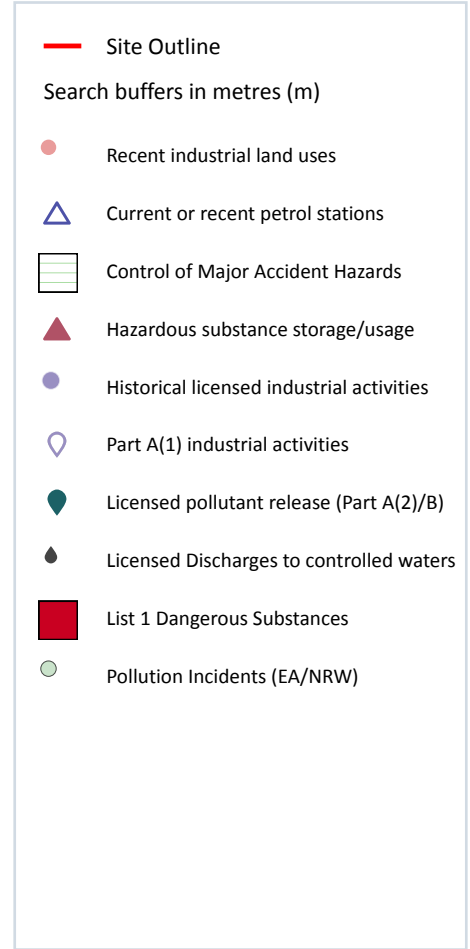
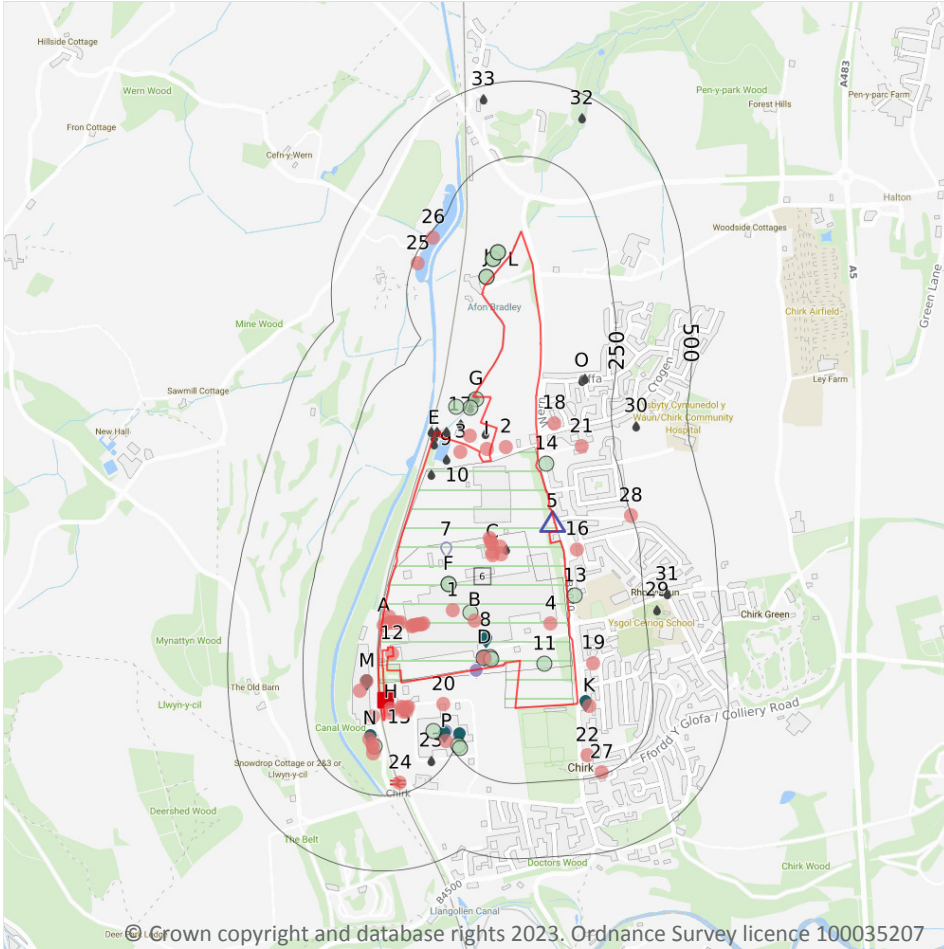
Features are displayed on the Waste and landfill map on [page 48 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	CHIRK, WREXHAM, LL14 5NT	WEX125153	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	On site	CHIRK, WREXHAM, LL14 5NT	WEX352515	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	79m N	Lodge Farm, Black Park, Chirk, Wrexham, Wreccsam, LL14 5AU	NRW-WME048514	Using waste exemption	Waste Exemption - Agricultural and Non-Agricultural	Use of waste in construction
B	79m N	Lodge Farm, Black Park, Chirk, Wrexham, Wreccsam, LL14 5AU	NRW-WME048514	Disposing of waste exemption	Waste Exemption - Agricultural and Non-Agricultural	Burning waste in the open
B	79m N	Afon Bradley Farm, Black Park, Chirk, Wrexham, Wreccsam, LL145AU	NRW-WME030282	Using waste exemption	Waste Exemption - Agricultural and Non-Agricultural	Use of waste in construction
B	79m N	Afon Bradley Farm, Black Park, Chirk, Wrexham, Wreccsam, LL145AU	NRW-WME030282	Disposing of waste exemption	On a farm	Burning waste in the open

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

59

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 51](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Factory	Clwyd, LL14	Unspecified Works Or Factories	Industrial Features
2	On site	Gas Governor Station	Clwyd, LL14	Gas Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
3	On site	Slurry Bed	Clwyd, LL14	Waste Storage, Processing and Disposal	Infrastructure and Facilities
4	On site	Gas Distribution Station	Clwyd, LL14	Gas Features	Infrastructure and Facilities
A	On site	Chimney	Clwyd, LL14	Chimneys	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
A	On site	Electricity Sub Station	Clwyd, LL14	Electrical Features	Infrastructure and Facilities
B	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
C	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
C	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
C	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
C	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
C	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
C	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
C	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
C	On site	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
D	On site	Kronospan	-, Holyhead Road, Chirk, Wrexham, Clwyd, LL14 5NT	Wood Products Including Charcoal, Paper, Card and Board	Industrial Products
12	5m SW	Electricity Sub Station	Clwyd, LL14	Electrical Features	Infrastructure and Facilities
I	14m N	Mast	Clwyd, LL14	Telecommunications Features	Infrastructure and Facilities
H	21m SW	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
H	22m SW	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
15	32m SW	Electricity Sub Station	Clwyd, LL14	Electrical Features	Infrastructure and Facilities
I	33m N	Sewage Treatment	Clwyd, LL14	Waste Storage, Processing and Disposal	Infrastructure and Facilities
K	39m SE	Telephone Exchange	Clwyd, LL14	Telecommunications Features	Infrastructure and Facilities
M	39m SW	Richard Burbidge Ltd	Burbidge House, Chirk, Wrexham, Clwyd, LL14 5RL	Access Equipment	Industrial Products
16	45m E	S L P Education	Shop 23, West View, Chirk, Wrexham, Clwyd, LL14 5HL	Published Goods	Industrial Products
H	59m SW	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
18	60m NE	Electricity Sub Station	Clwyd, LL14	Electrical Features	Infrastructure and Facilities
19	62m SE	Electricity Sub Station	Clwyd, LL14	Electrical Features	Infrastructure and Facilities
H	63m SW	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
M	66m SW	Atkinson & Kirby	Canal Wood Industrial Estate, Chirk, Wrexham, Clwyd, LL14 5RL	Carpets, Flooring, Rugs and Soft Furnishings	Consumer Products
H	67m SW	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
H	74m SW	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
N	76m SW	Hallbeck Engineering Ltd	Unit 6, Canal Wood Industrial Estate, Chirk, Wrexham, Clwyd, LL14 5RL	Vehicle Repair, Testing and Servicing	Repair and Servicing
H	76m SW	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features
H	82m SW	Tank	Clwyd, LL14	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
N	86m SW	Counties Autolec Ltd	Unit 4-5 Canal Wood Industrial Estate, Chirk, Wrexham, Clwyd, LL14 5RL	Vehicle Repair, Testing and Servicing	Repair and Servicing
20	94m S	Chimney	Clwyd, LL14	Chimneys	Industrial Features
N	95m SW	Oak Ledged Doors	Unit 3, Canal Wood Industrial Estate, Chirk, Wrexham, Clwyd, LL14 5RL	General Construction Supplies	Industrial Products
N	114m SW	Chirk Auto Paints Ltd	Unit 1, Canal Wood Industrial Estate, Chirk, Wrexham, Clwyd, LL14 5RL	Paints, Varnishes and Lacquers	Industrial Products
21	143m NE	Upper Wharf	Clwyd, LL14	Moorings and Unloading Facilities	Water
22	173m SE	Chirk Service Station	-, Holyhead Road, Chirk, Wrexham, Clwyd, LL14 5NA	Vehicle Parts and Accessories	Motoring
24	214m S	Chirk Rail Station	Clwyd, LL14	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
P	216m S	Factory	Clwyd, LL14	Unspecified Works Or Factories	Industrial Features
25	233m N	Marine Services Chirk	Chirk Marina, -, Chirk, Wrexham, Clwyd, LL14 5AD	Moorings and Unloading Facilities	Water
26	234m N	Marina	Clwyd, LL14	Moorings and Unloading Facilities	Water
27	241m SE	Cabs Are Here	3, Colliery Road, Chirk, Wrexham, Clwyd, LL14 5PA	Airlines and Airline Services	Transport, Storage and Delivery
28	248m E	Electricity Sub Station	Clwyd, LL14	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 51 >](#)

ID	Location	Company	Address	LPG	Status
5	On site	Q8	Holyhead Road, Chirk, Wrexham, Wrexham, LL14 5HP	Not Applicable	Obsolete



This data is sourced from Experian.

4.3 Electricity cables

Records within 500m **0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m **0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m **0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m **2**

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

Features are displayed on the Current industrial land use map on [page 51 >](#)

ID	Location	Company	Address	Operational status	Tier
6	On site	Kronospan Limited	Kronospan Limited, Chirk, Holyhead Road, Chirk, Clwyd, LL14 5NT	Current COMAH Site	COMAH Upper Tier Operator
B	On site	Kronospan Limited	Kronospan Limited, Chirk, Holyhead Road, Chirk, Clwyd, LL14 5NT	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

1

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

Features are displayed on the Current industrial land use map on [page 51 >](#)

ID	Location	Details	
D	On site	Application reference number: CB/1999/3633 Application status: Approved Application date: 01/09/1999 Address: Kronospan Ltd, Holyhead Road, Chirk, Wrexham, Clwyd, Wales, LL14 5NT	Details: Deemed Hazardous Substance Consent. 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

7

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

Features are displayed on the Current industrial land use map on [page 51 >](#)

ID	Location	Details	
D	1m S	Operator: Kronospan Ltd Address: Hollyhead Road, Chirk, Wrexham, Clwyd, LL14 5NT Process: Manufacture And Use Of Organic Chemicals Permit Number: AK4877	Original Permit Number: IPCAIRAPP Date Approved: 22-2-1994 Effective Date: 27-2-1994 Status: Superseded By Variation
D	1m S	Operator: Kronospan Ltd Address: Hollyhead Road, Chirk, Wrexham, Clwyd, LL14 5NT Process: Manufacture And Use Of Organic Chemicals Permit Number: AZ1710	Original Permit Number: IPCMAJVAR Date Approved: 8-12-1997 Effective Date: 22-12-1997 Status: Superseded By Variation



ID	Location	Details	
D	1m S	Operator: Kronospan Ltd Address: Hollyhead Road, Chirk, Wrexham, Clwyd, LL14 5NT Process: Manufacture And Use Of Organic Chemicals Permit Number: BE0252	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
P	181m S	Operator: Cadbury Schweppes Plc Address: Station Avenue, Chirk, LL14 5LT Process: Treating/processing Of Animal/veg Matter Permit Number: AY8492	Original Permit Number: IPCAPP Date Approved: 20-10-1997 Effective Date: 27-10-1997 Status: Superseded By Variation
P	181m S	Operator: Cadbury Schweppes Plc Address: Station Avenue, Chirk, LL14 5LT Process: Treating/processing Of Animal/veg Matter Permit Number: BD9769	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
P	181m S	Operator: Cadbury Schweppes Plc Address: Station Avenue, Chirk, LL14 5LT Process: Treating/processing Of Animal/veg Matter Permit Number: BH3924	Original Permit Number: IPCMAJVAR Date Approved: 12-4-2000 Effective Date: 17-4-2000 Status: Superseded By Variation
P	181m S	Operator: Cadbury Schweppes Plc Address: Station Avenue, Chirk, LL14 5LT Process: Treating/processing Of Animal/veg Matter Permit Number: BM2012	Original Permit Number: IPCMINVAR Date Approved: 30-1-2003 Effective Date: 5-2-2003 Status: Revoked - Now Ippc

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

32

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 51 >](#)

ID	Location	Details	
7	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK, PARTICLEBOARD Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BW9999IG Original Permit Number: BW9999IG	EPR Reference: - Issue Date: 17/09/2004 Effective Date: 17/09/2004 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	On site	Operator: Kronospan Ltd Installation Name: Chirk Particleboard Factory Process: - Permit Number: BW9999IG Original Permit Number: -	EPR Reference: - Issue Date: 04/10/2022 Effective Date: 04/10/2022 Last date noted as effective: 25/05/2023 Status: Effective



ID	Location	Details	
D	On site	Operator: Kronospan Ltd Installation Name: Chirk Particleboard Factory Process: - Permit Number: BW9999IG Original Permit Number: -	EPR Reference: - Issue Date: 04/10/2022 Effective Date: 04/10/2022 Last date noted as effective: 25/05/2023 Status: Effective
D	On site	Operator: Kronospan Ltd Installation Name: Chirk Particleboard Factory Process: - Permit Number: BW9999IG Original Permit Number: -	EPR Reference: - Issue Date: 04/10/2022 Effective Date: 04/10/2022 Last date noted as effective: 25/05/2023 Status: Effective
D	On site	Operator: Kronospan Ltd Installation Name: Chirk Particleboard Factory Process: - Permit Number: BW9999IG Original Permit Number: -	EPR Reference: - Issue Date: 04/10/2022 Effective Date: 04/10/2022 Last date noted as effective: 25/05/2023 Status: Effective
D	On site	Operator: Kronospan Ltd Installation Name: Chirk Particleboard Factory Process: - Permit Number: BW9999IG Original Permit Number: -	EPR Reference: - Issue Date: 04/10/2022 Effective Date: 04/10/2022 Last date noted as effective: 25/05/2023 Status: Effective
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK PARTICLEBOARD EPR/BW9999IG Process: PRODUCING ORGANIC CHEMICALS SUCH AS: (II) ORGANIC COMPOUNDS CONTAINING OXYGEN SU... Permit Number: BW9999IG Original Permit Number: XP3830HX	EPR Reference: - Issue Date: 01/02/2016 Effective Date: 01/02/2016 Last date noted as effective: 30/11/2017 Status: EFFECTIVE
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK PARTICLEBOARD FACTORY Process: PRODUCING ORGANIC CHEMICALS SUCH AS: (II) ORGANIC COMPOUNDS CONTAINING OXYGEN SU... Permit Number: BW9999IG Original Permit Number: XP3830HX	EPR Reference: - Issue Date: 30/11/2017 Effective Date: 30/11/2017 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK PARTICLEBOARD FACTORY Process: PRODUCING ORGANIC CHEMICALS SUCH AS: (II) ORGANIC COMPOUNDS CONTAINING OXYGEN (FOR EXAMPLE ALCOHOLS, ALDEHYDES, KETONES, CARBOXYLIC ACIDS, ESTERS, ETHERS, PEROXIDES, PHENOLS, EPOXY RESINS) Permit Number: BW9999IG Original Permit Number: XP3830HX	EPR Reference: - Issue Date: 30/11/2017 Effective Date: 30/11/2017 Last date noted as effective: 02/11/2022 Status: EFFECTIVE



ID	Location	Details	
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK PARTICLEBOARD EPR/BW9999IG Process: - Permit Number: BW9999IG Original Permit Number: -	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/04/2017 Status: DULY MADE
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK PARTICLEBOARD EPR/BW9999IG Process: - Permit Number: BW9999IG Original Permit Number: -	EPR Reference: - Issue Date: 01/02/2016 Effective Date: 01/02/2016 Last date noted as effective: 01/04/2017 Status: ISSUED
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK, PARTICLEBOARD Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: JP3037XX Original Permit Number: BW9999IG	EPR Reference: - Issue Date: 28/04/2009 Effective Date: 28/04/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK, PARTICLEBOARD Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: KP3735SC Original Permit Number: BW9999IG	EPR Reference: - Issue Date: 05/04/2006 Effective Date: 05/04/2006 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK, PARTICLEBOARD Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: WP3138TR Original Permit Number: BW9999IG	EPR Reference: - Issue Date: 22/06/2010 Effective Date: 22/06/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	On site	Operator: KRONOSPAN LTD Installation Name: CHIRK PARTICLEBOARD EPR/BW9999IG Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: XP3830HX Original Permit Number: BW9999IG	EPR Reference: - Issue Date: 08/12/2010 Effective Date: 08/12/2010 Last date noted as effective: 17/11/2015 Status: EFFECTIVE
D	1m S	Operator: KRONOSPAN LTD Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BW9999 Original Permit Number: BW9999	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS



ID	Location	Details	
D	1m S	Operator: KRONOSPAN HOLDINGS LTD Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BR7194 Original Permit Number: BR7194	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
P	208m S	Operator: CADBURY LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: SP3933XB Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 26/10/2007 Effective Date: 26/10/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: CADBURY LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: SP3933XB Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 26/10/2007 Effective Date: 26/10/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: CADBURY UK LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: GP3539XW Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 22/04/2008 Effective Date: 22/04/2008 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: CADBURY UK LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: GP3539XW Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 22/04/2008 Effective Date: 22/04/2008 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: CADBURY UK LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: GP3539XW Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 22/04/2008 Effective Date: 22/04/2008 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: CADBURY LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: BN3766IA Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 28/04/2006 Effective Date: 28/04/2006 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
P	208m S	Operator: CADBURY LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: BN3766IA Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 28/04/2006 Effective Date: 28/04/2006 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: CADBURY LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: BN3766IA Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 28/04/2006 Effective Date: 28/04/2006 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: CADBURY LTD Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: SP3933XB Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 26/10/2007 Effective Date: 26/10/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: KRAFT FOODS UK CONFECTIONARY PRODUCTION LIMITED Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: VP3838FA Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 23/09/2011 Effective Date: 23/09/2011 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: KRAFT FOODS UK CONFECTIONARY PRODUCTION LIMITED Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: VP3838FA Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 23/09/2011 Effective Date: 23/09/2011 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
P	208m S	Operator: KRAFT FOODS UK CONFECTIONARY PRODUCTION LIMITED Installation Name: CHIRK CONFECTIONERY PLANT Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: VP3838FA Original Permit Number: BN3766IA	EPR Reference: - Issue Date: 23/09/2011 Effective Date: 23/09/2011 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
P	208m S	Operator: KRAFT FOODS UK CONFECTIONARY PRODUCTION LIMITED Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: MP3934FL Original Permit Number: MP3934FL	EPR Reference: - Issue Date: 27/09/2011 Effective Date: 27/09/2011 Last date noted as effective: 01/04/2013 Status: TRANSFER EFFECTIVE
P	208m S	Operator: KRAFT FOODS UK CONFECTIONARY PRODUCTION LIMITED Installation Name: CHIRK CONFECTIONERY PLANT Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: MP3934FL Original Permit Number: MP3934FL	EPR Reference: - Issue Date: 27/09/2011 Effective Date: 27/09/2011 Last date noted as effective: 01/04/2013 Status: TRANSFER EFFECTIVE
P	208m S	Operator: KRAFT FOODS UK CONFECTIONARY PRODUCTION LIMITED Installation Name: CHIRK CONFECTIONERY PLANT Process: DEAD ANIMAL OR VEGETABLE MATTER; PROCESSING, STORING OR DRYING NOT OTHERWISE LISTED Permit Number: MP3934FL Original Permit Number: MP3934FL	EPR Reference: - Issue Date: 27/09/2011 Effective Date: 27/09/2011 Last date noted as effective: 01/04/2013 Status: TRANSFER 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	8
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Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 51 >](#)

ID	Location	Address	Details	
8	On site	Kronospan Ltd, Maesgwyn Farm, Holyhead Road, Chirk, Wrexham, LL14 5NT	Process: Timber Manufacture Status: Historical Permit Permit Type: Part A2	Enforcement: Enforcement Notified Date of enforcement: 30/03/2006 Comment: Wood processing
D	On site	Kronospan Ltd, Chirk Particleboard, Holyhead Road, Chirk, Wrexham, LL14 5NT	Process: Chemical & Acid Processes Status: Historical Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of enforcement: 30/03/2006 Comment: Wood processing



ID	Location	Address	Details	
D	On site	Rowan Foods, Ash Road South, Wrexham Industrial Estate, Wrexham, LL13 9UG	Process: Process Unkown Status: Historical Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of enforcement: 30/03/2006 Comment: Wood processing
K	26m SE	Petrol Filling Stations, Holyhead Road, Chirk, Wrexham, LL14 5NA	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified. Date of enforcement: No Enforcement Notified. Comment: No Enforcement Notified.
M	41m SW	Archwood Ltd, Canalwood Industrial Estate, Chirk, Wrexham, LL14 5RL	Process: Timber Manufacture Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified. Date of enforcement: No Enforcement Notified. Comment: No Enforcement Notified.
N	72m SW	Hallbeck Engineering Ltd, Unit 6, Canal Wood Industrial Est, Chirk, Wrexham, LL14 5RL	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcement Notified. Date of enforcement: No Enforcement Notified. Comment: No Enforcement Notified.
P	195m S	Mondelez UK Confectionery Production Ltd, Station Road, Chirk, Wrexham, LL14 5LT	Process: Vegetable Matter Drying Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified. Date of enforcement: No Enforcement Notified. Comment: No Enforcement Notified.
P	204m S	Cadbury Ltd, Cadbury Trebor Bassett, Station Avenue, Chirk, Wrexham, LL14 5LT	Process: Other waste disposal Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified. Date of enforcement: No Enforcement Notified. Comment: No Enforcement Notified.

