Appendix A.2

EIA Scoping Report Part 3 of 3

Appendix F Ground Conditions

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Bodelwyddan

Order Details

Date: 11/11/2024

Your ref: EPL036337

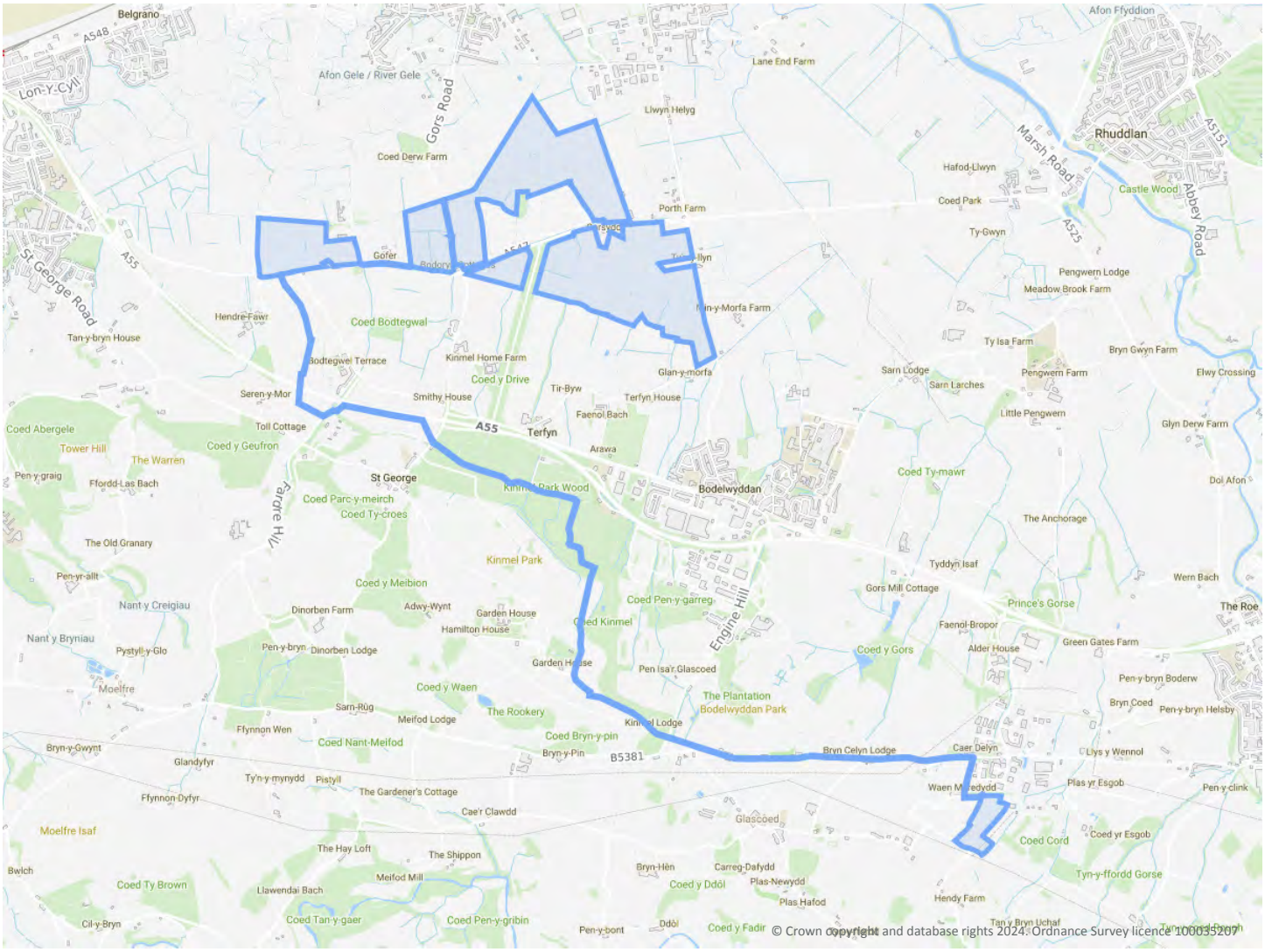
Our Ref: HMD-QQ4-Q6A-Q1G-TBP

Site Details

Location: 298467 377215

Area: 172.31 ha

Authority: Conwy County Borough Council ↗, Sir Ddinbych - Denbighshire County Council ↗



Summary of findings p. 2 >

OS MasterMap site plan N/A: >10ha

Aerial image p. 9 >

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B 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 >	3	9	33	72	-
19 >	1.2 >	Historical tanks >	0	1	10	14	-
20 >	1.3 >	Historical energy features >	0	1	1	8	-
21	1.4	Historical petrol stations	0	0	0	0	-
21 >	1.5 >	Historical garages >	0	0	0	1	-
21	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
22 >	2.1 >	Historical industrial land uses >	4	10	40	97	-
28 >	2.2 >	Historical tanks >	0	1	11	18	-
29 >	2.3 >	Historical energy features >	0	1	1	19	-
30	2.4	Historical petrol stations	0	0	0	0	-
31 >	2.5 >	Historical garages >	0	0	0	2	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
32	3.1	Active or recent landfill	0	0	0	0	-
32 >	3.2 >	Historical landfill (BGS records) >	0	0	0	1	-
33	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
33 >	3.4 >	Historical landfill (EA/NRW records) >	0	1	1	0	-
34 >	3.5 >	Historical waste sites >	1	0	4	0	-
35 >	3.6 >	Licensed waste sites >	0	0	32	1	-
43 >	3.7 >	Waste exemptions >	0	18	17	64	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
53 >	4.1 >	Recent industrial land uses >	0	11	37	-	-
57 >	4.2 >	Current or recent petrol stations >	0	0	2	0	-
57 >	4.3 >	Electricity cables >	1	0	1	1	-
57	4.4	Gas pipelines	0	0	0	0	-
58	4.5	Sites determined as Contaminated Land	0	0	0	0	-

58	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
58	4.7	Regulated explosive sites	0	0	0	0	-
58	4.8	Hazardous substance storage/usage	0	0	0	0	-
58 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	0	2	-
59 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	0	3	-
60 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	1	7	1	-
61	4.12	Radioactive Substance Authorisations	0	0	0	0	-
61 >	4.13 >	Licensed Discharges to controlled waters >	0	4	10	21	-
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	0	0	1	-
67 >	4.17 >	List 2 Dangerous Substances >	0	1	0	0	-
68 >	4.18 >	Pollution Incidents (EA/NRW) >	0	1	6	11	-
70	4.19	Pollution inventory substances	0	0	0	0	-
70	4.20	Pollution inventory waste transfers	0	0	0	0	-
70	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
71 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
73 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
75 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
79 >	5.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
81	5.5	Groundwater vulnerability- local information	None (within 0m)				
82 >	5.6 >	Groundwater abstractions >	0	0	0	0	8
84 >	5.7 >	Surface water abstractions >	0	0	0	0	9
86	5.8	Potable abstractions	0	0	0	0	0
87	5.9	Source Protection Zones	0	0	0	0	-
87	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
88 >	6.1 >	Water Network (OS MasterMap) >	121	145	173	-	-

122 >	6.2 >	Surface water features >	1	59	84	-	-
123 >	6.3 >	WFD Surface water body catchments >	2	-	-	-	-
123 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
124 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	**River and coastal flooding >**	On site	0-50m	50-250m	250-500m	500-2000m
125 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
126 >	7.2 >	Historical Flood Events >	11	5	3	-	-
127	7.3	Flood Defences	0	0	0	-	-
127 >	7.4 >	Areas Benefiting from Flood Defences >	1	0	1	-	-
128	7.5	Flood Storage Areas	0	0	0	-	-
129 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
130 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	**Surface water flooding >**					
131 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	**Groundwater flooding >**					
133 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	**Environmental designations >**	On site	0-50m	50-250m	250-500m	500-2000m
134 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	1
135	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
135 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	1
135	10.4	Special Protection Areas (SPA)	0	0	0	0	0
136	10.5	National Nature Reserves (NNR)	0	0	0	0	0
136 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
136 >	10.7 >	Designated Ancient Woodland >	4	3	10	18	152
143	10.8	Biosphere Reserves	0	0	0	0	0
143	10.9	Forest Parks	0	0	0	0	0
144	10.10	Marine Conservation Zones	0	0	0	0	0
144	10.11	Green Belt	0	0	0	0	0
144	10.12	Proposed Ramsar sites	0	0	0	0	0