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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



4.13 Licensed Discharges to controlled waters

Records within 500m

24

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 51 >](#)

ID	Location	Address	Details	
9	On site	CHIRK STATION IND ESTATE, CHIRK STATION IND ESTATE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: CM0091501 Permit Version: 0 Receiving Water: BRADLEY	Status: Effective Issue date: 15/07/1981 Effective Date: 15/07/1981 Revocation Date: -
10	On site	CADBURY LTD STATION AVENUE CHIRK WR, CADBURY LTD STATION AVENUE CHIRK, STATION AVENUE CHIRK WREXHAM, CHIRK WREXHAM, WREXHAM	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CM0043801 Permit Version: 2 Receiving Water: AFON BRADLEY	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 26/04/1993 Effective Date: 26/04/1993 Revocation Date: 28/04/2006
C	On site	HOLYHEAD ROAD CHIRK, CHIRK	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: CM0098901 Permit Version: 1 Receiving Water: AFON BRADLEY	Status: REVOKED AND REPLACED BY IPC AUTHORISATION Issue date: 01/06/1985 Effective Date: 01/06/1985 Revocation Date: 08/08/1994
E	On site	CHIRK WREXHAM, CHIRK WREXHAM, WREXHAM	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: CM0098001 Permit Version: 2 Receiving Water: AFON BRADLEY	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 09/09/1994 Effective Date: 09/09/1994 Revocation Date: 01/11/2004
E	On site	CHIRK WREXHAM, CHIRK WREXHAM, WREXHAM	Effluent Type: UNSPECIFIED Permit Number: CM0098001 Permit Version: 1 Receiving Water: AFON BRADLEY	Status: REVOKED - UNSPECIFIED Issue date: 16/10/1984 Effective Date: 16/10/1984 Revocation Date: 08/09/1994
E	1m NW	CADBURY LTD STATION AVENUE CHIRK WR, CADBURY LTD STATION AVENUE CHIRK, STATION AVENUE CHIRK WREXHAM, CHIRK WREXHAM, WREXHAM	Effluent Type: UNSPECIFIED Permit Number: CM0043801 Permit Version: 1 Receiving Water: AFON BRADLEY	Status: REVOKED - UNSPECIFIED Issue date: 30/09/1985 Effective Date: 30/09/1985 Revocation Date: 25/04/1993
G	5m N	RHOS Y WAUN STW (A)	Effluent Type: UNSPECIFIED Permit Number: CM0015402 Permit Version: 1 Receiving Water: BRADLEY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY Issue date: 09/04/1963 Effective Date: 09/04/1963 Revocation Date: 17/02/1986



ID	Location	Address	Details	
G	5m N	RHOS Y WAUN STW (A)	Effluent Type: UNSPECIFIED Permit Number: CM0015401 Permit Version: 1 Receiving Water: BRADLEY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY Issue date: 09/04/1963 Effective Date: 09/04/1963 Revocation Date: 17/02/1986
E	13m NW	CHIRK STATION IND ESTATE	Effluent Type: UNSPECIFIED Permit Number: CM0091601 Permit Version: 1 Receiving Water: BRADLEY BROOK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 16/09/1981 Effective Date: 16/09/1981 Revocation Date: 28/04/1993
G	13m N	RHOSYWAUN STW	Effluent Type: UNSPECIFIED Permit Number: CM0028301 Permit Version: 1 Receiving Water: BRADLEY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY Issue date: 20/03/1965 Effective Date: 20/03/1965 Revocation Date: 17/02/1986
E	18m N	CHIRK PUMPING STATION, WREXHAM	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CG0329703 Permit Version: 0 Receiving Water: AFON BRADLEY	Status: Effective Issue date: 26/03/1993 Effective Date: 26/03/1993 Revocation Date: -
G	21m N	RHOSYWAUN STW, CHIRK	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0050401 Permit Version: 1 Receiving Water: BRADLEY	Status: REVOKED - UNSPECIFIED Issue date: 25/04/1983 Effective Date: 25/04/1983 Revocation Date: 09/11/1989
G	21m N	RHOSYWAUN STW, CHIRK	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0050401 Permit Version: 2 Receiving Water: BRADLEY	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 10/11/1989 Effective Date: 10/11/1989 Revocation Date: 25/10/1995
I	31m N	CHIRK PS (SCREENED STORM), Holyhead Rd, Chirk, WREXHAM, LL14 5NA	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: CG0329701 Permit Version: 0 Receiving Water: AFON BRADLEY	Status: Effective Issue date: 24/02/2020 Effective Date: 24/02/2020 Revocation Date: -
G	40m N	CHIRK PS (SCREENED STROM), Wrexham	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: CG0329701 Permit Version: 1 Receiving Water: AFON BRADLEY	Status: Effective Issue date: 26/03/1993 Effective Date: 26/03/1993 Revocation Date: -



ID	Location	Address	Details	
17	57m N	CHIRK PS (SCREENED STROM), Holyhead Rd, Chirk, WREXHAM, LL14 5HP	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: CG0329702 Permit Version: 0 Receiving Water: AFON BRADLEY	Status: Effective Issue date: 06/02/2020 Effective Date: 06/02/2020 Revocation Date: -
O	140m NE	OUTSIDE 24 OFFA CHIRK, CHIRK	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CG0360201 Permit Version: 1 Receiving Water: RIVER DEE TRIBUTARY	Status: Effective Issue date: 21/07/1994 Effective Date: 21/07/1994 Revocation Date: -
O	148m NE	Chirk O/S 24 Offa St CSO, O/S Offa St, Chirk, Wrexham, LL14 5BP	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CG0360201 Permit Version: 0 Receiving Water: River Dee tributary	Status: Effective Issue date: 17/12/2019 Effective Date: 17/12/2019 Revocation Date: -
23	204m S	CHIRK SEL-REY FACTORY SITE, SEL-REY FACTORY SITE	Effluent Type: UNSPECIFIED Permit Number: CM0055701 Permit Version: 1 Receiving Water: UN-NAMED TRIB. OF BRADLEY	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 20/03/1969 Effective Date: 20/03/1969 Revocation Date: 22/12/1992
29	290m SE	CHIRK CHAPEL LANE/LLOYDS LANE	Effluent Type: UNSPECIFIED Permit Number: CM0196701 Permit Version: 1 Receiving Water: CULVERT	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 20/10/1989 Effective Date: 20/10/1989 Revocation Date: 04/03/1994
30	328m NE	CHIRK CHAPEL LANE -SSO, CHAPEL LANE -SSO	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CM0036501 Permit Version: 1 Receiving Water: UN-NAMED DITCH FLOWING TO BRAD	Status: Effective Issue date: 22/09/1966 Effective Date: 22/09/1966 Revocation Date: -
31	329m E	Chirk Chapel Lane CSO, Nr 17 Chapel Lane, Chirk, Wrexham, LL14 5BP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CM0036501 Permit Version: 0 Receiving Water: Unnamed ditch flowing to Bradley Brook	Status: Effective Issue date: 29/08/2019 Effective Date: 29/08/2019 Revocation Date: -



ID	Location	Address	Details	
32	426m N	WHITEHURST STW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0094201 Permit Version: 0 Receiving Water: AFON BRADLEY	Status: Effective Issue date: 28/04/1988 Effective Date: 28/04/1988 Revocation Date: -
33	456m N	WHITE HURST HALT WwTW, WHITEHURST GARDENS, CHIRK, WREXHAM, WALES, LL14 5AT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0189901 Permit Version: 2 Receiving Water: LAND	Status: Effective Issue date: 24/04/2017 Effective Date: 24/04/2017 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0
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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
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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	1
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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.

Features are displayed on the Current industrial land use map on [page 51 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
H	6m SW	Cadbury Schweppes Plc	Not Active	-	Pentachlorophenol

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



4.17 List 2 Dangerous Substances

Records within 500m	0
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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	22
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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 51 >](#)

ID	Location	Details	
11	On site	Incident Date: 06/06/2013 Incident Identification: 1119476 Pollutant: Organic Chemicals/Products Pollutant Description: Alcohols/Aldehydes	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	On site	Incident Date: 16/07/2001 Incident Identification: 16853 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	On site	Incident Date: 17/04/2014 Incident Identification: 1228317 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	On site	Incident Date: 11/10/2013 Incident Identification: 1166795 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	On site	Incident Date: 04/09/2013 Incident Identification: 1156128 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
F	On site	Incident Date: 12/08/2016 Incident Identification: 1604618 Pollutant: - Pollutant Description: -	Water Impact: No Details Land Impact: No Details Air Impact: Category 3 (Minor)



ID	Location	Details	
F	On site	Incident Date: 12/08/2016 Incident Identification: 1604618 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: No Details Land Impact: No Details Air Impact: Category 3 (Minor)
G	5m N	Incident Date: 23/07/2002 Incident Identification: 96063 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	14m N	Incident Date: 17/10/2016 Incident Identification: 1606284 Pollutant: - Pollutant Description: -	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: No Details
J	14m N	Incident Date: 17/10/2016 Incident Identification: 1606284 Pollutant: Sewage Material Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: No Details
13	24m SE	Incident Date: 06/03/2003 Incident Identification: 141334 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
14	30m NE	Incident Date: 24/01/2017 Incident Identification: 1700364 Pollutant: Sewage Material Pollutant Description: Crude Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details
L	34m N	Incident Date: 01/12/2016 Incident Identification: 1607205 Pollutant: - Pollutant Description: -	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: No Details
L	34m N	Incident Date: 01/12/2016 Incident Identification: 1607205 Pollutant: Sewage Material Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: No Details
L	37m N	Incident Date: 31/03/2017 Incident Identification: 1701649 Pollutant: - Pollutant Description: -	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details
L	37m N	Incident Date: 31/03/2017 Incident Identification: 1701649 Pollutant: Sewage Material Pollutant Description: Crude Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details



ID	Location	Details	
G	40m N	Incident Date: 28/04/2003 Incident Identification: 154393 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	65m N	Incident Date: 17/10/2009 Incident Identification: 725795 Pollutant: Sewage Materials Pollutant Description: Process Effluent	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
N	91m SW	Incident Date: 23/06/2015 Incident Identification: 1347775 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Animal and Vegetable Oil	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
P	166m S	Incident Date: 03/05/2002 Incident Identification: 76313 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
P	228m S	Incident Date: 29/07/2002 Incident Identification: 95428 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
P	228m S	Incident Date: 24/07/2002 Incident Identification: 93978 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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



4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m

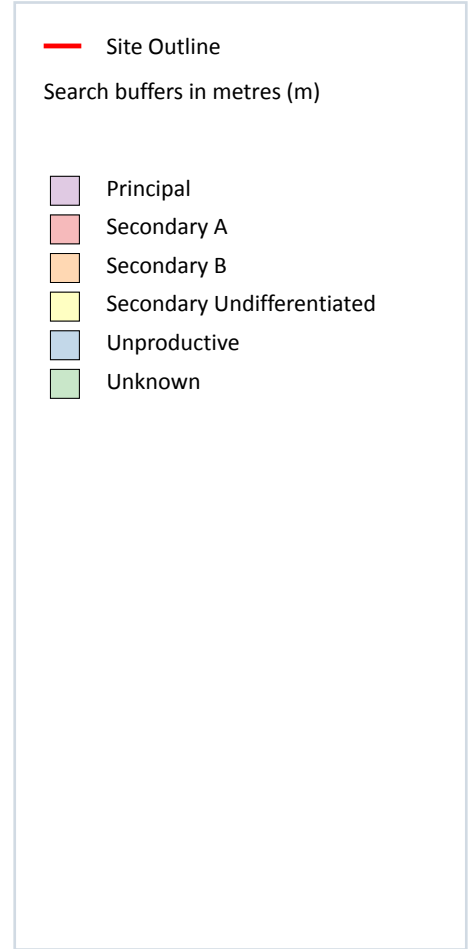
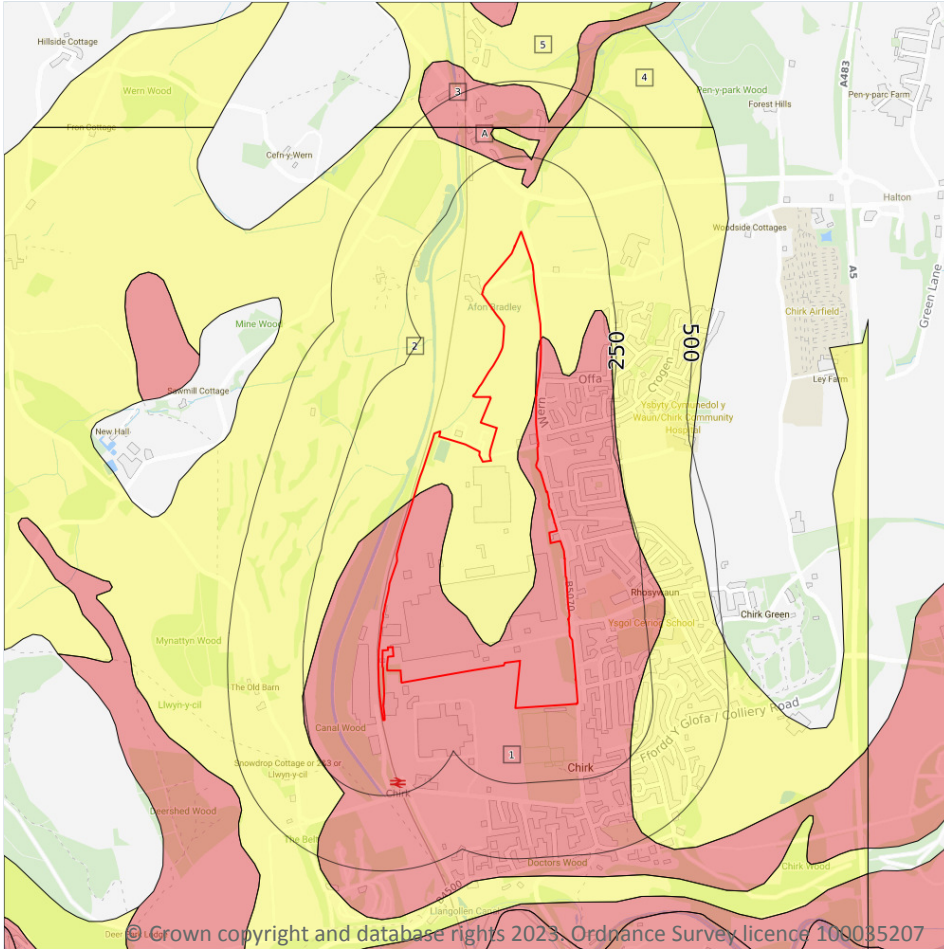
0

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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

7

Aquifer status of groundwater held within superficial geology.

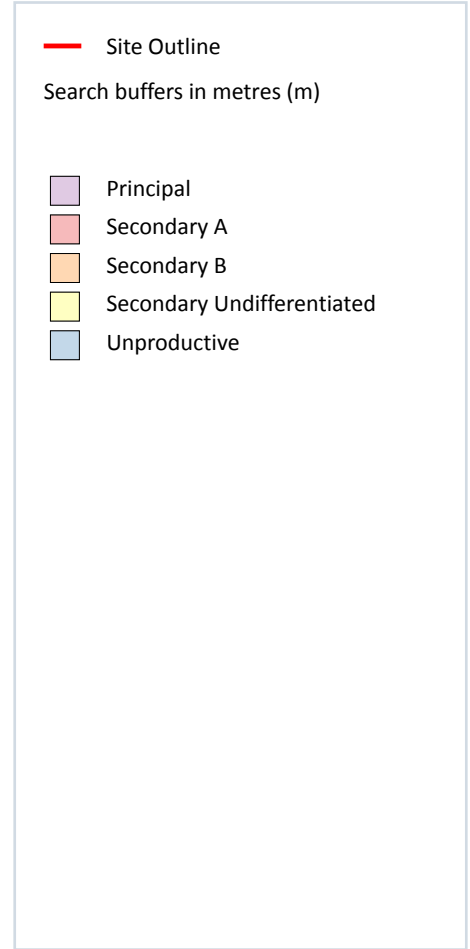
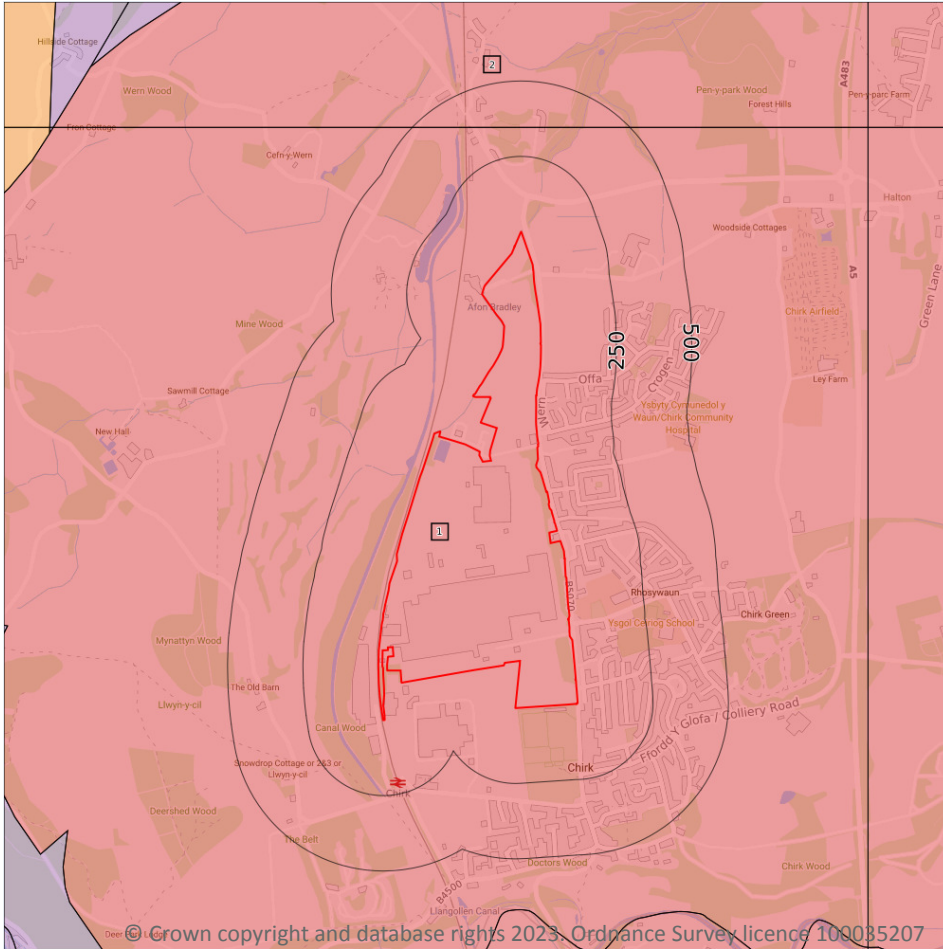
Features are displayed on the Hydrogeology map on [page 72 >](#)

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

ID	Location	Designation	Description
A	148m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
A	242m N	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
3	346m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	374m N	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
5	376m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 74](#) >

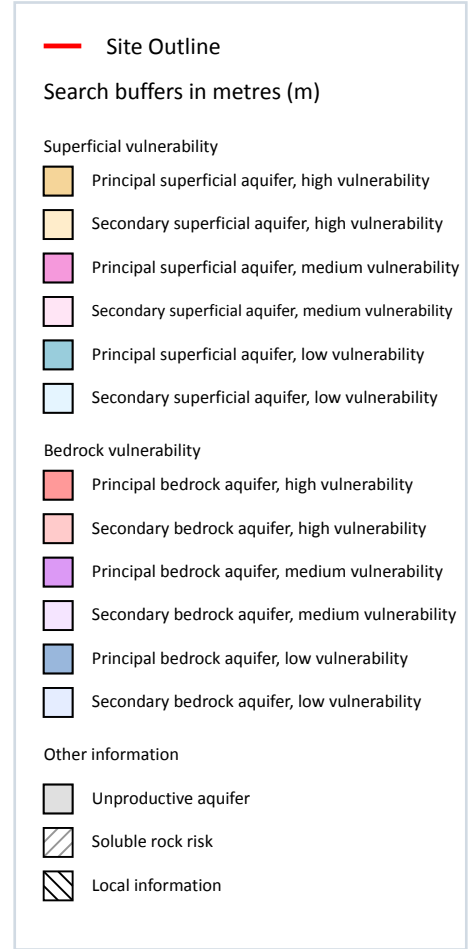
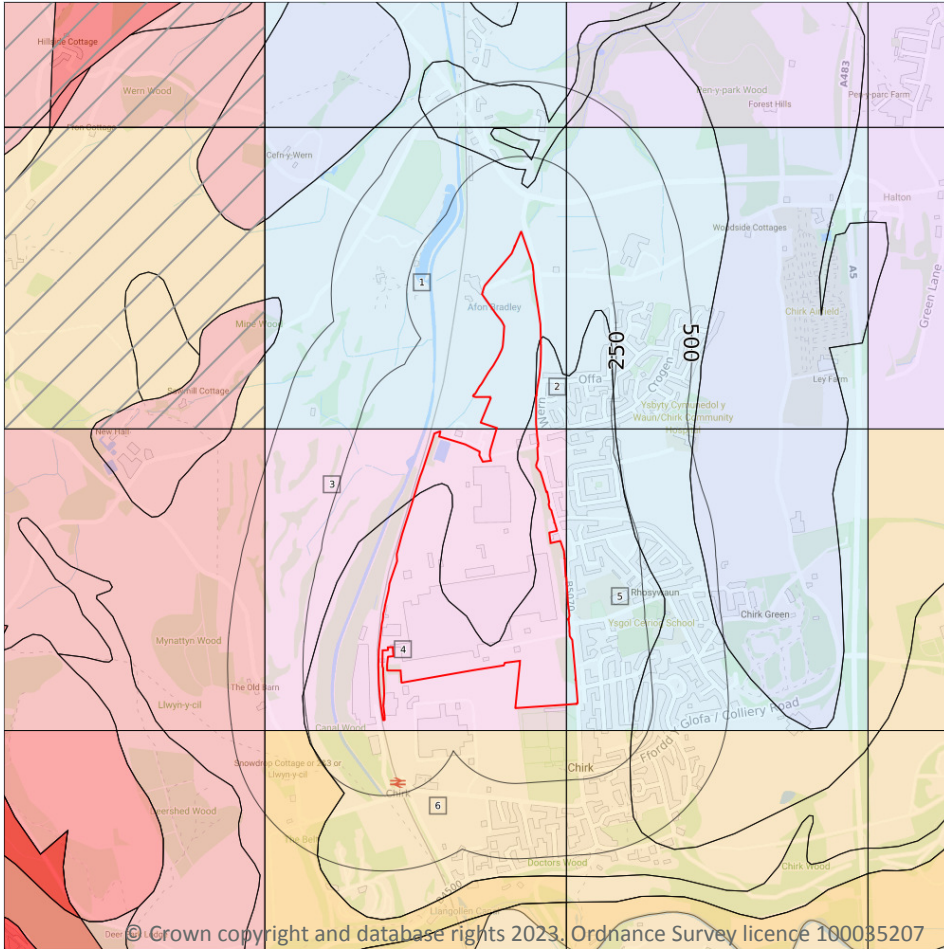
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	346m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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

6

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 76](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: <90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
6	34m SW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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



5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

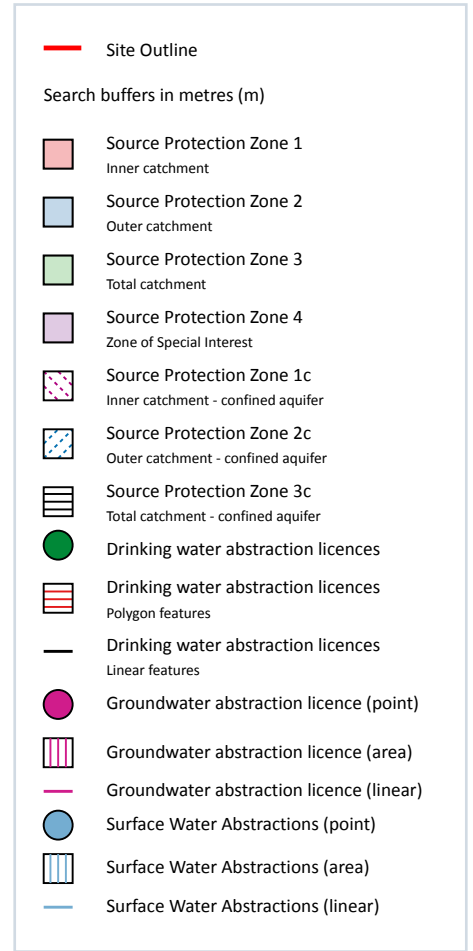
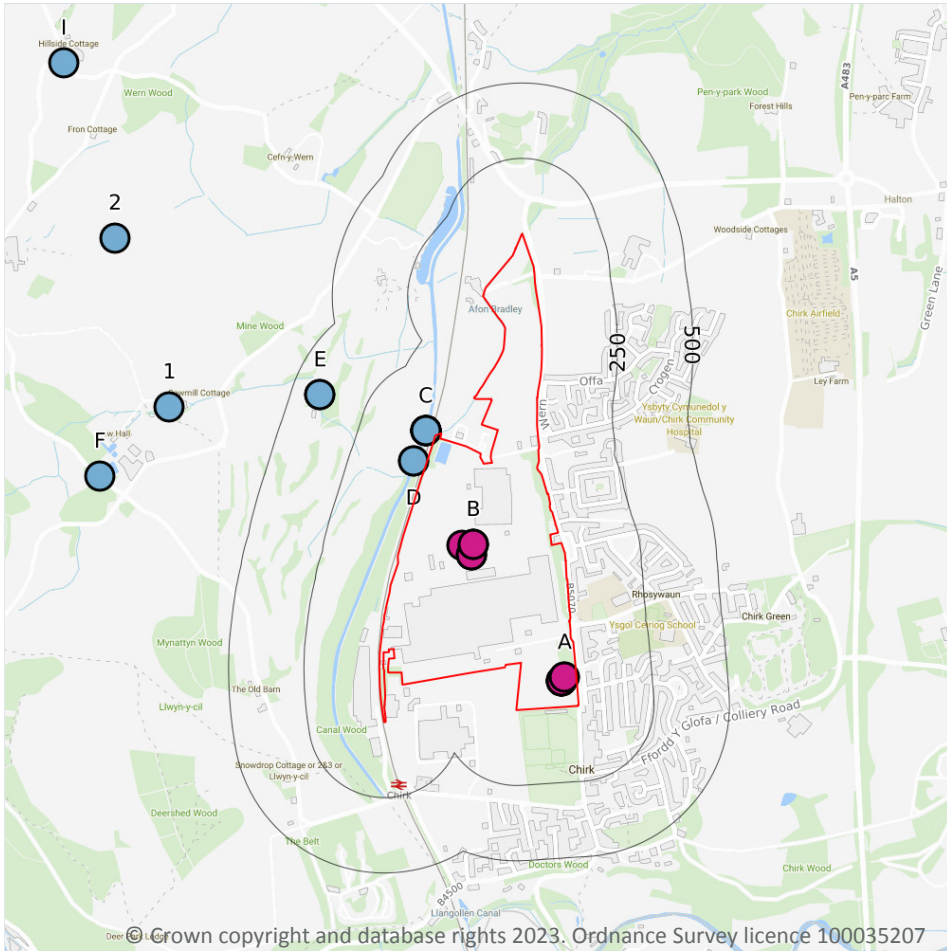
0

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

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



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

14

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 79 >](#)

ID	Location	Details	
A	On site	Status: Active Licence No: WA/067/0006/006 Details: Process Water - Medium Direct Source: - Point: - Data Type: Point Name: - Easting: 328991 Northing: 338183	Annual Volume (m ³): 141912 Max Daily Volume (m ³): 388.8 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: - Version Start Date: - Version End Date: -
A	On site	Status: Historical Licence No: 24/67/5/0079 Details: Process water Direct Source: EAW Groundwater Point: 55M DEEP, 300MM DIA BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328980 Northing: 338170	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/05/2001 Expiry Date: 24/05/2004 Issue No: 1 Version Start Date: 01/04/2003 Version End Date: -
A	On site	Status: Historical Licence No: 24/67/5/0082 Details: Process Water Direct Source: EAW Groundwater Point: 55M DEEP, 300MM DIA BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328980 Northing: 338170	Annual Volume (m ³): 236520 Max Daily Volume (m ³): 648 Original Application No: - Original Start Date: 25/05/2004 Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 01/04/2006 Version End Date: -
A	On site	Status: Historical Licence No: 24/67/5/0082 Details: Evaporative Cooling Direct Source: EAW Groundwater Point: 55M DEEP, 300MM DIA BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328980 Northing: 338170	Annual Volume (m ³): 236520 Max Daily Volume (m ³): 648 Original Application No: - Original Start Date: 25/05/2004 Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 01/04/2006 Version End Date: -
A	On site	Status: Historical Licence No: 24/67/5/0083 Details: Evaporative Cooling Direct Source: EAW Groundwater Point: 55M DEEP, 300MM DIA BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328980 Northing: 338170	Annual Volume (m ³): 236520 Max Daily Volume (m ³): 648 Original Application No: - Original Start Date: 01/04/2008 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
A	On site	Status: Historical Licence No: 24/67/5/0083 Details: Process Water Direct Source: EAW Groundwater Point: 55M DEEP, 300MM DIA BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328980 Northing: 338170	Annual Volume (m ³): 236520 Max Daily Volume (m ³): 648 Original Application No: - Original Start Date: 01/04/2008 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -
A	On site	Status: Historical Licence No: WA/067/0006/006 Details: Process Water Direct Source: EAW Groundwater Point: 55M DEEP, 300MM DIA BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328991 Northing: 338183	Annual Volume (m ³): 141912 Max Daily Volume (m ³): 388.8 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
B	On site	Status: Active Licence No: WA/067/0005/015 Details: Evaporative Cooling - High Direct Source: nderground strata comprising of superficial deposi Point: - Data Type: Point Name: - Easting: 328688 Northing: 338624	Annual Volume (m ³): 160000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 02/02/2016 Expiry Date: 30/03/2027 Issue No: - Version Start Date: - Version End Date: -
B	On site	Status: Historical Licence No: 24/67/5/0066 Details: Process water Direct Source: EAW Groundwater Point: 33M DEEP, 250MM DIA. ST.STEEL CASING, BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328680 Northing: 338590	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 07/08/1989 Expiry Date: - Issue No: 100 Version Start Date: 07/07/1995 Version End Date: -
B	On site	Status: Historical Licence No: 24/67/5/0066 Details: Process water Direct Source: EAW Groundwater Point: BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328650 Northing: 338620	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 07/08/1989 Expiry Date: - Issue No: 100 Version Start Date: 07/07/1995 Version End Date: -



ID	Location	Details	
B	On site	Status: Historical Licence No: 24/67/5/0080 Details: Evaporative Cooling Direct Source: EAW Groundwater Point: 33M DEEP, 250MM DIA. ST.STEEL CASING, BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328680 Northing: 338590	Annual Volume (m ³): 262800 Max Daily Volume (m ³): 720 Original Application No: - Original Start Date: 21/06/2001 Expiry Date: 31/03/2012 Issue No: 1 Version Start Date: 01/04/2006 Version End Date: -
B	On site	Status: Historical Licence No: 24/67/5/0080 Details: Process Water Direct Source: EAW Groundwater Point: 33M DEEP, 250MM DIA. ST.STEEL CASING, BOREHOLE Data Type: Point Name: Kronospan Ltd Easting: 328680 Northing: 338590	Annual Volume (m ³): 262800 Max Daily Volume (m ³): 720 Original Application No: - Original Start Date: 21/06/2001 Expiry Date: 31/03/2012 Issue No: 1 Version Start Date: 01/04/2006 Version End Date: -
B	On site	Status: Historical Licence No: WA/067/0005/015 Details: Process Water Direct Source: EAW Groundwater Point: DEPOSITS OF SAND AND GRAVEL AT CHIRK, WREXHAM Data Type: Point Name: Kronospan Ltd Easting: 328688 Northing: 338624	Annual Volume (m ³): 262800 Max Daily Volume (m ³): 720 Original Application No: - Original Start Date: 01/04/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2012 Version End Date: -
B	On site	Status: Historical Licence No: WA/067/0005/015 Details: Evaporative Cooling Direct Source: EAW Groundwater Point: DEPOSITS OF SAND AND GRAVEL AT CHIRK, WREXHAM Data Type: Point Name: Kronospan Ltd Easting: 328688 Northing: 338624	Annual Volume (m ³): 160000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 01/04/2012 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 29/01/2016 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

23

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 79 >](#)

ID	Location	Details	
C	35m NW	Status: Active Licence No: 24/67/5/0081 Details: Process Water - Medium Direct Source: - Point: - Data Type: Point Name: - Easting: 328530 Northing: 339000	Annual Volume (m ³): 475800 Max Daily Volume (m ³): 1600 Original Application No: - Original Start Date: 20/07/2012 Expiry Date: 31/03/2027 Issue No: - Version Start Date: - Version End Date: -
C	35m NW	Status: Active Licence No: 24/67/5/0081 Details: Evaporative Cooling - High Direct Source: - Point: - Data Type: Point Name: - Easting: 328530 Northing: 339000	Annual Volume (m ³): 475800 Max Daily Volume (m ³): 1600 Original Application No: - Original Start Date: 20/07/2012 Expiry Date: 31/03/2027 Issue No: - Version Start Date: - Version End Date: -
C	35m NW	Status: Historical Licence No: 24/67/5/0081 Details: Evaporative Cooling - High Direct Source: - Point: - Data Type: Point Name: - Easting: 328530 Northing: 339000	Annual Volume (m ³): 475800 Max Daily Volume (m ³): 1600.8 Original Application No: - Original Start Date: 20/07/2012 Expiry Date: 31/03/2027 Issue No: - Version Start Date: - Version End Date: -
C	35m NW	Status: Historical Licence No: 24/67/5/0081 Details: Process Water - Medium Direct Source: - Point: - Data Type: Point Name: - Easting: 328530 Northing: 339000	Annual Volume (m ³): 475800 Max Daily Volume (m ³): 1600.8 Original Application No: - Original Start Date: 20/07/2012 Expiry Date: 31/03/2027 Issue No: - Version Start Date: - Version End Date: -



ID	Location	Details	
C	35m NW	Status: Historical Licence No: 24/67/5/0081 Details: Evaporative Cooling Direct Source: EAW Surface Water Point: POINT "A"ON LLANGOLLEN CANAL Data Type: Point Name: Canal and River Trust Easting: 328530 Northing: 339000	Annual Volume (m ³): 475800 Max Daily Volume (m ³): 1600 Original Application No: - Original Start Date: 12/08/2003 Expiry Date: 31/03/2027 Issue No: 3 Version Start Date: 20/07/2012 Version End Date: -
C	35m NW	Status: Historical Licence No: 24/67/5/0081 Details: Process Water Direct Source: EAW Surface Water Point: POINT "A"ON LLANGOLLEN CANAL Data Type: Point Name: Canal and River Trust Easting: 328530 Northing: 339000	Annual Volume (m ³): 475800 Max Daily Volume (m ³): 1600 Original Application No: - Original Start Date: 12/08/2003 Expiry Date: 31/03/2027 Issue No: 3 Version Start Date: 20/07/2012 Version End Date: -
D	42m NW	Status: Historical Licence No: 24/67/5/0081 Details: Evaporative Cooling Direct Source: EAW Surface Water Point: POINT "B"ON LLANGOLLEN CANAL Data Type: Point Name: Canal and River Trust Easting: 328490 Northing: 338900	Annual Volume (m ³): 475800 Max Daily Volume (m ³): 1600 Original Application No: - Original Start Date: 12/08/2003 Expiry Date: 31/03/2027 Issue No: 3 Version Start Date: 20/07/2012 Version End Date: -
D	42m NW	Status: Historical Licence No: 24/67/5/0081 Details: Process Water Direct Source: EAW Surface Water Point: POINT "B"ON LLANGOLLEN CANAL Data Type: Point Name: Canal and River Trust Easting: 328490 Northing: 338900	Annual Volume (m ³): 475800 Max Daily Volume (m ³): 1600 Original Application No: - Original Start Date: 12/08/2003 Expiry Date: 31/03/2027 Issue No: 3 Version Start Date: 20/07/2012 Version End Date: -
E	405m NW	Status: Historical Licence No: 24/67/5/0067 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: CHIRK CASTLE POOL AND OUTLET STREAM Data Type: Point Name: Myddleton Easting: 328180 Northing: 339120	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1989 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1993 Version End Date: -



ID	Location	Details	
E	405m NW	Status: Historical Licence No: 24/67/5/0067 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: CHIRK CASTLE POOL AND OUTLET STREAM Data Type: Point Name: Chirk Golf Club Easting: 328180 Northing: 339120	Annual Volume (m ³): 9000 Max Daily Volume (m ³): 164 Original Application No: - Original Start Date: 01/06/1989 Expiry Date: 01/06/2031 Issue No: 103 Version Start Date: 24/07/2012 Version End Date: -
1	867m W	Status: Historical Licence No: 24/67/5/0067 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: CHIRK CASTLE POOL AND OUTLET STREAM Data Type: Point Name: Myddleton Easting: 327680 Northing: 339080	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1989 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1993 Version End Date: -
F	1022m W	Status: Historical Licence No: 24/67/5/0024 Details: Potable Water Supply - Direct Direct Source: EAW Surface Water Point: NEWHALLSPRING Data Type: Point Name: Dee Valley Water Plc Easting: 327450 Northing: 338850	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/10/1967 Expiry Date: - Issue No: 100 Version Start Date: 19/05/1982 Version End Date: -
2	1235m NW	Status: Historical Licence No: 24/67/5/0035 Details: General Farming & Domestic Direct Source: EAW Surface Water Point: SPRING Data Type: Point Name: Myddleton Easting: 327500 Northing: 339640	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/06/1968 Expiry Date: - Issue No: 100 Version Start Date: 14/06/1968 Version End Date: -
-	1291m W	Status: Historical Licence No: 24/67/5/0067 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: CHIRK CASTLE POOL Data Type: Point Name: Myddleton Easting: 327130 Northing: 338660	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1989 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1993 Version End Date: -



ID	Location	Details	
-	1452m SW	Status: Historical Licence No: 24/67/6/0016 Details: Fish Farm / Cress pond Throughflow - Very Low Direct Source: Groundwater fed spring Point: - Data Type: Point Name: - Easting: 327050 Northing: 337480	Annual Volume (m ³): 249475.56 Max Daily Volume (m ³): - Original Application No: - Original Start Date: Apr 1 2008 12:00AM Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1452m SW	Status: Historical Licence No: 24/67/6/0016 Details: Fish Farm / Cress pond Throughflow - Very Low Direct Source: Un-named spring Point: - Data Type: Point Name: - Easting: 327050 Northing: 337480	Annual Volume (m ³): 249475.56 Max Daily Volume (m ³): - Original Application No: - Original Start Date: 29/12/2022 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1452m SW	Status: Historical Licence No: 24/67/6/0016 Details: Fish Farm/Cress Pond Throughflow Direct Source: EAW Surface Water Point: N-NAMED SPRING, CHIRK FISHERY,WREXHAM. Data Type: Point Name: Coadey Easting: 327050 Northing: 337480	Annual Volume (m ³): 249476 Max Daily Volume (m ³): 681.63 Original Application No: - Original Start Date: 23/10/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1452m SW	Status: Active Licence No: 24/67/6/0016 Details: Fish Farm / Cress pond Throughflow - Very Low Direct Source: Un-named spring Point: - Data Type: Point Name: - Easting: 327050 Northing: 337480	Annual Volume (m ³): 249475.56 Max Daily Volume (m ³): 681.63 Original Application No: - Original Start Date: 29/12/2022 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1493m SW	Status: Historical Licence No: 24/67/6/0015 Details: Fish Farm/Cress Pond Throughflow Direct Source: EAW Surface Water Point: RIVER CEIRIOG FOR CHIRK FISHERY Data Type: Point Name: Coadey Easting: 327040 Northing: 337400	Annual Volume (m ³): 8319180 Max Daily Volume (m ³): 22730 Original Application No: - Original Start Date: 23/10/1967 Expiry Date: - Issue No: 101 Version Start Date: 02/02/2010 Version End Date: -



ID	Location	Details	
-	1493m SW	Status: Historical Licence No: 24/67/6/0015 Details: Fish Farm / Cress pond Throughflow - Very Low Direct Source: Afon Ceiriog Point: - Data Type: Point Name: - Easting: 327040 Northing: 337400	Annual Volume (m ³): 8319180 Max Daily Volume (m ³): 25008 Original Application No: - Original Start Date: 10/12/2020 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1493m SW	Status: Active Licence No: 24/67/6/0015 Details: Fish Farm / Cress pond Throughflow - Very Low Direct Source: Afon Ceiriog Point: - Data Type: Point Name: - Easting: 327040 Northing: 337400	Annual Volume (m ³): 8319180 Max Daily Volume (m ³): 22730 Original Application No: - Original Start Date: 10/12/2020 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
I	1585m NW	Status: Historical Licence No: 24/67/5/0034 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING Data Type: Point Name: Myddleton Easting: 327330 Northing: 340220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/06/1968 Expiry Date: - Issue No: 100 Version Start Date: 14/06/1968 Version End Date: -
-	1623m W	Status: Historical Licence No: 24/67/5/0067 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: CHIRK CASTLE POOL POINT A Data Type: Point Name: Myddleton Easting: 326820 Northing: 338800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1989 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1993 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m **2**

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 79 >](#)

ID	Location	Details	
F	1022m W	Status: Historical Licence No: 24/67/5/0024 Details: Potable Water Supply - Direct Direct Source: EAW Surface Water Point: NEWHALLSPRING Data Type: Point Name: Dee Valley Water Plc Easting: 327450 Northing: 338850	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/10/1967 Expiry Date: - Issue No: 100 Version Start Date: 19/05/1982 Version End Date: -
I	1585m NW	Status: Historical Licence No: 24/67/5/0034 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING Data Type: Point Name: Myddleton Easting: 327330 Northing: 340220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/06/1968 Expiry Date: - Issue No: 100 Version Start Date: 14/06/1968 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m **0**

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m **0**

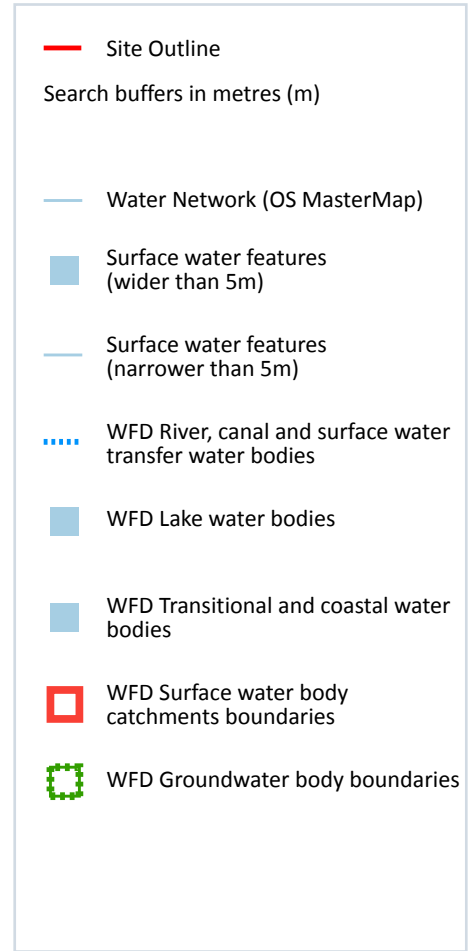
Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.