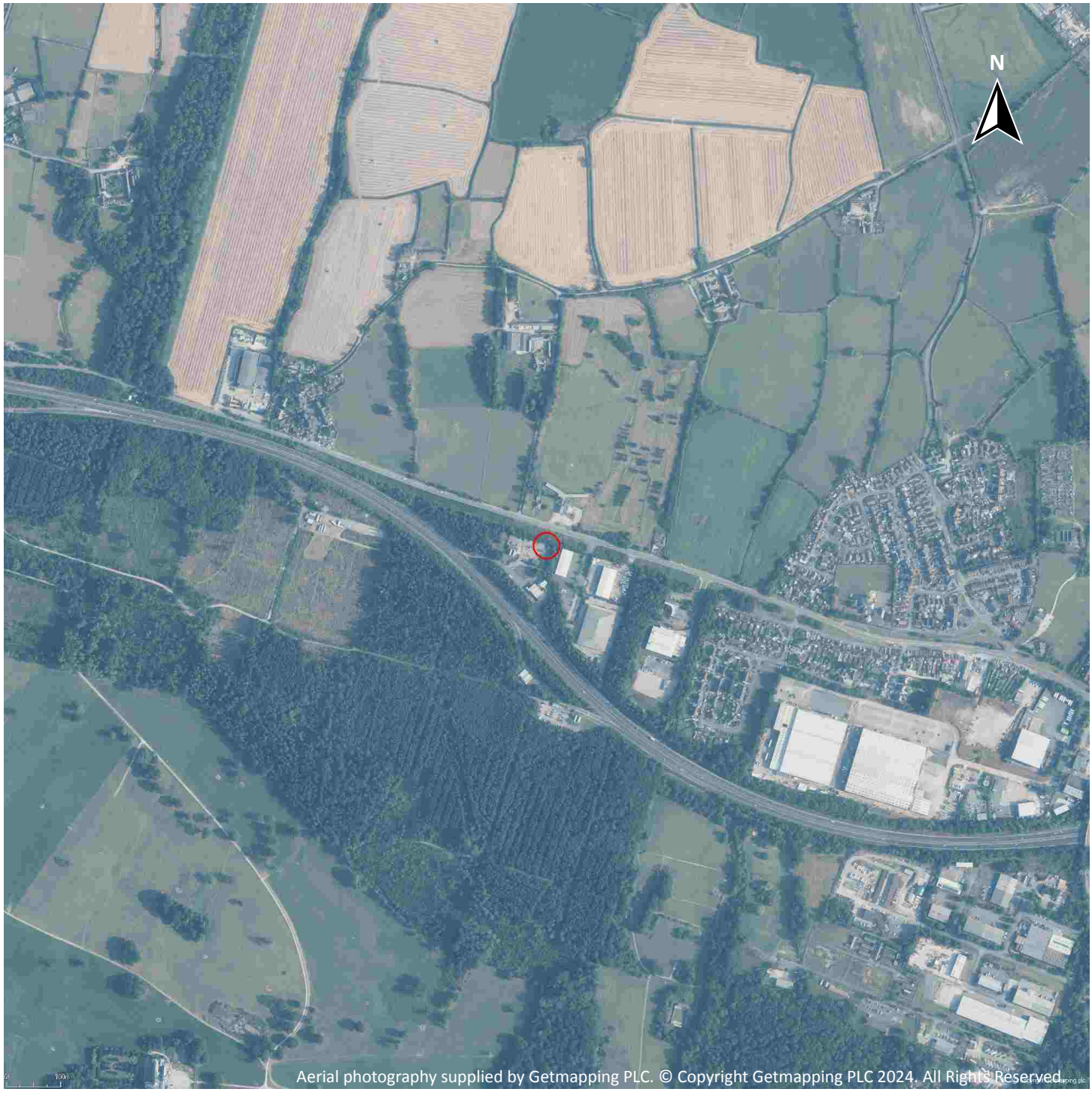
144	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
144	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
145	10.15	Nitrate Sensitive Areas	0	0	0	0	0
145	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
146	10.17	SSSI Impact Risk Zones	0	-	-	-	-
146	10.18	SSSI Units	0	0	0	0	0
Page	Section	**Visual and cultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
147	11.1	World Heritage Sites	0	0	0	-	-
148	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
148	11.3	National Parks	0	0	0	-	-
148 >	**11.4** >	**Listed Buildings** >	1	7	7	-	-
150 >	**11.5** >	**Conservation Areas** >	0	0	1	-	-
150	11.6	Scheduled Ancient Monuments	0	0	0	-	-
150 >	**11.7** >	**Registered Parks and Gardens** >	4	3	0	-	-
Page	Section	**Agricultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
152 >	**12.1** >	**Agricultural Land Classification** >	Grade 3a (within 250m)				
154	12.2	Open Access Land	0	0	0	-	-
154	12.3	Tree Felling Licences	0	0	0	-	-
154	12.4	Environmental Stewardship Schemes	0	0	0	-	-
154	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
155	13.1	Priority Habitat Inventory	0	0	0	-	-
155	13.2	Habitat Networks	0	0	0	-	-
155	13.3	Open Mosaic Habitat	0	0	0	-	-
155	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
156 >	**14.1** >	**10k Availability** >	Identified (within 500m)				
157	14.2	Artificial and made ground (10k)	0	0	0	0	-
158	14.3	Superficial geology (10k)	0	0	0	0	-