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



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

41

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 90 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
1	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
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
3	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Afon Bradley
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
B	1m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	5m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Afon Bradley
E	32m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	34m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Llangollen Canal
F	37m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
8	39m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	39m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Llangollen Canal
G	50m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
F	109m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	109m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Afon Bradley
H	109m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	129m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	139m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	146m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
G	158m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	158m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Afon Bradley
F	162m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
G	164m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	167m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Llangollen Canal
F	172m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
F	172m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley



ID	Location	Type of water feature	Ground level	Permanence	Name
12	177m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
13	177m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Llangollen Canal
G	183m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	187m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	187m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
14	190m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	192m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	203m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
17	211m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
L	212m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	214m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
18	215m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Bradley
M	217m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
N	246m N	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	20
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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 90](#) >

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 90](#) >

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
D	On site	River WB catchment	Dee - Ceiriog to Alwen	GB111067052060	Dee Middle Ceiriog to Alwen	Dee

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

6.4 WFD Surface water bodies

Records identified	2
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Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site.



Features are displayed on the Hydrology map on [page 90 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
7	35m NW	Canal	Llangollen Canal	GB70910082	Moderate	Fail	Good	2019
-	1299m N	River	Dee - Ceiriog to Alwen	GB111067052060	Moderate	Fail	Good	2016

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

6.5 WFD Groundwater bodies

Records on site	1
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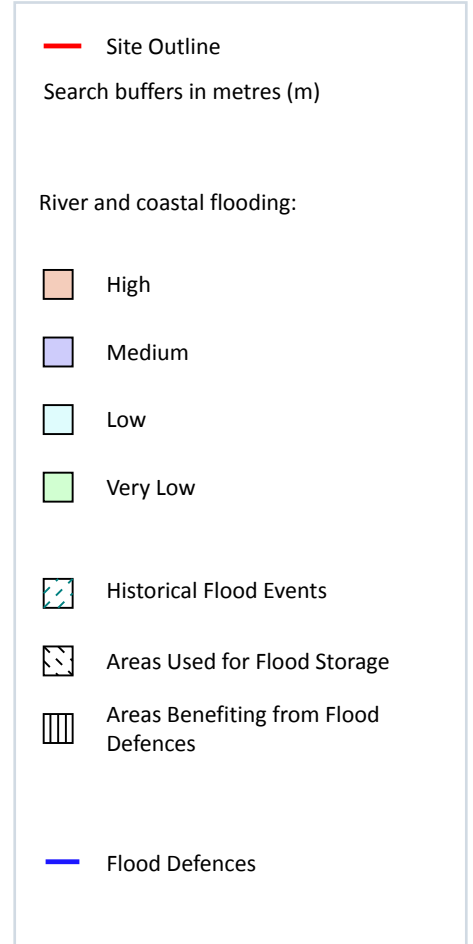
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place.

Features are displayed on the Hydrology map on [page 90 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
D	On site	Dee Silurian/Ordovician	GB41102G200200	Good	Good	Good	2017

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

268

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

Features are displayed on the River and coastal flooding map on [page 96 >](#)

Distance	Flood risk category
On site	High
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m **0**

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

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

7.3 Flood Defences

Records within 250m **0**

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m **0**

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

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

7.5 Flood Storage Areas

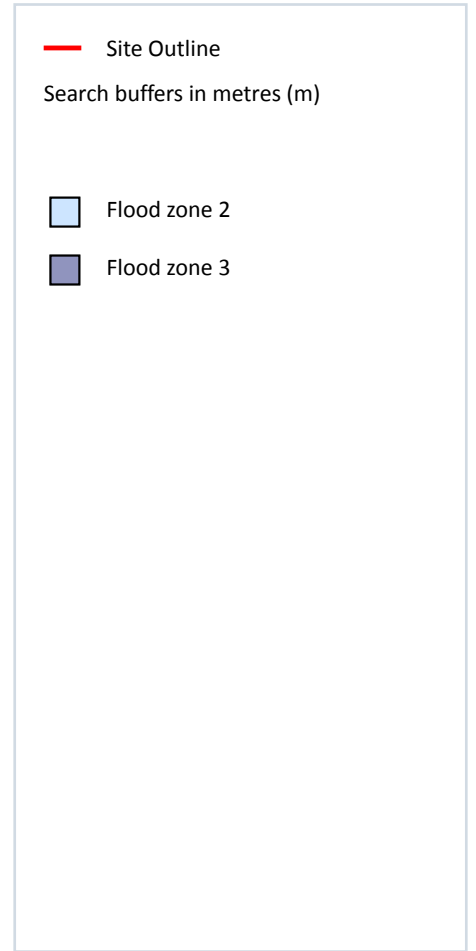
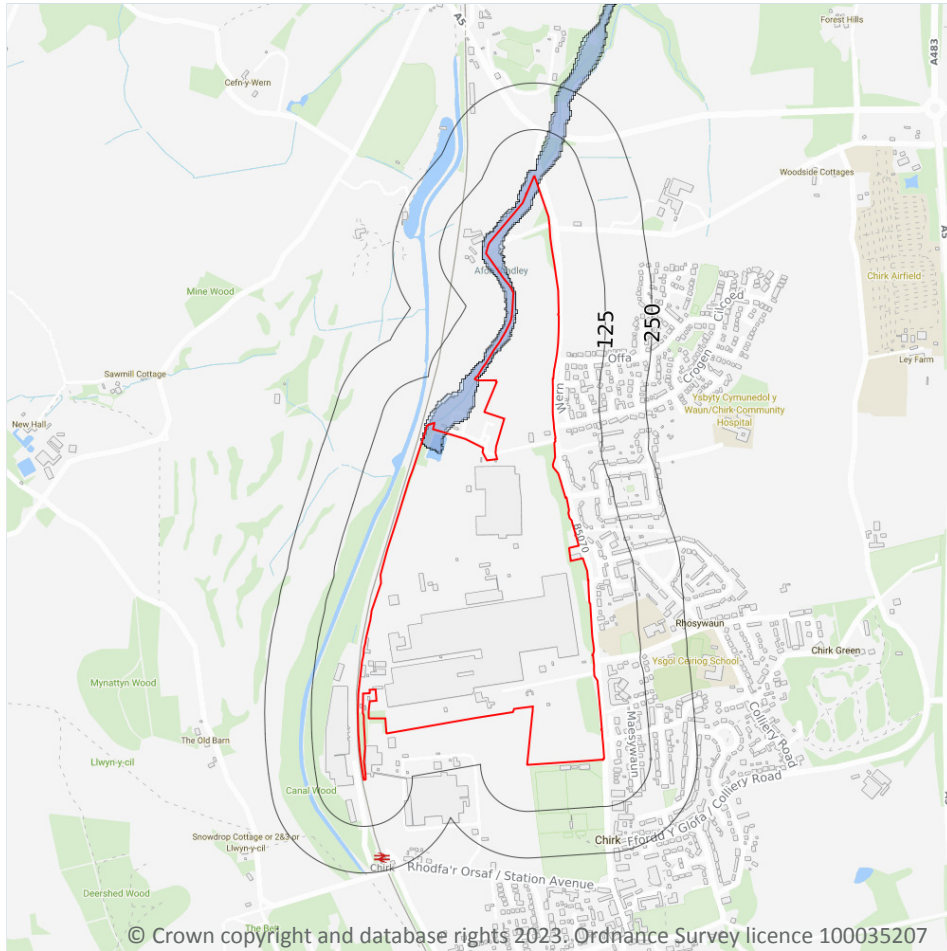
Records within 250m **0**

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

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



River and coastal flooding - Flood Zones



7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on [page 96](#) >

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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

7.7 Flood Zone 3

Records within 50m

1

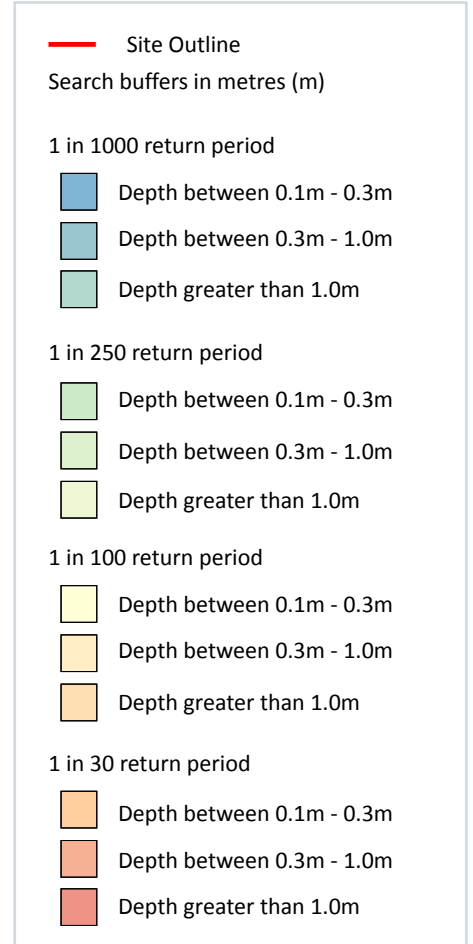
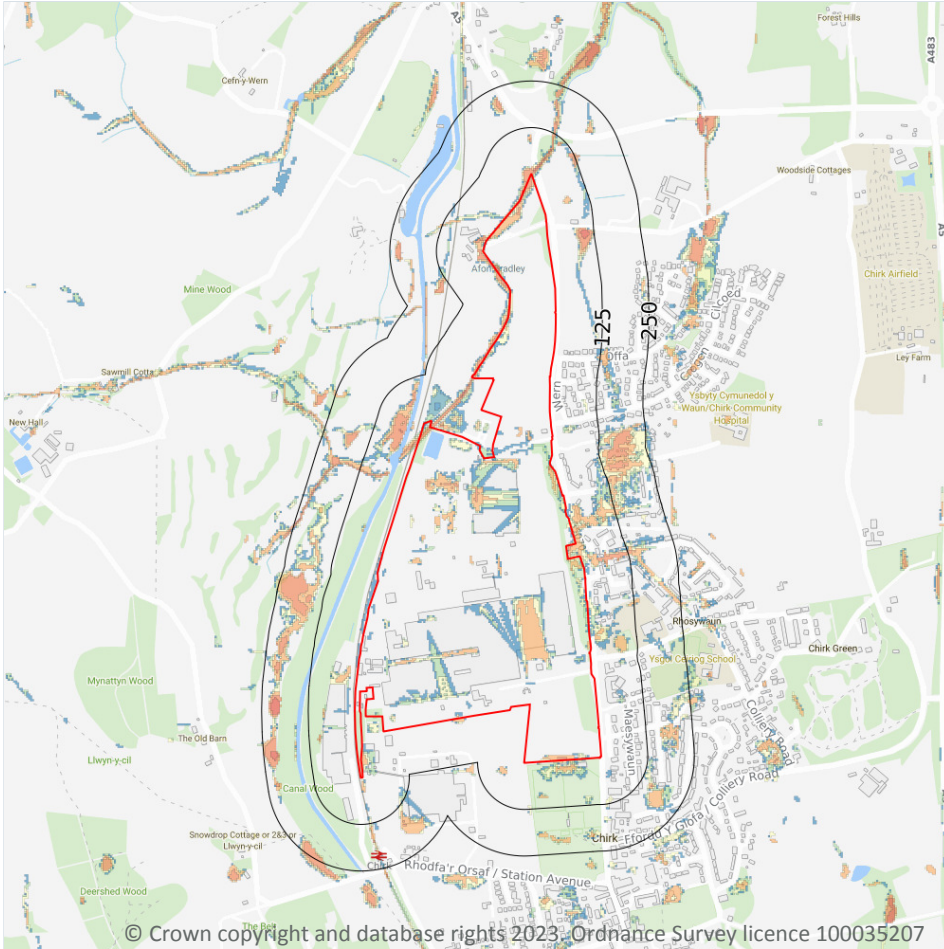
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 96](#) >

Location	Type
On site	Zone 3 - (Fluvial /Tidal Models)

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

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

Features are displayed on the Surface water flooding map on [page 100 >](#)

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

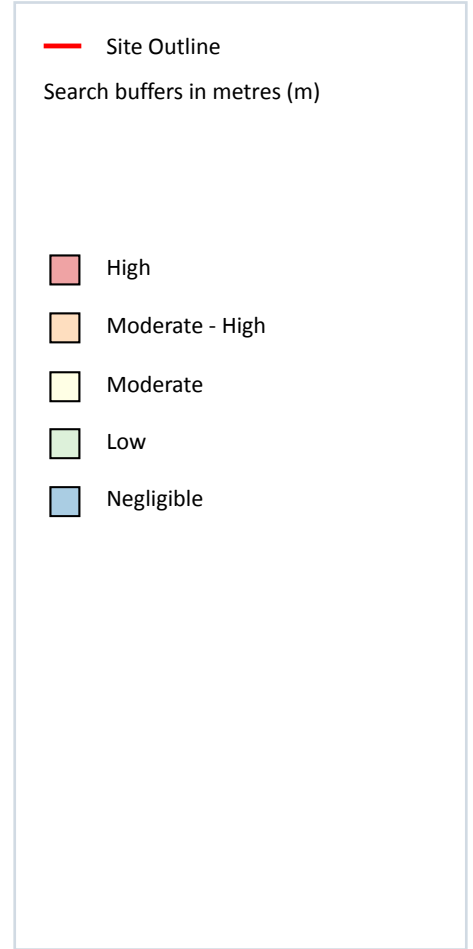
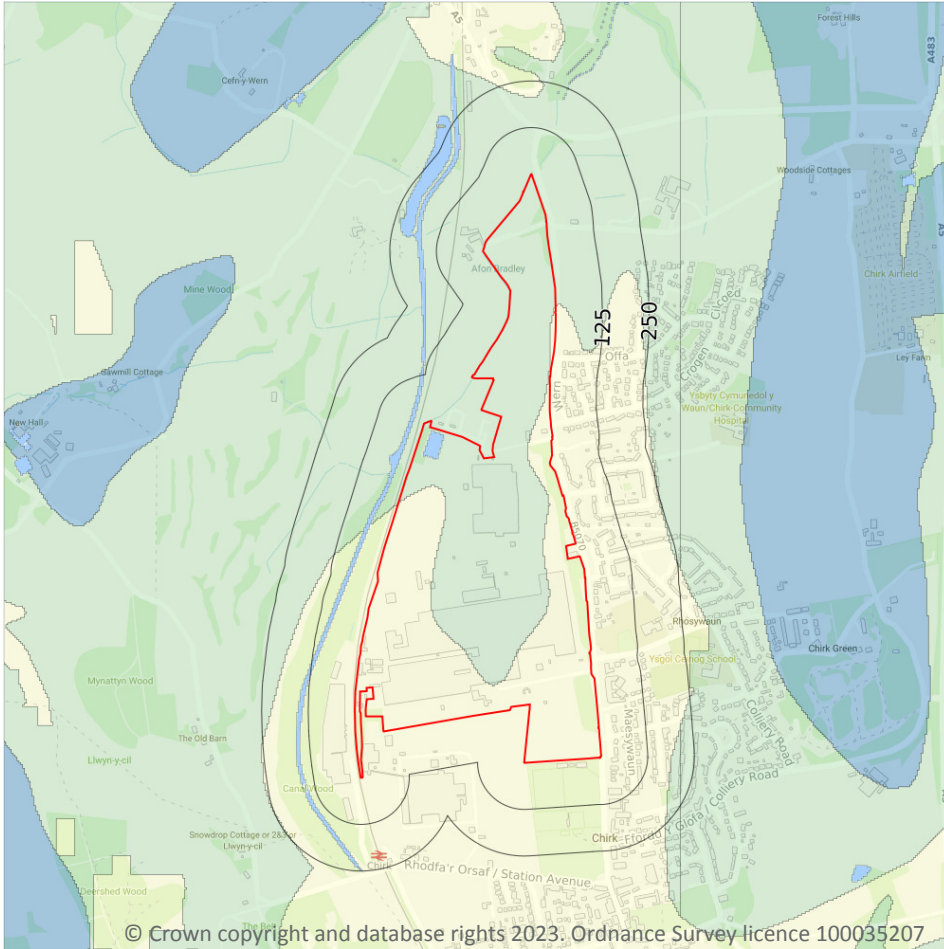
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

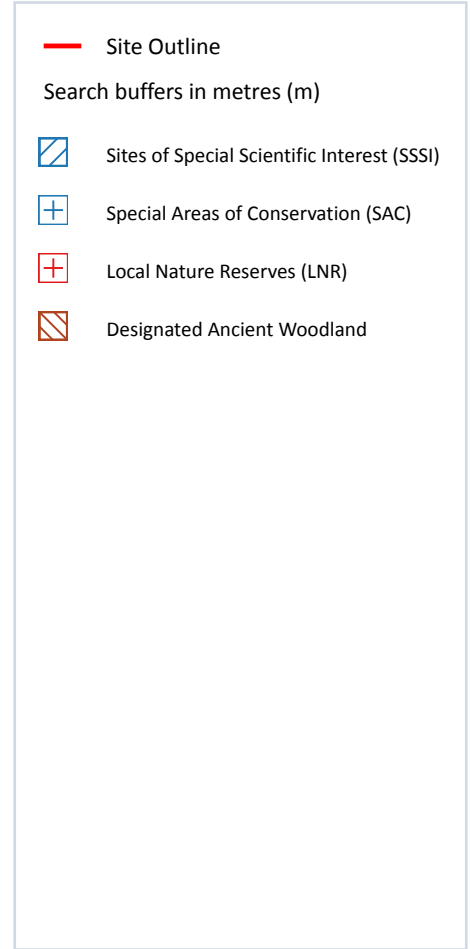
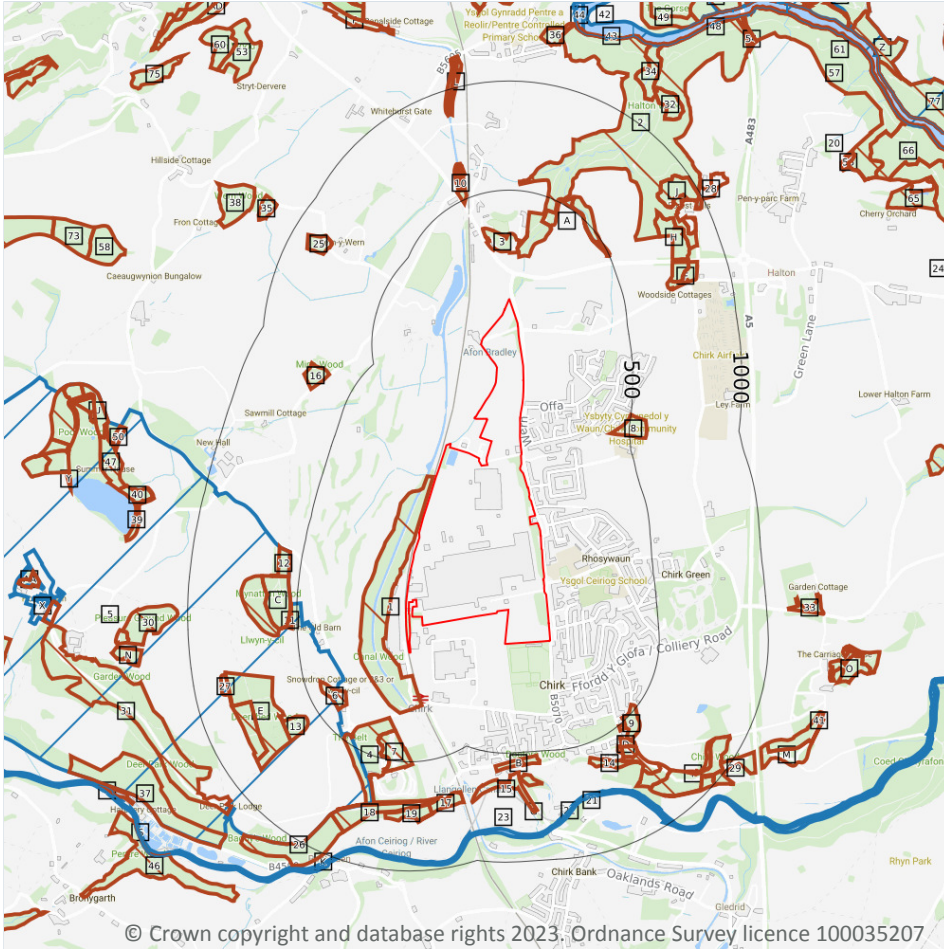
Moderate

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

Features are displayed on the Groundwater flooding map on [page 102 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

14

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on [page 103 >](#)

ID	Location	Name	Data source
5	325m SW	Castell y Waun a'i Barudir / Chirk Castle and Parkland	Natural Resources Wales



ID	Location	Name	Data source
20	727m S	Afon Dyfrdwy (River Dee)	Natural Resources Wales
22	729m S	Afon Dyfrdwy (River Dee)	Natural Resources Wales
G	734m S	River Dee (England)	Natural England
K	882m S	Afon Dyfrdwy (River Dee)	Natural Resources Wales
44	1267m N	Afon Dyfrdwy (River Dee)	Natural Resources Wales
S	1456m SW	Afon Dyfrdwy (River Dee)	Natural Resources Wales
-	1462m N	Afon Dyfrdwy (River Dee)	Natural Resources Wales
R	1490m SW	Afon Dyfrdwy (River Dee)	Natural Resources Wales
W	1569m SW	Afon Dyfrdwy (River Dee)	Natural Resources Wales
Z	1628m NE	Nant-y-Belan and Prynella Woods	Natural Resources Wales
AA	1662m W	Castell y Waun a'i Barcdir / Chirk Castle and Parkland	Natural Resources Wales
X	1663m W	Castell y Waun a'i Barcdir / Chirk Castle and Parkland	Natural Resources Wales
-	1884m E	River Dee (England)	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0
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Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	13
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Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on [page 103 >](#)



ID	Location	Name	Features of interest	Habitat description	Data source
21	727m S	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
23	734m S	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (England)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
G	734m S	River Dee and Bala Lake	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural England
24	787m SE	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales



ID	Location	Name	Features of interest	Habitat description	Data source
K	882m S	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
42	1264m N	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
S	1456m SW	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
-	1462m N	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales



ID	Location	Name	Features of interest	Habitat description	Data source
R	1490m SW	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
-	1548m N	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
W	1569m SW	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
-	1883m E	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (England)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales



ID	Location	Name	Features of interest	Habitat description	Data source
-	1884m E	River Dee and Bala Lake	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural England