158	14.4	Landslip (10k)	0	0	0	0	-
159	14.5	Bedrock geology (10k)	0	0	0	0	-
159	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
160 >	15.1 >	50k Availability >	Identified (within 500m)				
161	15.2	Artificial and made ground (50k)	0	0	0	0	-
161	15.3	Artificial ground permeability (50k)	0	0	-	-	-
162 >	15.4 >	Superficial geology (50k) >	3	0	0	0	-
163 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
163	15.6	Landslip (50k)	0	0	0	0	-
163	15.7	Landslip permeability (50k)	None (within 50m)				
164 >	15.8 >	Bedrock geology (50k) >	13	1	3	14	-
166 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
167 >	15.10 >	Bedrock faults and other linear features (50k) >	8	0	3	14	-
Page	Section	**Boreholes >**	On site	0-50m	50-250m	250-500m	500-2000m
169 >	16.1 >	BGS Boreholes >	3	13	76	-	-
Page	Section	**Natural ground subsidence >**					
174 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
175 >	17.2 >	Running sands >	Moderate (within 50m)				
177 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
179 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
180 >	17.5 >	Landslides >	Moderate (within 50m)				
182 >	17.6 >	Ground dissolution of soluble rocks >	Moderate (within 50m)				
Page	Section	**Mining and ground workings >**	On site	0-50m	50-250m	250-500m	500-2000m
184 >	18.1 >	BritPits >	0	0	0	7	-
186 >	18.2 >	Surface ground workings >	1	3	57	-	-
188 >	18.3 >	Underground workings >	0	0	1	6	62
191	18.4	Underground mining extents	0	0	0	0	-
191 >	18.5 >	Historical Mineral Planning Areas >	0	1	4	0	-

192 >	18.6 >	Non-coal mining >	3	0	2	3	12
194	18.7	JPB mining areas	None (within 0m)				
194	18.8	The Coal Authority non-coal mining	0	0	0	0	-
195 >	18.9 >	Researched mining >	0	0	2	8	-
195	18.10	Mining record office plans	0	0	0	0	-
196	18.11	BGS mine plans	0	0	0	0	-
196	18.12	Coal mining	None (within 0m)				
196	18.13	Brine areas	None (within 0m)				
196	18.14	Gypsum areas	None (within 0m)				
196	18.15	Tin mining	None (within 0m)				
197	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
198 >	19.1 >	Natural cavities >	0	0	1	0	-
199 >	19.2 >	Mining cavities >	0	0	1	1	6
199	19.3	Reported recent incidents	0	0	0	0	-
200	19.4	Historical incidents	0	0	0	0	-
200	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
201 >	20.1 >	Radon >	Between 3% and 5% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
203 >	21.1 >	BGS Estimated Background Soil Chemistry >	70	12	-	-	-
206	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
206	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
207	22.1	Underground railways (London)	0	0	0	-	-
207	22.2	Underground railways (Non-London)	0	0	0	-	-
208	22.3	Railway tunnels	0	0	0	-	-
208 >	22.4 >	Historical railway and tunnel features >	0	3	9	-	-
209	22.5	Royal Mail tunnels	0	0	0	-	-

209 >	22.6 >	Historical railways >	5	1	1	-	-
209	22.7	Railways	0	0	0	-	-
210	22.8	Crossrail 2	0	0	0	0	-
210	22.9	HS2	0	0	0	0	-

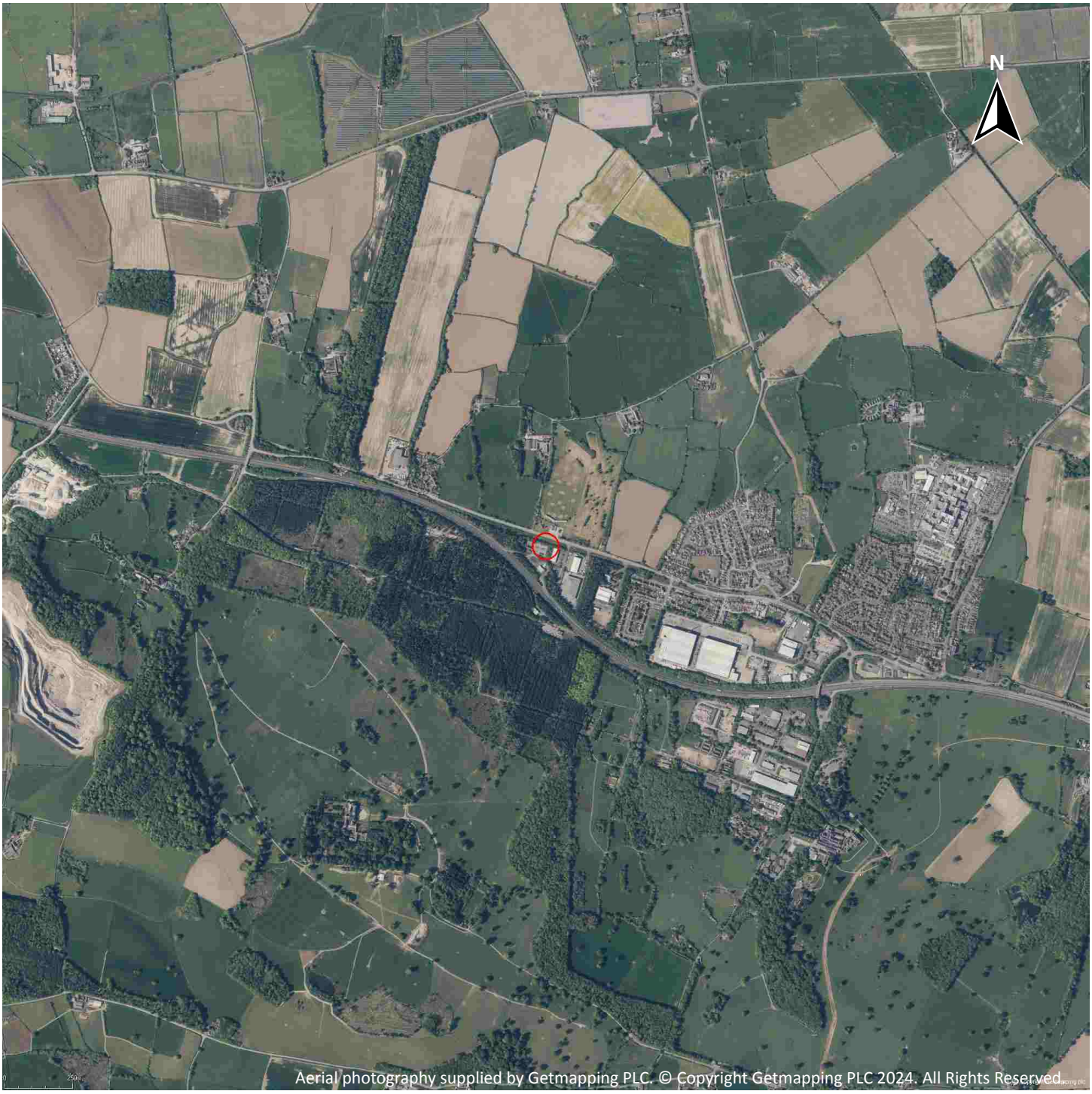
Recent aerial photograph



Capture Date: 14/08/2022

Site Area: 172.31ha

Recent site history - 2020 aerial photograph



Capture Date: 06/05/2020

Site Area: 172.31ha

Recent site history - 2016 aerial photograph

Capture Date: 04/07/2016

Site Area: 172.31ha

Recent site history - 2009 aerial photograph

Capture Date: 01/06/2009

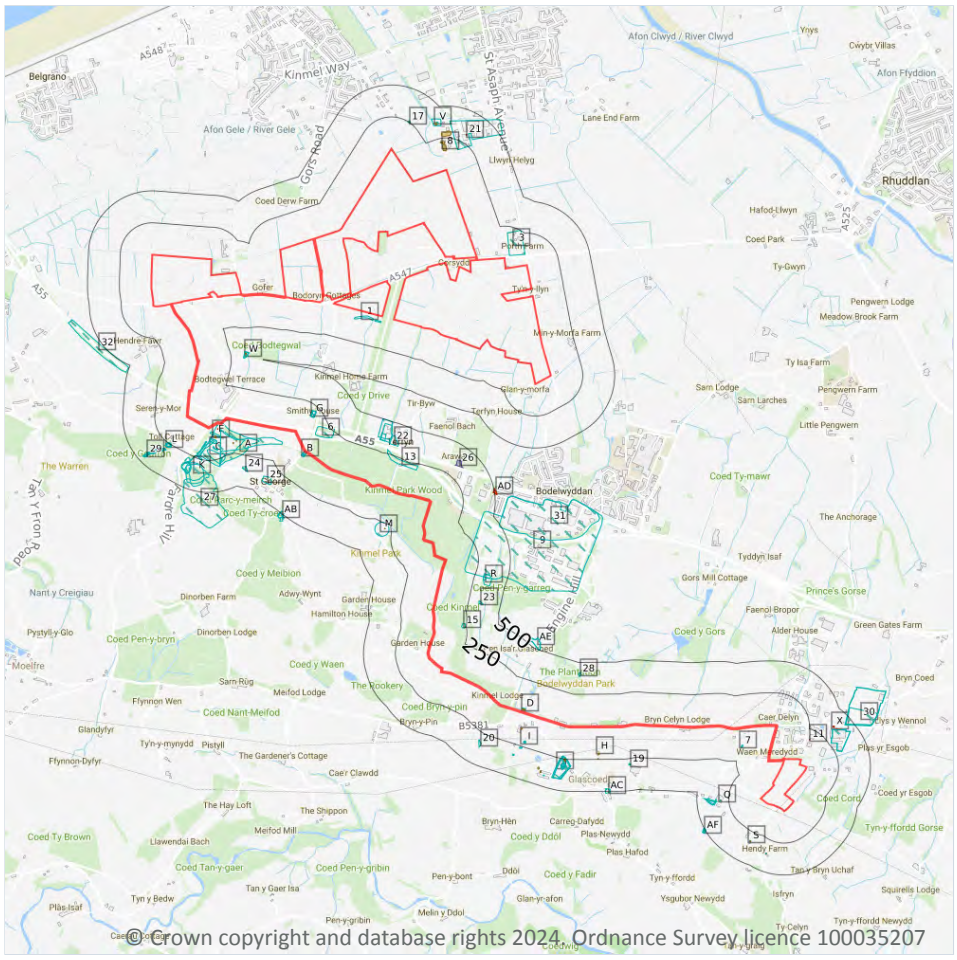
Site Area: 172.31ha

Recent site history - 2000 aerial photograph

Capture Date: 22/07/2000

Site Area: 172.31ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	117

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
A	**On site**	**Unspecified Heaps**	**1990**	**226798**

ID	Location	Land use	Dates present	Group ID
B	**On site**	**Gas Works**	**1914 - 1949**	**241020**
B	**On site**	**Gas Works**	**1900**	**255888**
C	7m SW	Lime Works	1949	226657
D	18m S	Unspecified Tanks	1971	226207
B	19m SW	Gasometer	1900 - 1914	254003
B	19m SW	Gasometer	1949	247676
1	26m W	Unspecified Pit	1871	220133
E	30m SW	Railway Sidings	1949	223939
2	39m SW	Unspecified Pit	1871	220134
3	43m NE	Brick and Tile Works	1871	228883
4	46m SW	Railway Sidings	1949	223814
E	85m SW	Unspecified Heap	1964	228097
E	85m SW	Limestone Quarry	1980	228694
F	100m SW	Railway Sidings	1949	223938
F	103m SW	Unspecified Ground Workings	1964 - 1980	252482
6	126m SW	Cuttings	1980 - 1990	238777
7	128m SE	Unspecified Quarry	1898	840581
C	146m SW	Unspecified Ground Workings	1980	230369
9	158m S	Industrial Estate	1980 - 1990	239552