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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



10.7 Designated Ancient Woodland

Records within 2000m **133**

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

Features are displayed on the Environmental designations map on [page 103 >](#)

ID	Location	Name	Woodland Type
1	12m W	Unknown	Restored Ancient Woodland Site
2	199m N	Unknown	Restored Ancient Woodland Site
3	213m N	Unknown	Restored Ancient Woodland Site
4	312m SW	Unknown	Restored Ancient Woodland Site
6	343m SW	Unknown	Restored Ancient Woodland Site
7	361m SW	Unknown	Plantation on Ancient Woodland Site
A	379m N	Unknown	Restored Ancient Woodland Site
8	415m NE	Unknown	Restored Ancient Woodland Site
A	469m N	Unknown	Restored Ancient Woodland Site
9	473m SE	Unknown	Restored Ancient Woodland Site
10	484m N	Unknown	Ancient Semi Natural Woodland
B	519m S	Unknown	Restored Ancient Woodland Site
11	524m SW	Unknown	Restored Ancient Woodland Site
C	530m SW	Unknown	Restored Ancient Woodland Site
D	546m SE	Unknown	Plantation on Ancient Woodland Site
12	548m W	Unknown	Restored Ancient Woodland Site
13	558m SW	Unknown	Plantation on Ancient Woodland Site
14	566m SE	Unknown	Restored Ancient Woodland Site
C	582m SW	Unknown	Ancient Semi Natural Woodland
D	587m SE	Unknown	Plantation on Ancient Woodland Site
15	591m S	Unknown	Restored Ancient Woodland Site
B	602m S	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
16	627m NW	Unknown	Ancient Woodland Site of Unknown Category
D	630m SE	Unknown	Restored Ancient Woodland Site
E	637m SW	Unknown	Plantation on Ancient Woodland Site
17	672m S	Unknown	Restored Ancient Woodland Site
18	678m S	Unknown	Restored Ancient Woodland Site
19	700m S	Unknown	Restored Ancient Woodland Site
F	708m NE	Unknown	Restored Ancient Woodland Site
F	727m NE	Unknown	Plantation on Ancient Woodland Site
D	729m SE	Unknown	Plantation on Ancient Woodland Site
H	746m NE	Unknown	Plantation on Ancient Woodland Site
E	761m SW	Unknown	Restored Ancient Woodland Site
I	812m SE	Unknown	Restored Ancient Woodland Site
25	815m NW	Unknown	Restored Ancient Woodland Site
26	821m SW	Unknown	Restored Ancient Woodland Site
J	826m NE	Unknown	Plantation on Ancient Woodland Site
27	844m SW	Unknown	Plantation on Ancient Woodland Site
I	861m SE	Unknown	Ancient Semi Natural Woodland
H	874m NE	Unknown	Restored Ancient Woodland Site
I	882m SE	Unknown	Restored Ancient Woodland Site
L	884m N	Unknown	Ancient Semi Natural Woodland
L	886m N	Unknown	Ancient Semi Natural Woodland
J	899m NE	Unknown	Restored Ancient Woodland Site
28	948m NE	Unknown	Restored Ancient Woodland Site
29	961m SE	Unknown	Plantation on Ancient Woodland Site
I	970m SE	Unknown	Restored Ancient Woodland Site
30	1045m W	Unknown	Plantation on Ancient Woodland Site
31	1056m SW	Unknown	Ancient Semi Natural Woodland
M	1085m SE	Unknown	Plantation on Ancient Woodland Site



ID	Location	Name	Woodland Type
32	1091m NE	Unknown	Restored Ancient Woodland Site
33	1101m E	Unknown	Plantation on Ancient Woodland Site
M	1102m SE	Unknown	Restored Ancient Woodland Site
34	1111m N	Unknown	Plantation on Ancient Woodland Site
35	1124m NW	Unknown	Restored Ancient Woodland Site
36	1179m N	Unknown	Restored Ancient Woodland Site
37	1186m SW	Unknown	Ancient Semi Natural Woodland
N	1216m W	Unknown	Restored Ancient Woodland Site
38	1218m NW	Unknown	Restored Ancient Woodland Site
39	1218m W	Unknown	Ancient Semi Natural Woodland
40	1225m W	Unknown	Ancient Semi Natural Woodland
41	1264m SE	Unknown	Restored Ancient Woodland Site
43	1264m N	Unknown	Restored Ancient Woodland Site
N	1274m W	Unknown	Restored Ancient Woodland Site
O	1287m SE	Unknown	Restored Ancient Woodland Site
P	1325m N	Unknown	Ancient Semi Natural Woodland
45	1330m N	Unknown	Restored Ancient Woodland Site
46	1339m SW	Unknown	Ancient & Semi-Natural Woodland
O	1342m E	Unknown	Restored Ancient Woodland Site
47	1356m W	Unknown	Plantation on Ancient Woodland Site
48	1362m N	Unknown	Restored Ancient Woodland Site
49	1402m N	Unknown	Plantation on Ancient Woodland Site
-	1403m N	Unknown	Plantation on Ancient Woodland Site
50	1424m W	Unknown	Plantation on Ancient Woodland Site
O	1433m E	Unknown	Plantation on Ancient Woodland Site
R	1439m SW	Unknown	Ancient Semi Natural Woodland
P	1440m N	Unknown	Restored Ancient Woodland Site
P	1441m N	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
U	1506m W	Unknown	Ancient Semi Natural Woodland
-	1508m N	Unknown	Plantation on Ancient Woodland Site
-	1514m N	Unknown	Plantation on Ancient Woodland Site
51	1539m NE	Unknown	Ancient Semi Natural Woodland
U	1564m W	Unknown	Ancient Semi Natural Woodland
53	1576m NW	Unknown	Plantation on Ancient Woodland Site
U	1582m W	Unknown	Plantation on Ancient Woodland Site
X	1587m W	Unknown	Restored Ancient Woodland Site
54	1594m NE	Unknown	Restored Ancient Woodland Site
Y	1600m W	Unknown	Restored Ancient Woodland Site
U	1600m W	Unknown	Plantation on Ancient Woodland Site
-	1613m N	Unknown	Restored Ancient Woodland Site
Y	1623m W	Unknown	Plantation on Ancient Woodland Site
U	1636m W	Unknown	Restored Ancient Woodland Site
56	1636m NE	Unknown	Restored Ancient Woodland Site
57	1637m NE	Unknown	Restored Ancient Woodland Site
U	1640m W	Unknown	Plantation on Ancient Woodland Site
U	1642m W	Unknown	Plantation on Ancient Woodland Site
Y	1646m W	Unknown	Plantation on Ancient Woodland Site
U	1650m W	Unknown	Restored Ancient Woodland Site
-	1671m N	Unknown	Ancient Semi Natural Woodland
58	1683m NW	Unknown	Plantation on Ancient Woodland Site
AA	1683m W	Unknown	Ancient Semi Natural Woodland
-	1697m N	Unknown	Restored Ancient Woodland Site
60	1700m NW	Unknown	Restored Ancient Woodland Site
Y	1722m W	Unknown	Restored Ancient Woodland Site
-	1728m N	Unknown	Restored Ancient Woodland Site
61	1735m NE	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
62	1735m NE	Unknown	Ancient Semi Natural Woodland
-	1754m N	Unknown	Ancient Semi Natural Woodland
Y	1757m W	Unknown	Restored Ancient Woodland Site
-	1763m N	Unknown	Ancient Semi Natural Woodland
65	1774m NE	Unknown	Ancient Semi Natural Woodland
66	1775m NE	Unknown	Restored Ancient Woodland Site
-	1796m N	Unknown	Restored Ancient Woodland Site
68	1802m E	Unknown	Restored Ancient Woodland Site
69	1814m W	Unknown	Plantation on Ancient Woodland Site
70	1826m NE	Unknown	Restored Ancient Woodland Site
-	1829m N	Unknown	Ancient Woodland Site of Unknown Category
-	1839m N	Unknown	Ancient Semi Natural Woodland
73	1842m NW	Unknown	Ancient Woodland Site of Unknown Category
-	1858m N	Unknown	Restored Ancient Woodland Site
75	1858m NW	Unknown	Ancient Semi Natural Woodland
-	1861m N	Unknown	Restored Ancient Woodland Site
-	1872m N	Unknown	Restored Ancient Woodland Site
AD	1874m NW	Unknown	Restored Ancient Woodland Site
AF	1895m NE	Unknown	Restored Ancient Woodland Site
AF	1900m NE	Unknown	Plantation on Ancient Woodland Site
AD	1911m NW	Unknown	Restored Ancient Woodland Site
AD	1947m NW	Unknown	Restored Ancient Woodland Site
AD	1979m NW	Unknown	Ancient Semi Natural Woodland
-	1982m N	Unknown	Restored Ancient Woodland Site
AD	1986m NW	Unknown	Restored Ancient Woodland Site
77	1987m NE	Unknown	Restored Ancient Woodland Site
Z	1994m NE	Unknown	Ancient Semi Natural Woodland

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



10.8 Biosphere Reserves

Records within 2000m	0
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Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

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

10.9 Forest Parks

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

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

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

10.11 Green Belt

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

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

10.12 Proposed Ramsar sites

Records within 2000m	0
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Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

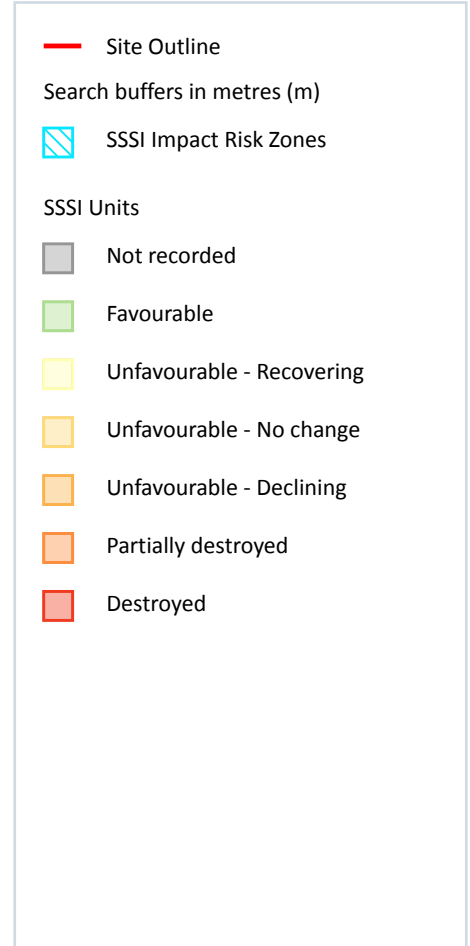
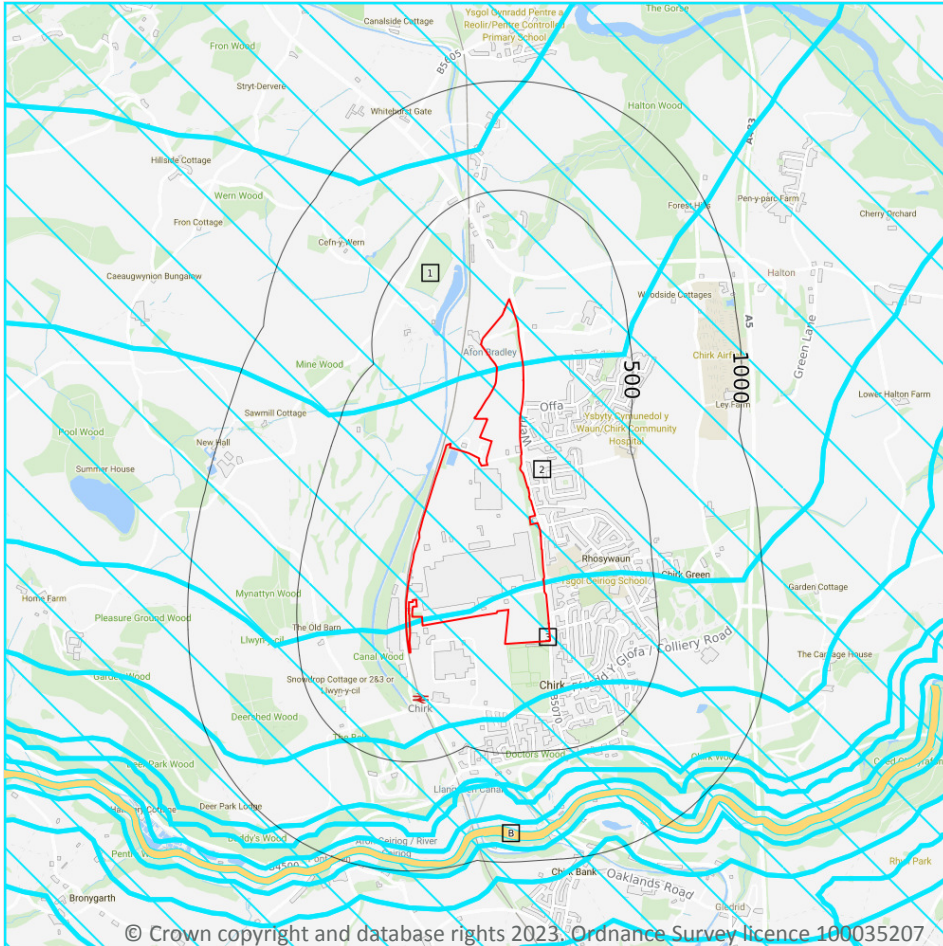
0

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

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

3

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

Features are displayed on the SSSI Impact Zones and Units map on [page 116](#) >



ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t)</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p>
2	On site	<p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.</p>
3	On site	<p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Residential - Residential development of 100 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p>

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

2

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

Features are displayed on the SSSI Impact Zones and Units map on [page 116 >](#)

ID: B
 Location: 734m S
 SSSI name: River Dee (England)
 Unit name: River Ceiriog Tributary
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	25/08/2010
Nationally rare and scarce dragonfly species - <i>Gomphus vulgatissimus</i> , Club-tailed Dragonfly	Favourable	25/08/2010
Otter, <i>Lutra lutra</i>	Favourable	25/08/2010
River supporting habitat	Unfavourable - No change	25/08/2010
Rivers and Streams	Unfavourable - No change	25/08/2010
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	25/08/2010

ID: -
 Location: 1884m E
 SSSI name: River Dee (England)
 Unit name: River Ceiriog Tributary
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	25/08/2010
Nationally rare and scarce dragonfly species - <i>Gomphus vulgatissimus</i> , Club-tailed Dragonfly	Favourable	25/08/2010
Otter, <i>Lutra lutra</i>	Favourable	25/08/2010

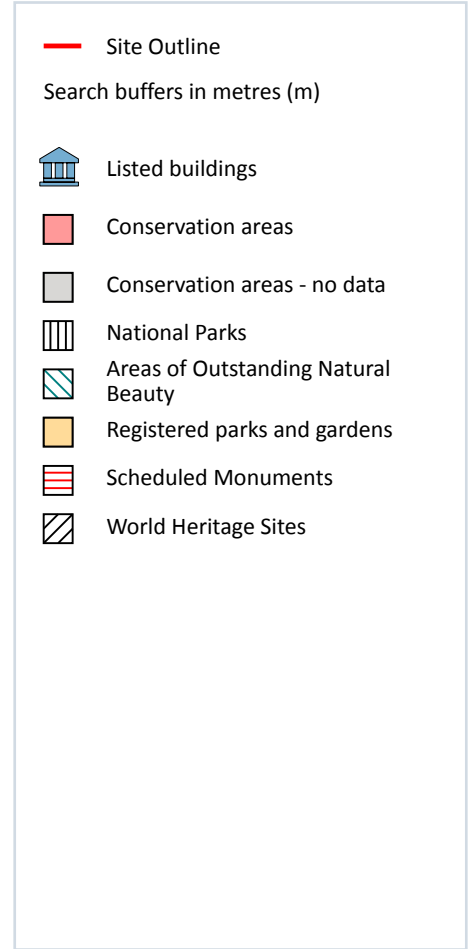
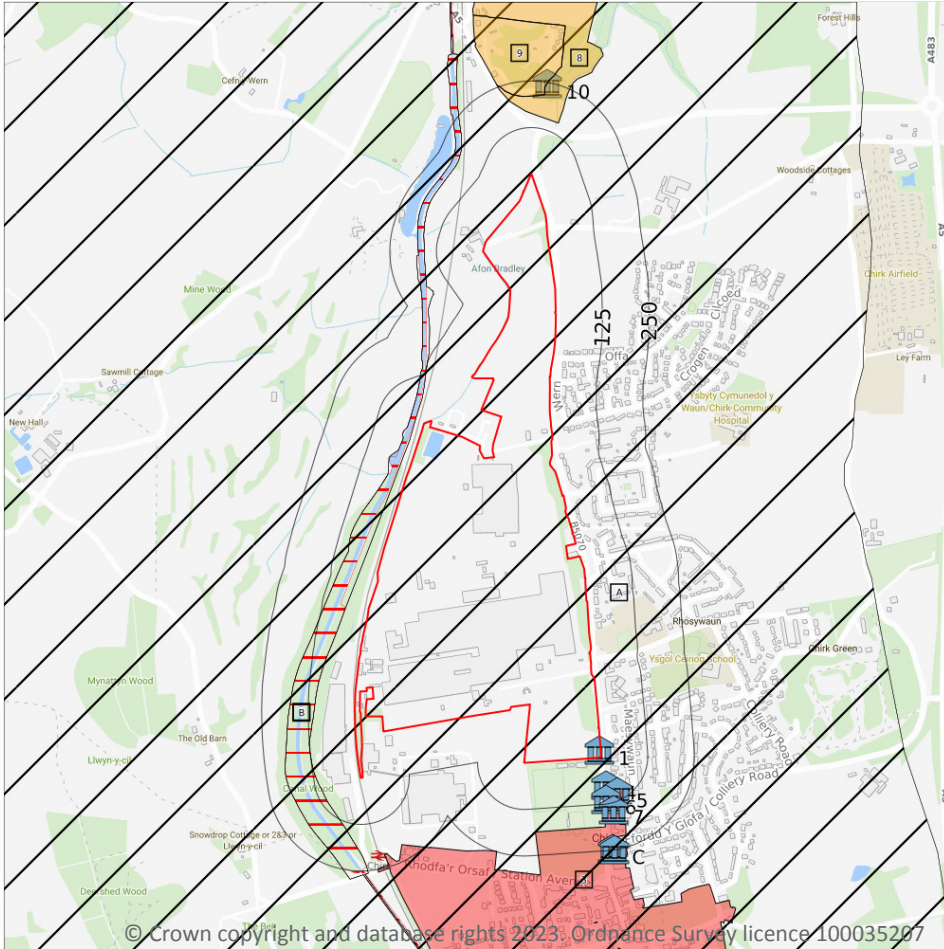


Feature name	Feature condition	Date of assessment
River supporting habitat	Unfavourable - No change	25/08/2010
Rivers and Streams	Unfavourable - No change	25/08/2010
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	25/08/2010

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



11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

4

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

Features are displayed on the Visual and cultural designations map on [page 120](#) >

ID	Location	Name	Data Source
A	On site	Pontcysyllte Aqueduct and Canal Buffer Zone	Historic England
A	On site	Pontcysyllte Aqueduct and Canal Essential Setting	CADW
B	24m NW	Pontcysyllte Aqueduct and Canal	CADW



ID	Location	Name	Data Source
B	24m NW	Pontcysyllte Aqueduct and Canal	Historic England

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

11.2 Area of Outstanding Natural Beauty

Records within 250m **0**

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

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

11.3 National Parks

Records within 250m **0**

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

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

11.4 Listed Buildings

Records within 250m **8**

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

Features are displayed on the Visual and cultural designations map on [page 120 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	On site	Milestone, The Milestone Is In The Hedge, Close To The Road And Opposite A Property Named Hilbre On The Maes-Y-Waun Estate At The N End Of The Town.	II	20236	29/07/1998



ID	Location	Name	Grade	Reference Number	Listed date
4	74m SE	North Gate Piers To Chirk Town Council Offices, The Council Offices Are Opposite The Recreation Ground At The N End Of Chirk. The Paved Forecourt Has Two Entrances, One At Each End Of The Frontage.	II	20228	29/07/1998
5	103m SE	Chirk Town Council Offices, The Building Lies 250m N And On The Same Side Of The Road As The Hand Hotel.	II	20215	29/07/1998
6	111m SE	South Gate Piers To Chirk Town Council Offices, The Council Offices Lie 250m N Of The Hand Hotel, On The Same Side Of The Street.	II	20229	29/07/1998
7	142m SE	Chirk Furniture And Carpet Centre And Dwelling, The Building Is At The N End Of Chirk Centre, Facing Across The Recreation Ground.	II	1290	03/12/1973
C	246m S	7,hand Terrace,chirk,wrexham,ll14 5eu, The Terrace Fronts The Holyhead Road, Immediately N Of The Hand Hotel.	II	20222	29/07/1998
10	247m N	Whitehurst Garden Gatepiers With Gates And Perimeter Garden Wall, Whitehurst Gardens Adjoin The Holyhead Road C150m Nw Of The Roundabout At The N End Of Chirk. Two Points Of Access, The Upper To Whitehurst House.	II	1286	03/12/1973
C	250m SE	6,hand Terrace,chirk,wrexham,ll14 5eu, The Terrace Fronts The Holyhead Road, Immediately N Of The Hand Hotel.	II	20221	29/07/1998

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

11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 120 >](#)

ID	Location	Name	District	Date of designation
3	69m SE	Chirk	WREXHAM	1975-08-29

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



11.6 Scheduled Ancient Monuments

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 120 >](#)

ID	Location	Ancient monument name	Reference number
2	27m NW	Pontcysyllte Aqueduct and Canal	3128