G	160m SW	Smithy	1871 - 1900	251491
G	163m SW	Smithy	1949	254951
10	164m SW	Refuse Heap	1949	240541
G	165m SW	Smithy	1914	254707
12	181m N	Industrial Estate	1990	223775
13	198m S	Railway Sidings	1949	223940
I	201m S	Unspecified Heap	1874	228059
I	207m S	Unspecified Old Shafts	1959	229172
14	208m SW	Refuse Heap	1949	255822

ID	Location	Land use	Dates present	Group ID
I	209m S	Old Lead Shafts	1914	240044
15	214m S	Unspecified Pit	1959 - 1971	258039
J	230m S	Water Works	1971	254629
16	231m SW	Refuse Heap	1990	225302
J	232m S	Water Works	1914	247927
J	232m S	Water Works	1898	243894
J	232m S	Water Works	1949	252598
K	233m SW	Unspecified Quarry	1964	239110
J	233m S	Cuttings	1874	222452
L	244m SW	Unspecified Old Quarries	1898	230456
L	244m SW	Unspecified Old Quarry	1949	245527
L	245m SW	Unspecified Old Quarry	1938	252000
L	245m SW	Unspecified Old Quarry	1911	243051
L	245m SW	Unspecified Disused Quarry	1980	223502
17	246m N	Pumping Station	1990	231507
M	246m S	Unspecified Tank	1914 - 1949	260733
L	252m SW	Unspecified Pit	1875	220135
I	259m S	Old Lead Shafts	1949	224768
I	259m S	Unspecified Old Shafts	1898	229167
I	261m S	Unspecified Old Shafts	1959	229171
I	264m S	Old Lead Shafts	1914	234744
N	269m SE	Unspecified Works	1978	914099
N	269m SE	Unspecified Works	1992	991787
J	282m S	Unspecified Heap	1874	244618
J	283m S	Unspecified Heap	1949 - 1959	250042
J	284m S	Unspecified Heap	1898	248899
J	285m S	Unspecified Heap	1914	255234
19	289m SE	Slurry Pit	1992	858266