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

11.7 Registered Parks and Gardens

Records within 250m

2

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

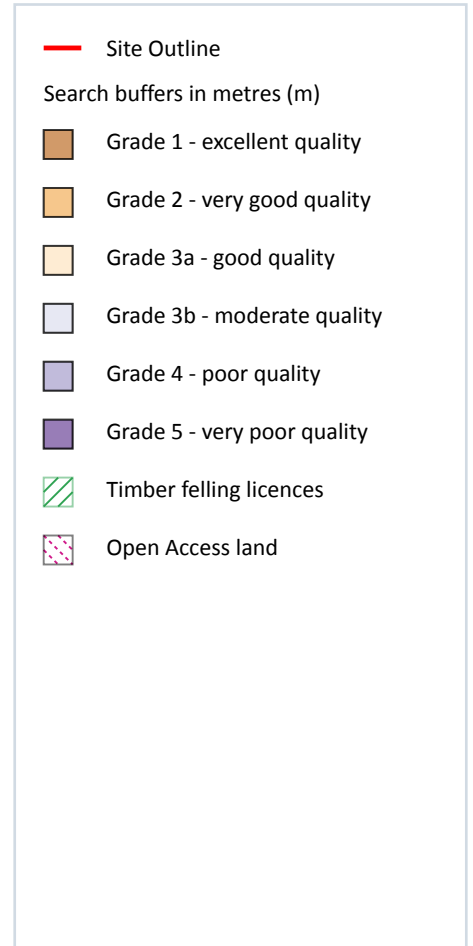
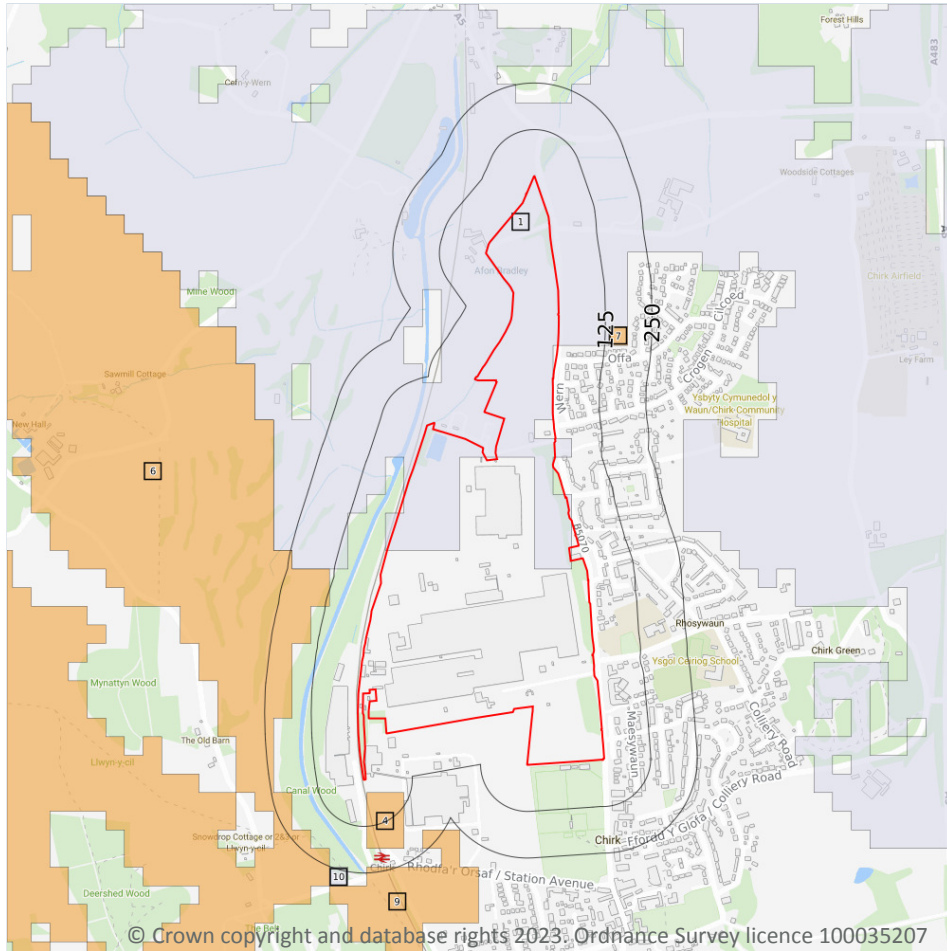
Features are displayed on the Visual and cultural designations map on [page 120 >](#)

ID	Location	Name	Grade
8	154m N	Whitehurst	
9	209m N	Whitehurst	II*

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

6

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

Features are displayed on the Agricultural designations map on [page 124 >](#)

ID	Location	Classification	Description
1	On site	Grade 3b	Moderate quality agricultural land
4	35m SW	Grade 2	Good quality agricultural land
6	114m W	Grade 2	Good quality agricultural land

ID	Location	Classification	Description
7	135m NE	Grade 2	Good quality agricultural land
9	204m S	Grade 2	Good quality agricultural land
10	238m SW	Grade 3b	Moderate quality agricultural land

This data is sourced from Natural Resources Wales.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

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



This data is sourced from Natural England.



13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m	0
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Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

13.2 Habitat Networks

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

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

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

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

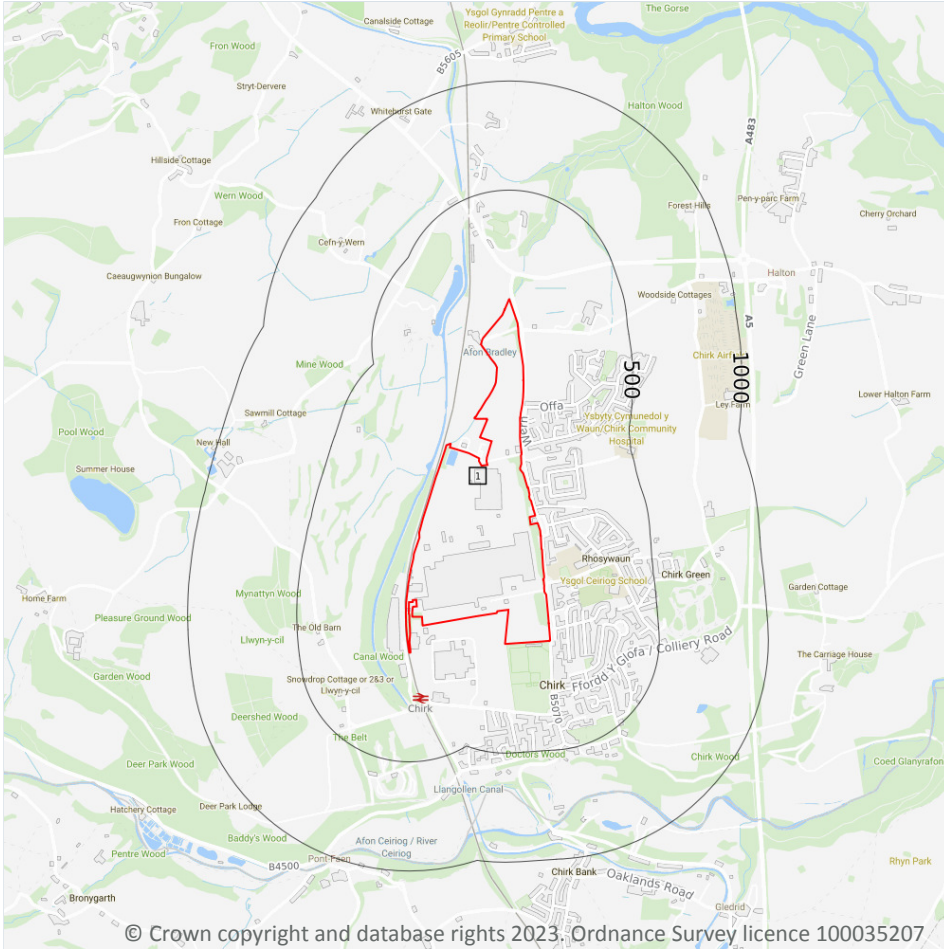
Records within 250m	0
---------------------	---

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 128 >](#)

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

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

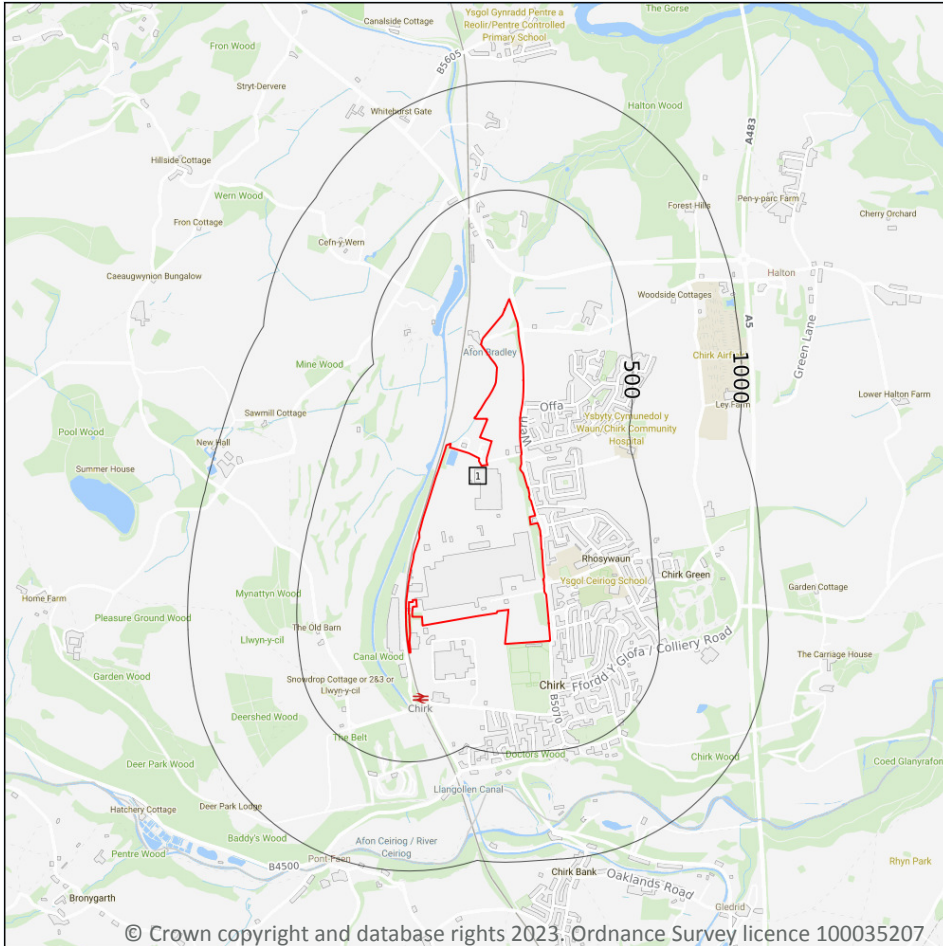
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme. Where 50k data is not available, this area has been filled in with 625k scale data.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 132](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW121_wrexham_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

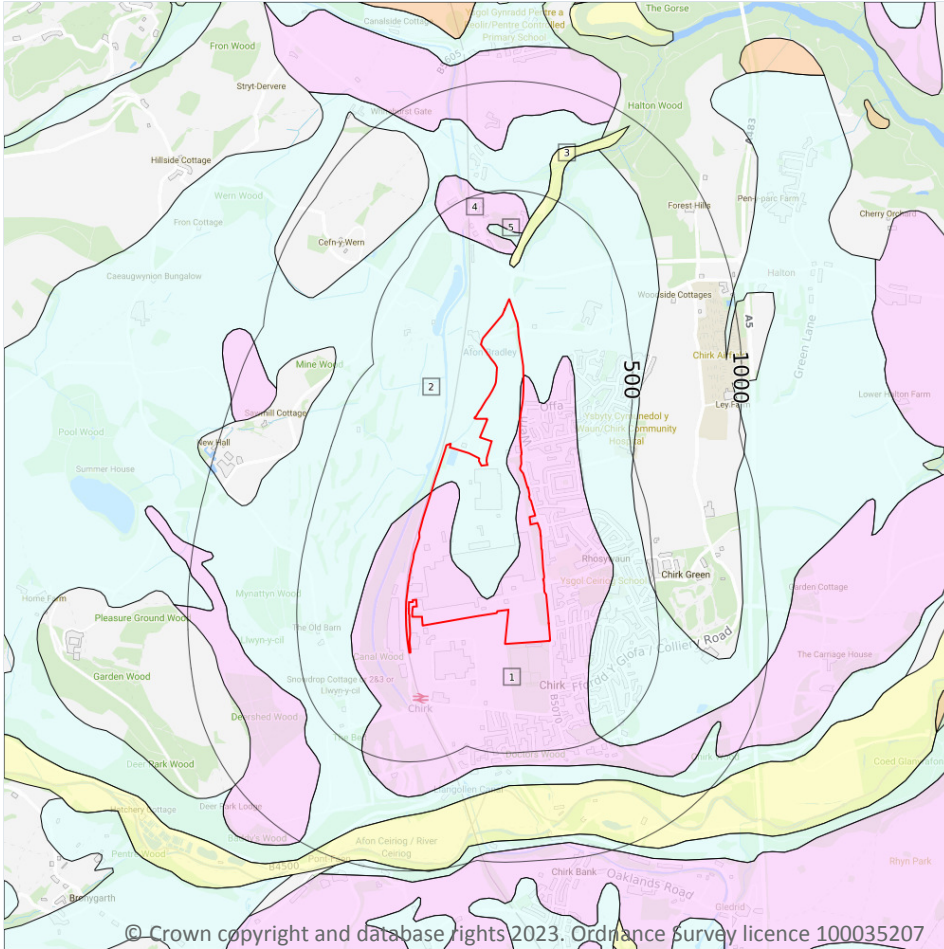
0


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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

5

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 134 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
2	On site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	148m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	207m N	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
5	242m N	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

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

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Low
On site	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

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

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

This data is sourced from the British Geological Survey.

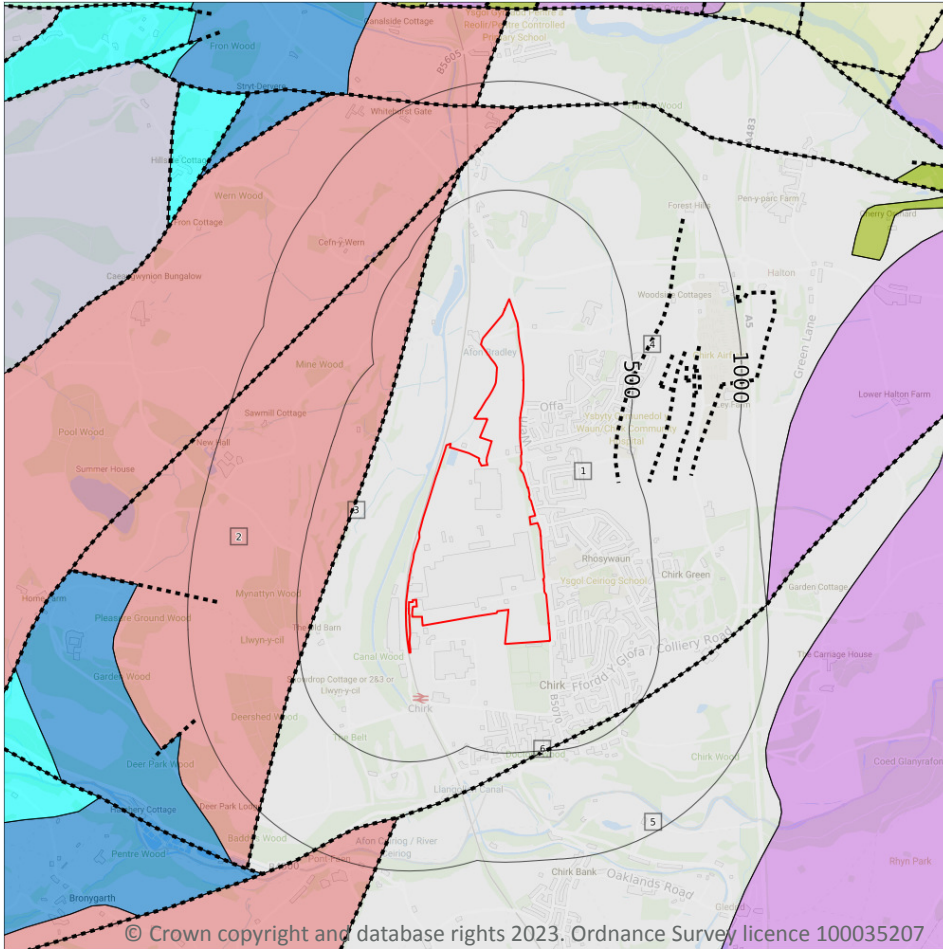
15.7 Landslip permeability (50k)

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

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 136](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLMC-MDSS	PENNINE LOWER COAL MEASURES FORMATION AND PENNINE MIDDLE COAL MEASURES FORMATION (UNDIFFERENTIATED) - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
2	311m NW	CFS-SDAR	CEFN-Y-FEDW SANDSTONE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] ARGILLACEOUS ROCKS, INTERBEDDED	VISEAN
5	442m SE	PLMC-MDSS	PENNINE LOWER COAL MEASURES FORMATION AND PENNINE MIDDLE COAL MEASURES FORMATION (UNDIFFERENTIATED) - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

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

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	3
----------------------------	----------

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

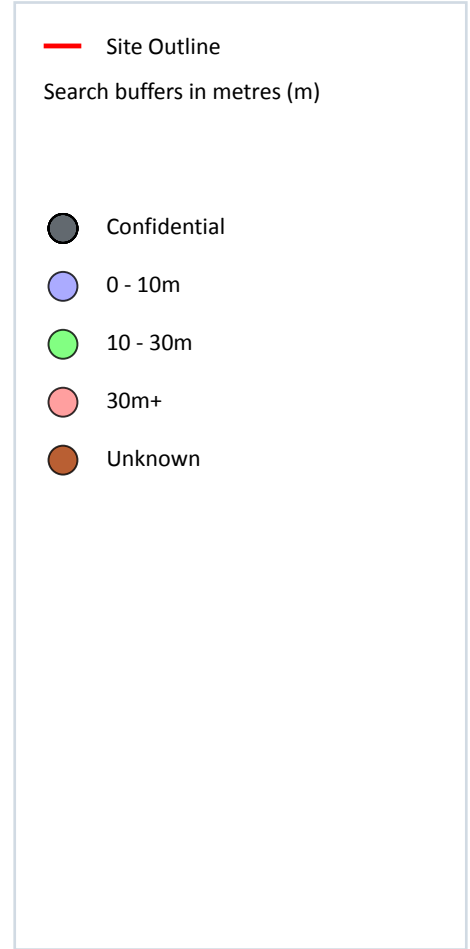
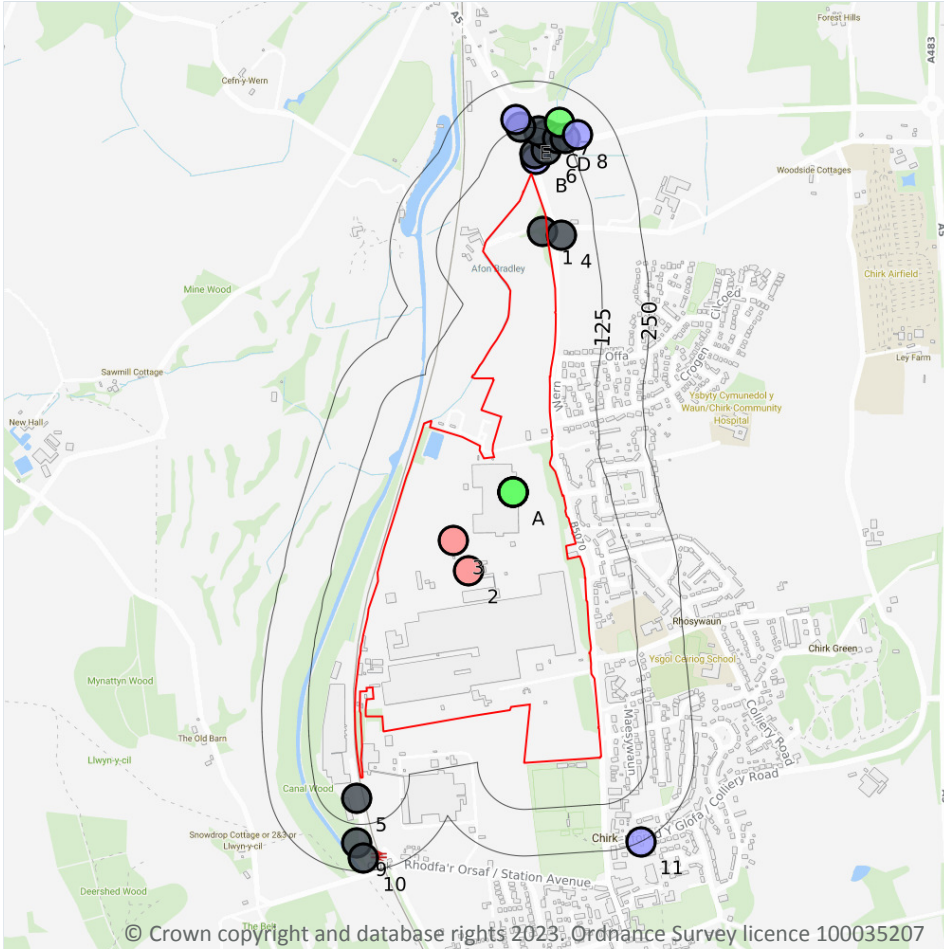
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 136 >](#)

ID	Location	Category	Description
3	311m NW	FAULT	Fault, inferred, displacement unknown
4	409m E	ROCK	Coal seam, inferred
6	442m SE	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

25

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

Features are displayed on the Boreholes map on [page 138](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	328880 339500	OVERTON TO CHIRK GAS PIPELINE SHROPSHIRE 1A	-	Y	N/A
2	On site	328680 338590	KRONOSPAN LIMITED CHIRK	33.0	N	142233 ↗