ID	Location	Land use	Dates present	Group ID
K	293m SW	Refuse Heap	1990	225303
O	301m SW	Unspecified Quarry	1875	246817
P	301m SW	Unspecified Old Quarry	1938 - 1949	260241
O	301m SW	Unspecified Quarry	1911 - 1938	250380
P	302m SW	Unspecified Disused Quarry	1980	223503
J	304m S	Filter Beds	1898	225540
O	304m SW	Unspecified Quarry	1898	257864
P	304m SW	Unspecified Old Quarries	1898	230455
Q	312m SE	Unspecified Tank	1914 - 1949	881354
20	312m S	Unspecified Quarry	1959	221153
R	315m S	Shooting Range	1990	231812
Q	315m SE	Unspecified Tank	1959	955006
S	319m SE	Unspecified Tank	1992	987603
R	320m S	Unspecified Heap	1990	228060
S	322m SE	Unspecified Tank	1914	906544
S	326m SE	Unspecified Tank	1959	891095
22	329m S	Sawmill	1949	230537
T	329m S	Unspecified Disused Shaft	1971	225521
23	330m S	Unspecified Pit	1971	220088
T	332m S	Old Lead Shafts	1949	224769
T	332m S	Unspecified Old Shafts	1898	229168
24	332m SW	Smithy	1900	229541
25	335m SW	Grave Yard	1871	224735
U	337m S	Unspecified Depot	1964	256636
U	338m S	Unspecified Depot	1980	250974
O	340m SW	Old Lime Kiln	1938	257726
O	341m SW	Old Lime Kiln	1911	236155
V	347m N	Sewage Works	1980 - 1990	249329

ID	Location	Land use	Dates present	Group ID
Q	347m SE	Unspecified Quarry	1874 - 1898	883952
Q	349m SE	Lime Kiln	1874	833612
Q	349m SE	Old Lime Kiln	1914	817869
W	349m W	Sewage Works	1990	221568
W	349m W	Unspecified Works	1964 - 1980	237648
U	354m S	Unspecified Depot	1990	233747
Y	356m SE	Unspecified Tank	1914 - 1959	952375
27	358m SW	Limestone Quarry	1990	228695
W	360m W	Sewage Tank	1990	222354
W	360m W	Unspecified Tank	1964 - 1980	233584
Q	362m SE	Unspecified Pit	1992	940580
Q	362m SE	Unspecified Pit	1966 - 1978	964168
V	363m N	Sewage Tank	1980 - 1990	254800
28	388m SE	Unspecified Quarry	1900	221154
29	393m SW	Unspecified Old Quarry	1911	240395
Q	405m SE	Old Lime Kiln	1949 - 1959	961684
Z	411m S	Lime Kiln	1874	228345
30	438m SE	Unspecified Works	1959	917885
AA	445m SE	Unspecified Works	1966 - 1978	874680
AA	448m SE	Unspecified Works	1992	983126
AB	478m SW	Unspecified Quarry	1871 - 1900	242096
AC	481m S	Refuse Heap	1874	2404516
AC	482m S	Lime Kiln	1874	833621
31	492m S	Unspecified Factory	1990	225580
AE	495m S	Unspecified Old Quarry	1949	248153
AF	495m SE	Unspecified Quarry	1874	958662
AE	497m S	Unspecified Quarry	1871 - 1900	251599
32	497m W	Cuttings	1980 - 1990	233527

ID	Location	Land use	Dates present	Group ID
AF	497m SE	Unspecified Quarry	1898	951993
AF	497m SE	Unspecified Quarry	1949	992506
AB	497m SW	Unspecified Old Quarry	1914 - 1949	251499
AF	500m SE	Unspecified Quarry	1914	957729

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**25**

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

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
D	15m S	Tanks	1964	31192
E	75m SW	Tanks	1961	31194
E	84m SW	Tanks	1961	31193
5	115m S	Slurry Tank	1996	32663
8	151m N	Tanks	1996	31061
A	153m SW	Unspecified Tank	1984	32359
A	171m SW	Tanks	1984	31191
H	188m SE	Unspecified Tank	1996	32355
H	201m SE	Tanks	1996	31189
H	243m S	Unspecified Tank	1969	32367
J	246m S	Tanks	1969 - 1996	33110
18	260m N	Tanks	1996	31060
M	288m S	Unspecified Tank	1988	32365
M	289m S	Unspecified Tank	1992	33142

ID	Location	Land use	Dates present	Group ID
M	289m S	Unspecified Tank	1962 - 1971	33547
Q	311m SE	Unspecified Tank	1962	116295
S	324m SE	Unspecified Tank	1985 - 1992	144687
S	324m SE	Unspecified Tank	1999	142541
S	325m SE	Unspecified Tank	1962	143603
N	339m SE	Unspecified Tank	1999	116290
Y	359m SE	Unspecified Tank	1962	116296
V	360m N	Unspecified Tank	1986 - 1989	32898
W	363m W	Unspecified Tank	1961 - 1984	33500
Z	366m S	Unspecified Tank	1996	32356
Z	386m S	Tanks	1996	31190