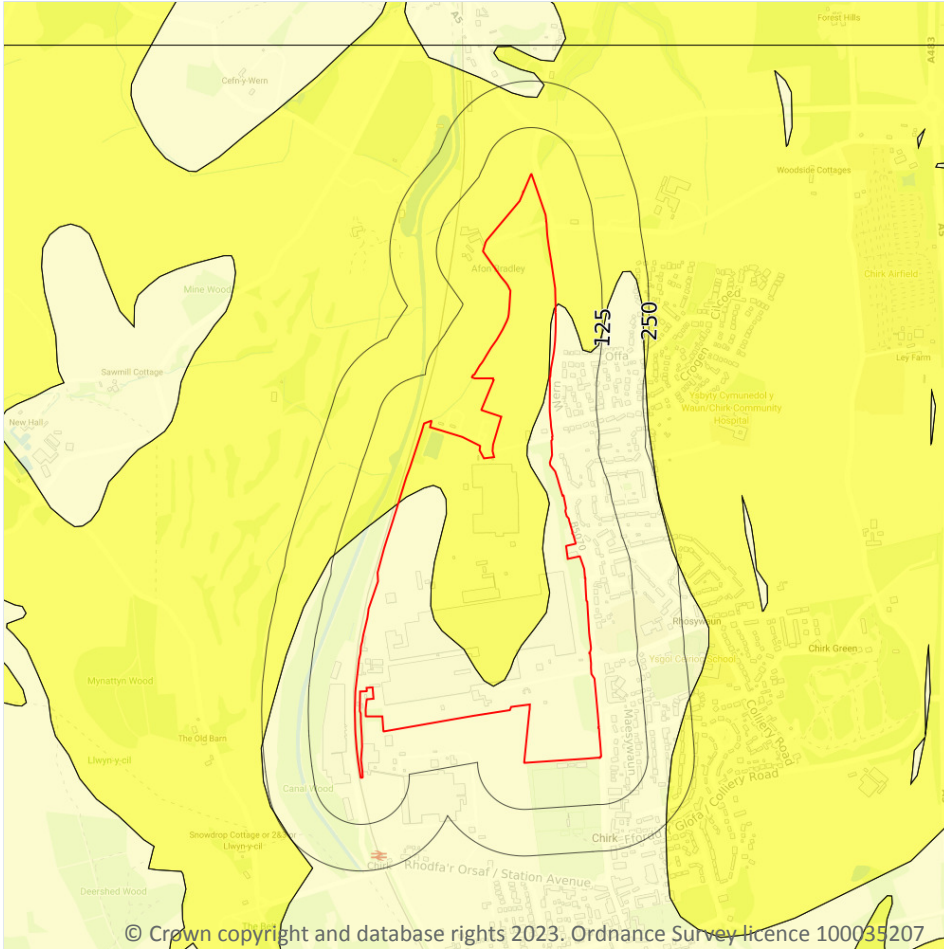


ID	Location	Grid reference	Name	Length	Confidential	Web link
3	On site	328640 338670	KRONOSPAN LIMITED CHIRK	34.0	N	142232 ↗
A	On site	328800 338800	OXY-METAL FINISHINGS NO. 2	9.0	N	142328 ↗
A	On site	328800 338800	OXY-METAL FINISHINGS NO. 3	9.0	N	142329 ↗
A	On site	328800 338800	OXY-METAL FINISHINGS NO. 6	10.0	N	142332 ↗
A	On site	328800 338800	OXY-METAL FINISHINGS,CHIRK, NO 1	9.0	N	142327 ↗
A	On site	328800 338800	OXY-METAL FINISHINGS NO. 5	17.0	N	142331 ↗
A	On site	328800 338800	OXY-METAL FINISHINGS NO. 4	12.5	N	142330 ↗
4	37m N	328930 339490	OVERTON TO CHIRK GAS PIPELINE SHROPSHIRE 1	-	Y	N/A
B	41m N	328862 339693	RUABON BYPASS 359	6.0	N	142181 ↗
5	56m SW	328380 337980	LADY MARGARETS PARK CHIRK 4	-	Y	N/A
B	57m N	328860 339710	RUABON NEWBRIDGE CHIRK BYPASSES TP 557	-	Y	N/A
6	77m N	328890 339720	RUABON NEWBRIDGE CHIRK BYPASSES TP 562	-	Y	N/A
C	114m N	328890 339760	RUABON NEWBRIDGE CHIRK BYPASSES 513	-	Y	N/A
C	118m N	328870 339770	RUABON NEWBRIDGE CHIRK BYPASSES TP 556	-	Y	N/A
D	119m N	328920 339750	RUABON NEWBRIDGE CHIRK BYPASSES 514	-	Y	N/A
E	130m N	328820 339780	RUABON NEWBRIDGE CHIRK BYPASSES TP 555	-	Y	N/A
D	132m N	328940 339750	RUABON NEWBRIDGE CHIRK BYPASSES TP 558	-	Y	N/A
E	152m N	328808 339800	RUABON BYPASS 360	5.0	N	142180 ↗
7	159m N	328926 339793	RUABON BYPASS 38	20.0	N	142182 ↗
8	162m N	328973 339759	RUABON BYPASS 358	5.0	N	142183 ↗
9	175m SW	328380 337860	LADY MARGARETS PARK CHIRK 3	-	Y	N/A
10	214m S	328400 337820	LADY MARGARETS PARK CHIRK 2	-	Y	N/A
11	250m SE	329143 337863	COLLIERY ROAD CHIRK WREXHAM TP 4	4.3	N	15986401 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

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

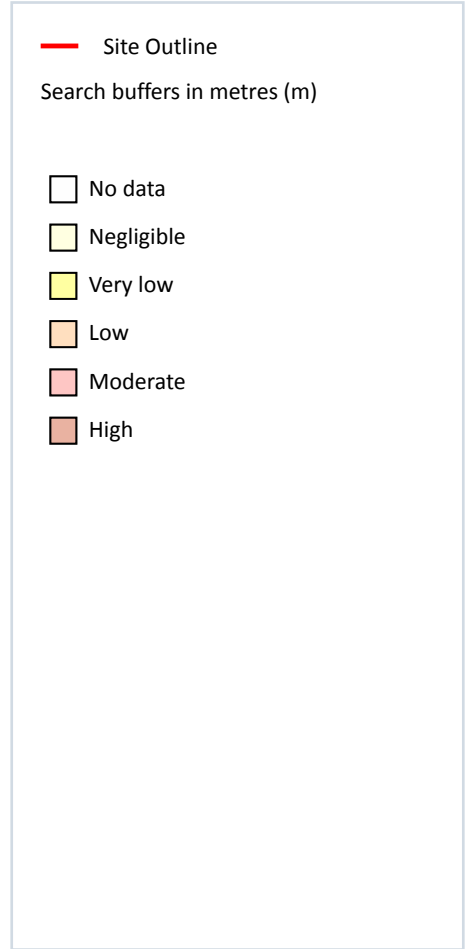
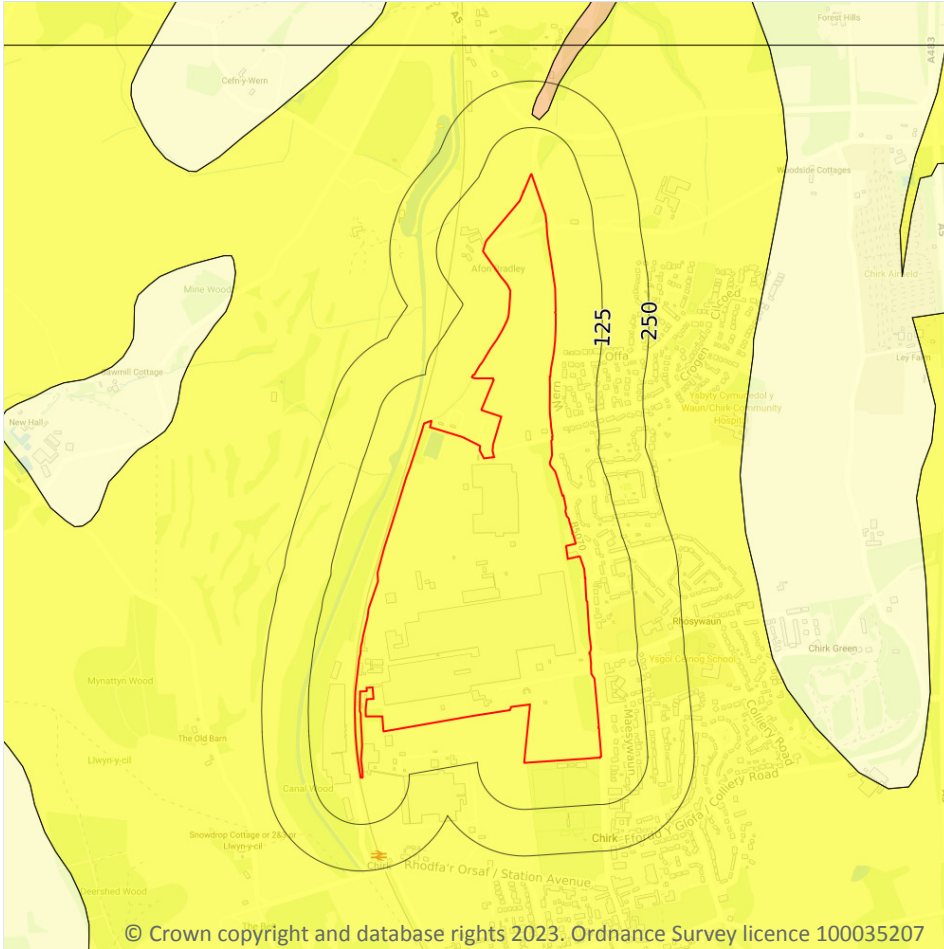
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 140](#) >

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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17.2 Running sands

Records within 50m

1

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

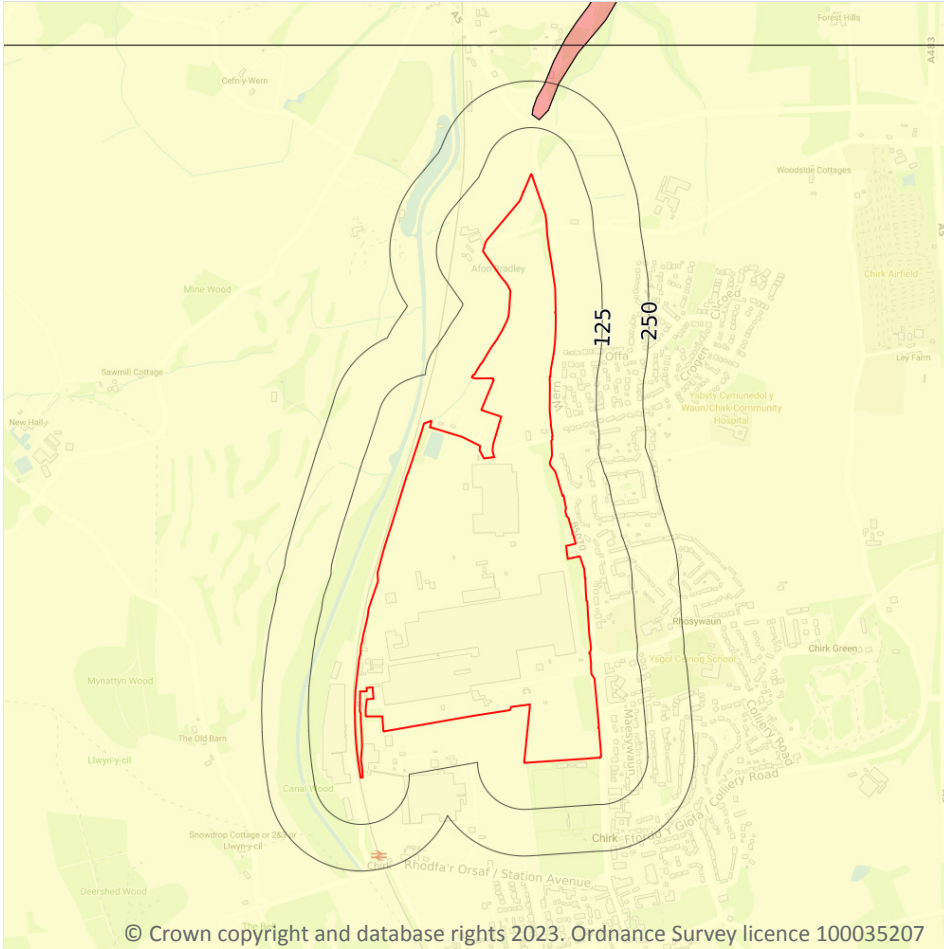
Features are displayed on the Natural ground subsidence - Running sands map on [page 141](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

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

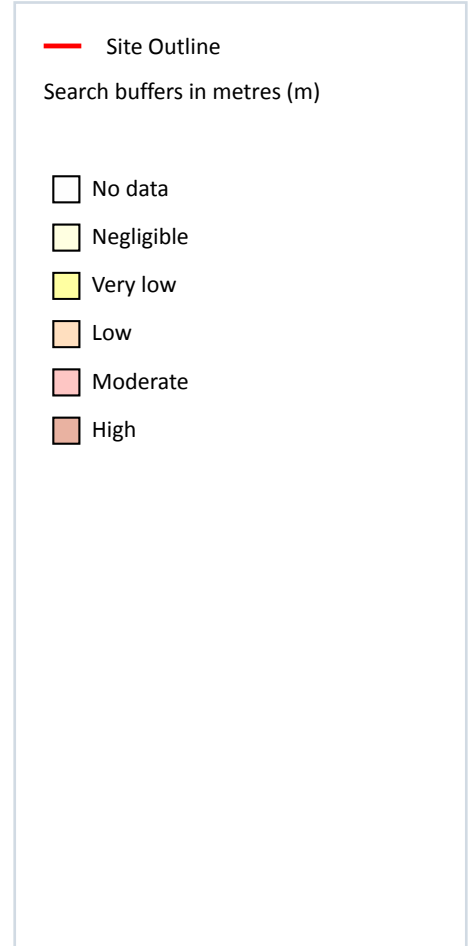
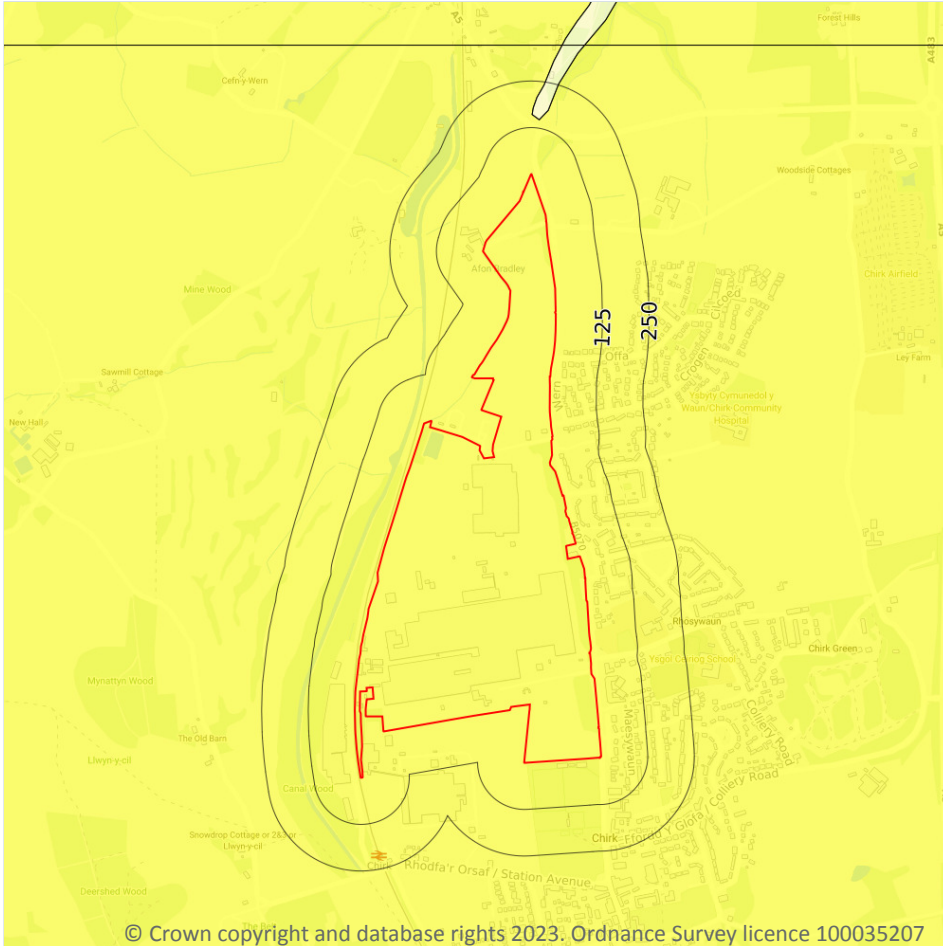
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 142 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

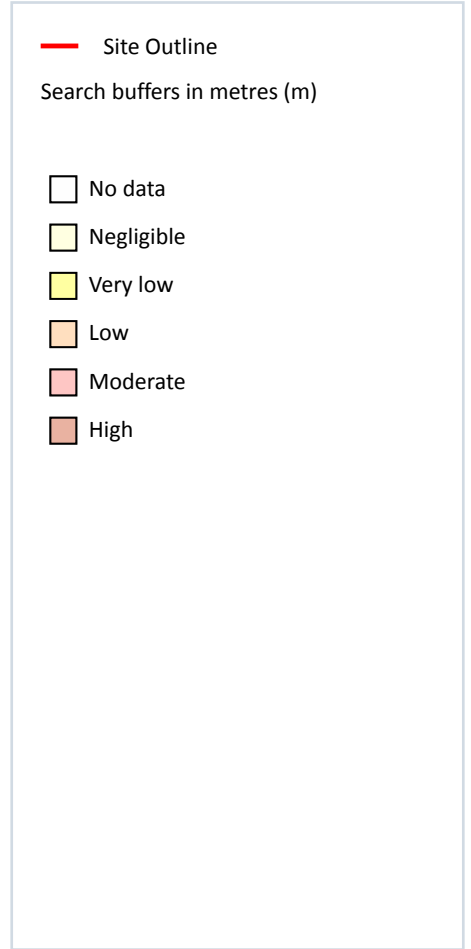
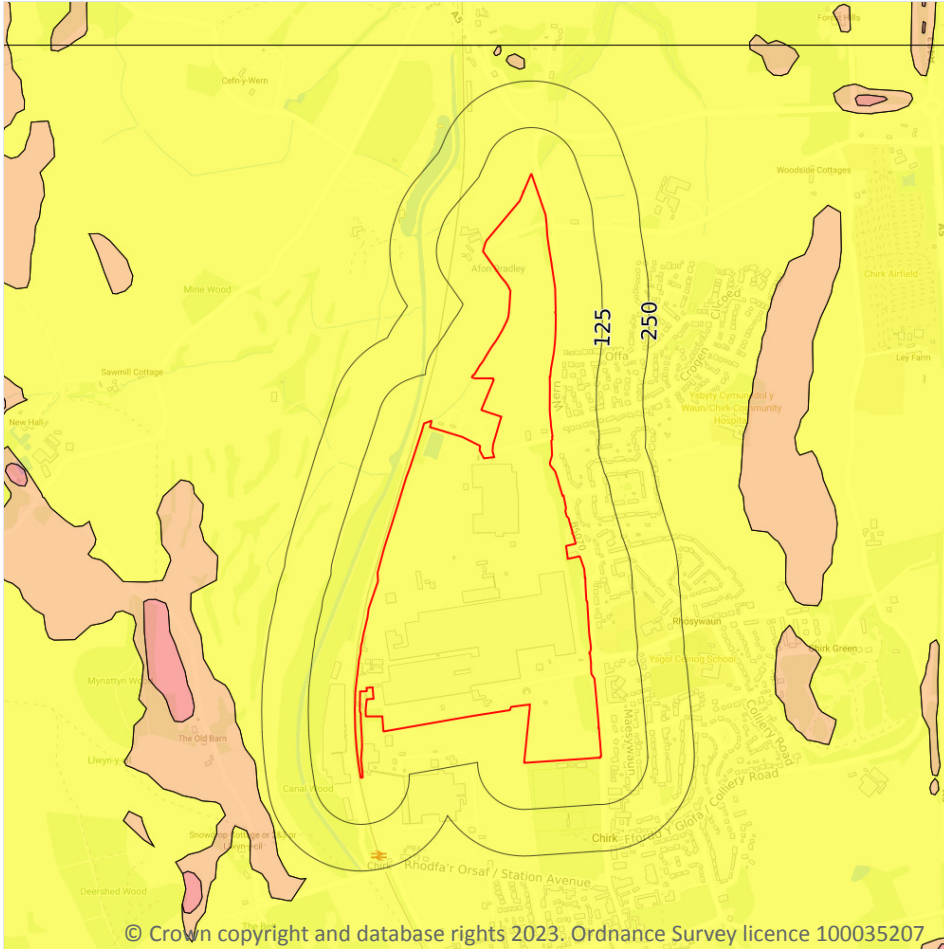
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 143 >](#)

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

1

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

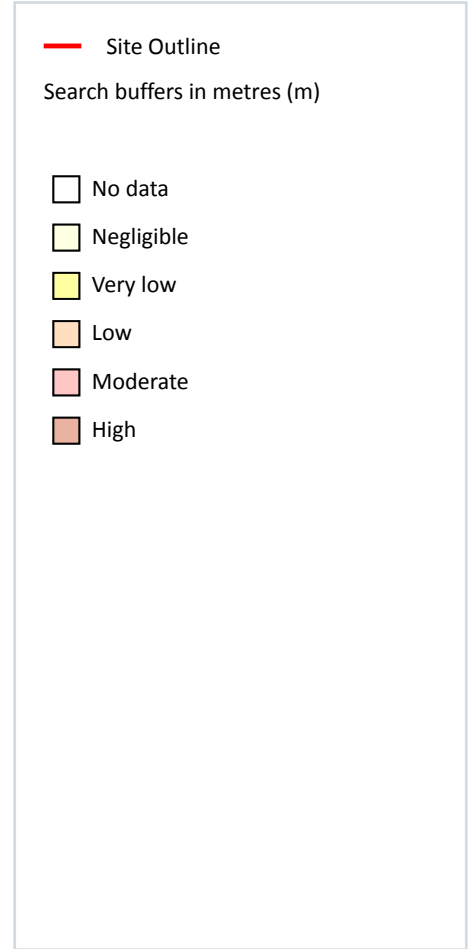
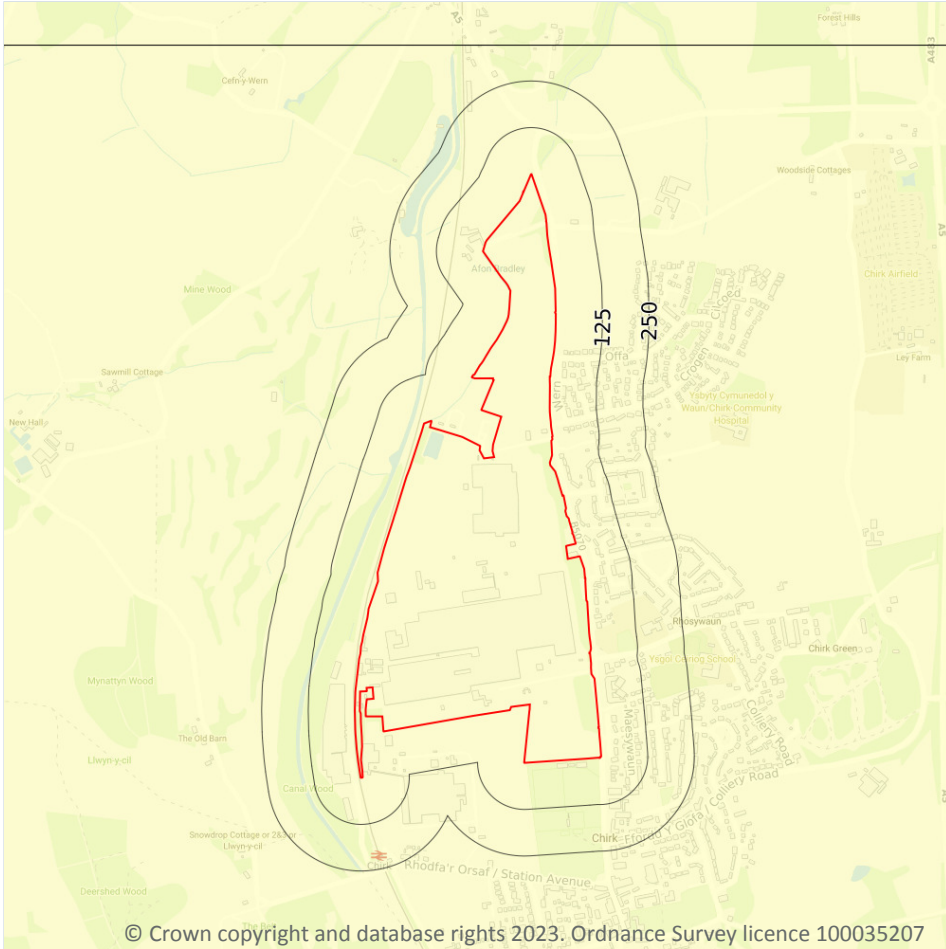
Features are displayed on the Natural ground subsidence - Landslides map on [page 144](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

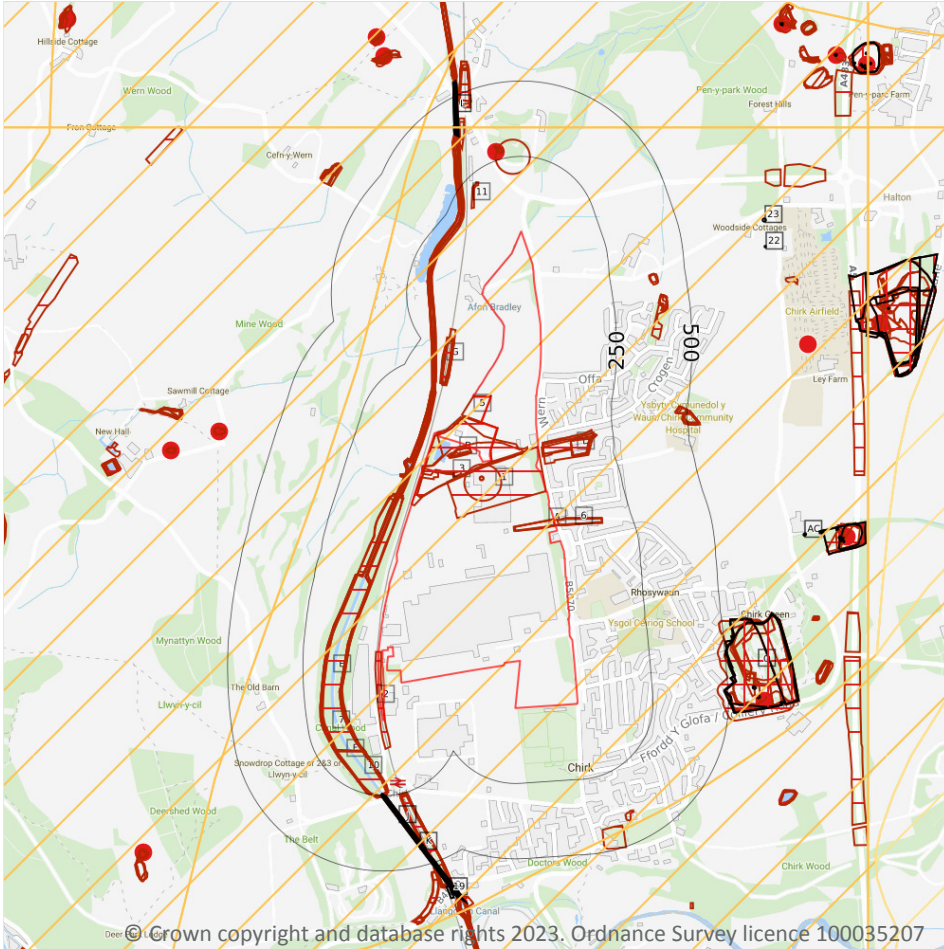
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 145 >](#)

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

This data is sourced from the British Geological Survey.



18 Mining and ground workings



18.1 BritPits

Records within 500m

1

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

Features are displayed on the Mining and ground workings map on [page 147 >](#)

ID	Location	Details	Description
I	277m N	Name: Chirk Castle Gardens Sand Pit Address: Chirk, LLANGOLLEN, Denbighshire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	46
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Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 147](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Unspecified Wharf	1954	1:10560
2	On site	Cuttings	1873	1:10560
3	On site	Ponds	1873	1:10560
4	On site	Cuttings	1949	1:10560
5	On site	Sewage Works	1949	1:10560
A	On site	Cuttings	1954	1:10560
A	On site	Cuttings	1914	1:10560
B	On site	Unspecified Pit	1954	1:10560
B	On site	Unspecified Wharf	1873	1:10560
B	On site	Unspecified Pit	1914	1:10560
B	On site	Pond	1873	1:10560
B	On site	Unspecified Pit	1914	1:10560
B	On site	Unspecified Wharf	1899	1:10560
B	On site	Sewage Works	1992	1:10000
B	On site	Sewage Works	1977	1:10000
B	On site	Unspecified Pit	1949	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
C	On site	Unspecified Wharf	1914	1:10560
C	On site	Unspecified Wharf	1914	1:10560
C	On site	Unspecified Wharf	1949	1:10560
6	9m E	Cuttings	1949	1:10560
D	12m NE	Unspecified Wharf	1899	1:10560
D	15m NE	Unspecified Wharf	1949	1:10560
D	15m NE	Unspecified Wharf	1898	1:10560
D	15m NE	Unspecified Wharf	1873	1:10560
E	27m NW	Canal	1898	1:10560
7	28m NW	Canal	1873	1:10560
8	28m NW	Canal	1899	1:10560
9	30m NW	Canal	1914	1:10560
E	31m NW	Canal	1949	1:10560
F	33m NW	Canal	1954	1:10560
F	33m NW	Canal	1992	1:10000
F	33m NW	Canal	1977	1:10000
G	95m N	Cuttings	1873	1:10560
G	100m N	Cuttings	1992	1:10000
G	100m N	Cuttings	1977	1:10000
G	100m N	Cuttings	1914	1:10560
G	102m N	Cuttings	1949	1:10560
G	102m N	Cuttings	1954	1:10560
D	108m NE	Unspecified Wharf	1954	1:10560
D	108m NE	Unspecified Wharf	1914	1:10560
D	108m NE	Unspecified Wharf	1914	1:10560
10	118m SW	Canal	1914	1:10560
H	121m SW	Canal	1914	1:10560
H	121m SW	Canal	1898	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
11	175m N	Unspecified Ground Workings	1977	1:10000
I	193m N	Sand Pit	1898	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

39

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

Features are displayed on the Mining and ground workings map on [page 147](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
J	245m S	Tunnel	1992	1:10000
J	245m S	Tunnel	1977	1:10000
J	245m S	Tunnel	1949	1:10560
K	250m S	Tunnel	1899	1:10560
K	250m S	Tunnel	1914	1:10560
K	250m S	Tunnel	1898	1:10560
K	251m S	Tunnel	1873	1:10560
L	378m N	Tunnel	1873	1:10560
L	383m N	Tunnel	1949	1:10560
L	387m N	Tunnel	1949	1:10560
L	390m N	Tunnel	1992	1:10000
L	390m N	Tunnel	1977	1:10000
L	393m N	Tunnel	1898	1:10560
L	405m N	Tunnel	1994	1:10000
L	405m N	Tunnel	1974	1:10000
L	405m N	Tunnel	1985	1:10000
L	406m N	Tunnel	1960	1:10560
Q	488m SE	Disused Colliery	1949	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
Q	488m SE	Colliery	1898	1:10560
Q	490m SE	Disused Colliery	1949	1:10560
Q	583m SE	Unspecified Disused Shafts	1977	1:10000
19	590m S	Tunnel	1992	1:10000
Q	594m SE	Unspecified Disused Shafts	1977	1:10000
22	771m NE	Coal Shaft	1873	1:10560
23	777m NE	Unspecified Disused Shaft	1977	1:10000
AC	795m E	Old Coal Shafts	1949	1:10560
AC	797m E	Old Coal Shafts	1949	1:10560
AG	849m E	Old Coal Shafts	1949	1:10560
AG	857m E	Old Coal Shafts	1949	1:10560
AG	861m E	Colliery	1873	1:10560
AG	905m E	Unspecified Old Shafts	1898	1:10560
AG	909m E	Unspecified Old Shafts	1899	1:10560
AG	910m E	Old Coal Shafts	1949	1:10560
AG	913m E	Old Coal Shafts	1949	1:10560
AG	915m E	Unspecified Shafts	1873	1:10560
AG	916m E	Old Coal Shafts	1949	1:10560
AG	917m E	Old Coal Shafts	1949	1:10560
AG	923m E	Unspecified Shafts	1873	1:10560
AG	925m E	Unspecified Shafts	1873	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

8

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

Features are displayed on the Mining and ground workings map on [page 147 >](#)

ID	Location	Name	Commodity	Class	Likelihood
A	On site	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
12	311m NW	Berwyn Hills	Vein Mineral	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
13	346m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
16	442m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
17	476m N	Berwyn Hills	Vein Mineral	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.



ID	Location	Name	Commodity	Class	Likelihood
28	878m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
32	963m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
33	970m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

1

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

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

This data is sourced from the Coal Authority.



18.13 Brine areas

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

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

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

18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

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

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

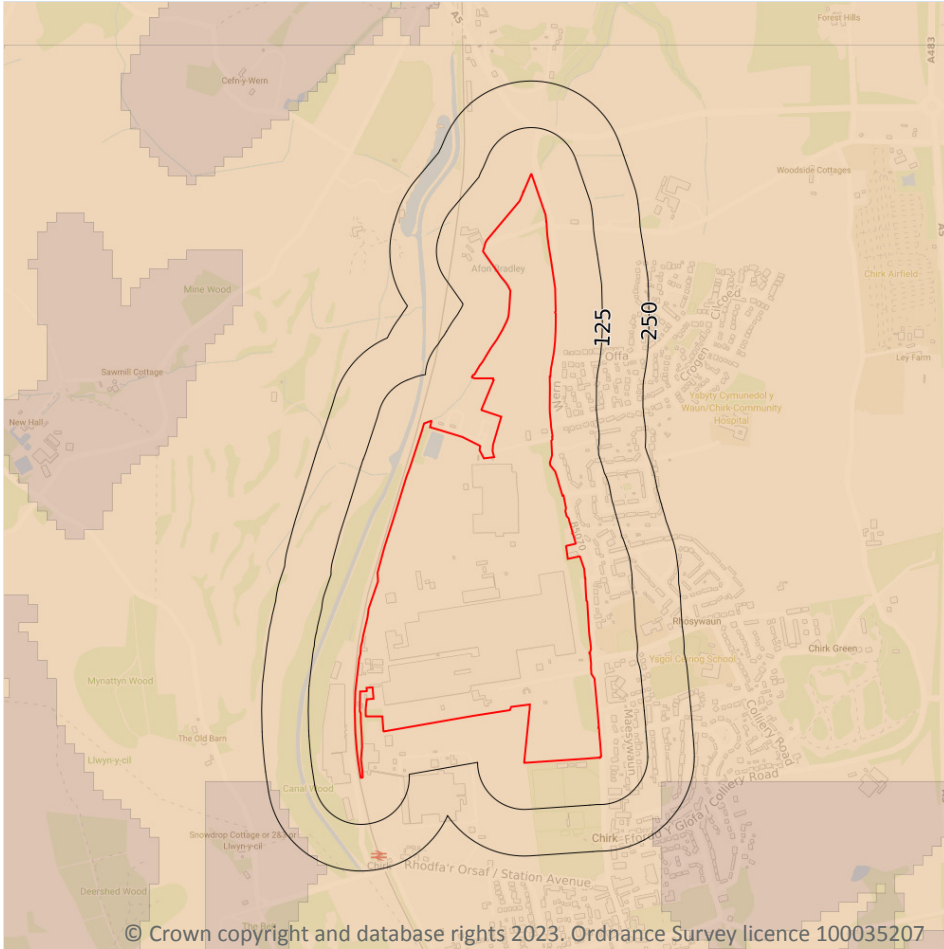
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



— Site Outline
Search buffers in metres (m)

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

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20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 158](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 5% and 10%	Basic



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

16

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
34m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

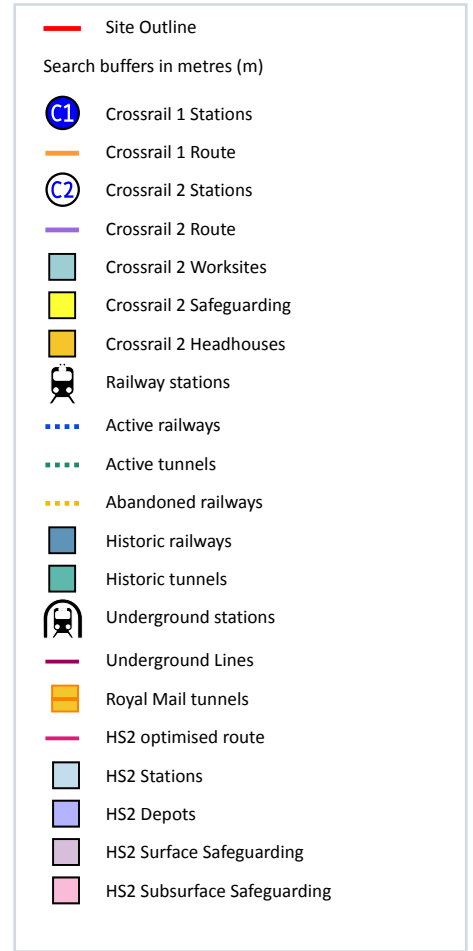
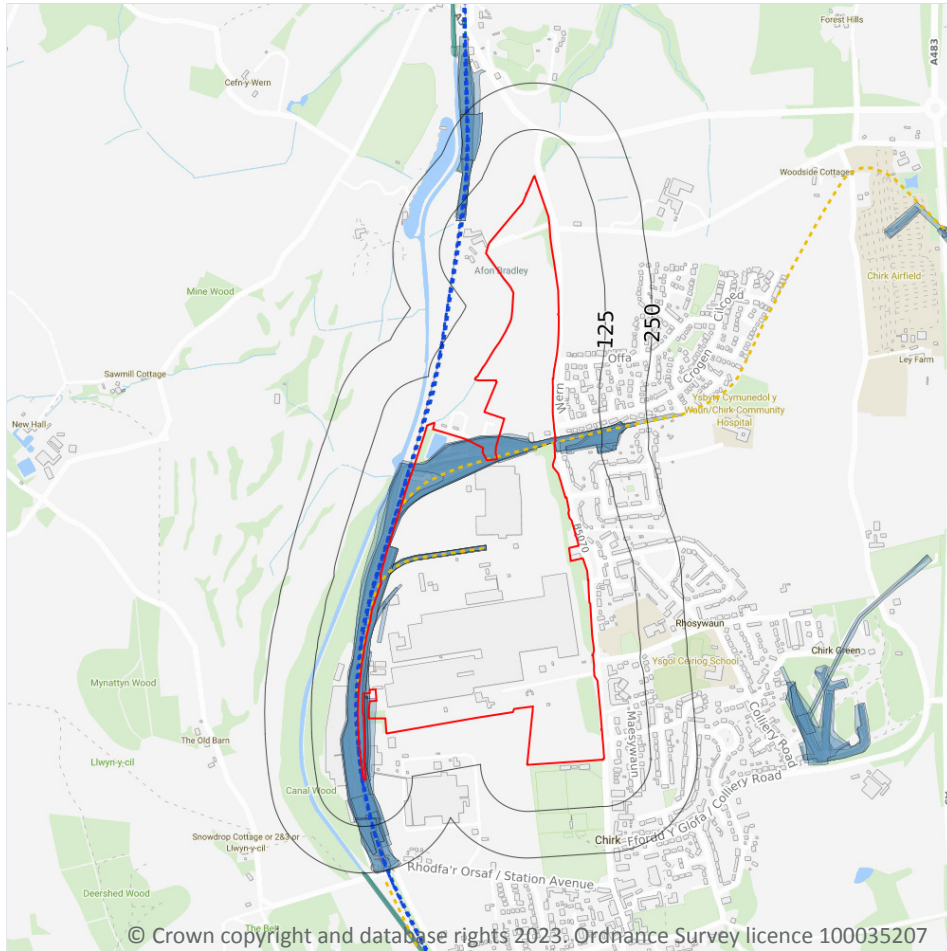
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0
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Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	65
----------------------------	-----------

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

Features are displayed on the Railway infrastructure and projects map on [page 162 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1973	2500
On site	Railway Sidings	1960	2500
On site	Railway Sidings	1984	2500
On site	Railway Sidings	1988	2500
On site	Railway Sidings	1990	2500
On site	Railway Sidings	1992	2500
On site	Railway Sidings	1999	2500
On site	Railway Sidings	1995	2500
On site	Tramway Sidings	1899	2500
On site	Tramway Sidings	1912	2500
On site	Railway Sidings	1873	2500
On site	Railway Sidings	1899	2500
On site	Railway Sidings	1912	2500
On site	Railway Sidings	1873	10560
On site	Railway Sidings	1899	10560
On site	Railway Sidings	1992	10000
On site	Tramway Sidings	1954	10560



Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1949	10560
On site	Railway Sidings	1898	10560
On site	Railway Sidings	1914	10560
3m SW	Railway Sidings	1999	2500
3m SW	Railway Sidings	1995	2500
12m NE	Railway Sidings	1899	10560
28m NE	Railway Sidings	1899	2500
31m NE	Railway Sidings	1873	10560
31m NE	Railway Sidings	1914	10560
34m SW	Railway Sidings	1960	2500
34m SW	Railway Sidings	1960	2500
35m SW	Railway Sidings	1976	2500
35m SW	Railway Sidings	1994	2500
35m SW	Railway Sidings	1961	-
35m SW	Railway Sidings	1961	2500
35m SW	Railway Sidings	1984	2500
41m SW	Railway Sidings	1977	10000
87m N	Railway Sidings	1949	10560
87m N	Railway Sidings	1898	10560
89m SW	Railway Sidings	1873	2500
90m SW	Railway Sidings	1873	10560
95m N	Tramway Sidings	1954	10560
96m N	Railway Sidings	1960	2500
98m N	Railway Sidings	1914	10560
101m SW	Railway Sidings	1914	10560
101m N	Railway Sidings	1899	2500
101m N	Railway Sidings	1912	2500
103m SW	Railway Sidings	1912	2500



Location	Land Use	Year of mapping	Mapping scale
103m SW	Railway Sidings	1912	2500
105m SW	Railway Sidings	1899	2500
106m SW	Railway Sidings	1912	2500
106m SW	Railway Sidings	1899	2500
106m SW	Railway Sidings	1914	10560
106m SW	Railway Sidings	1898	10560
128m SW	Railway Sidings	1874	2500
163m N	Railway Sidings	1992	10000
163m N	Railway Sidings	1977	10000
178m N	Railway Sidings	1899	2500
178m N	Railway Sidings	1912	2500
245m S	Tunnel	1992	10000
245m S	Tunnel	1977	10000
245m S	Tunnel	1954	10560
249m S	Tunnel	1976	2500
249m S	Tunnel	1960	2500
249m S	Tunnel	1912	2500
249m S	Tunnel	1984	2500
250m S	Tunnel	1914	10560
250m S	Tunnel	1899	10560

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0
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The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.



22.6 Historical railways

Records within 250m

4

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

Features are displayed on the Railway infrastructure and projects map on [page 162 >](#)

Location	Description
On site	Abandoned
On site	Razed
On site	Razed
2m SW	Disused

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

21

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

Features are displayed on the Railway infrastructure and projects map on [page 162 >](#)

Location	Name	Type
On site	Shrewsbury to Chester Line	rail
2m SW	Not given	Multi Track
3m SW	Not given	Multi Track
3m SW	Not given	Multi Track
4m SW	Not given	Multi Track
4m SW	Shrewsbury to Chester Line	rail
4m SW	Not given	Multi Track
4m SW	Not given	Multi Track
7m W	Not given	Multi Track
9m NW	Not given	Multi Track
10m SW	Not given	Multi Track
11m NW	Not given	Multi Track



Location	Name	Type
12m NW	Not given	Multi Track
17m SW	Not given	Multi Track
80m N	Not given	Multi Track
80m N	Not given	Multi Track
85m N	Not given	Multi Track
107m N	Not given	Multi Track
114m N	Not given	Multi Track
161m N	Not given	Multi Track
228m S	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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