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**10**

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

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
E	35m SW	Electricity Substation	1984	17044
11	169m SE	Electricity Substation	1999	66213
21	314m N	Electricity Substation	1996	16998
X	355m SE	Gas Valve House	1992 - 1999	75024
X	365m SE	Electricity Substation	1992 - 1999	70508
X	367m SE	Gas Valve House	1999	68229
X	379m SE	Gas Valve House	1985 - 1992	92228

ID	Location	Land use	Dates present	Group ID
AD	491m SE	Electricity Substation	1980 - 1990	17569
AD	491m SE	Electricity Substation	1970	18385
AD	493m SE	Electricity Substation	1971	17823

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	1

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original 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
26	341m S	Garage	1962 - 1971	5846

This data is sourced from Ordnance Survey / Groundsure.

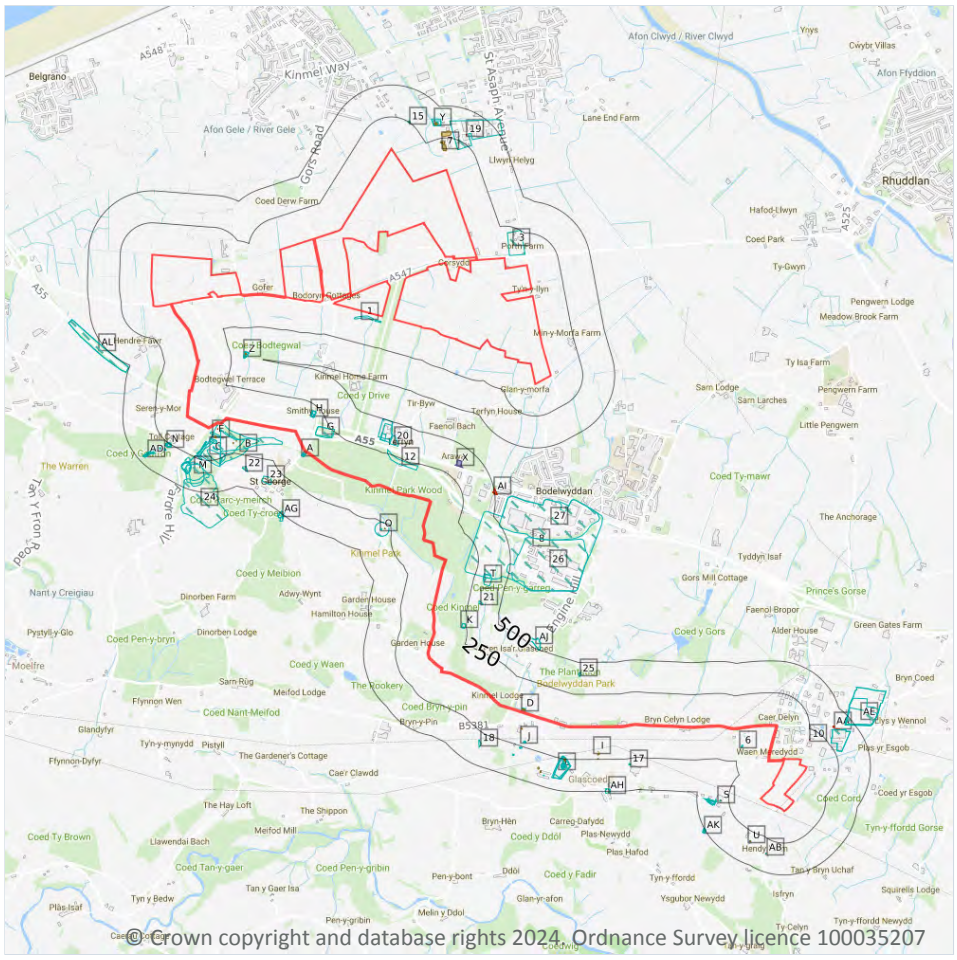
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	151

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 22 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Gas Works**	**1949**	**241020**
A	**On site**	**Gas Works**	**1900**	**255888**
A	**On site**	**Gas Works**	**1914**	**241020**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Unspecified Heaps**	**1990**	**226798**
C	7m SW	Lime Works	1949	226657
D	18m S	Unspecified Tanks	1971	226207
A	19m SW	Gasometer	1914	254003
A	19m SW	Gasometer	1949	247676
A	21m SW	Gasometer	1900	254003
1	26m W	Unspecified Pit	1871	220133
E	30m SW	Railway Sidings	1949	223939
2	39m SW	Unspecified Pit	1871	220134
3	43m NE	Brick and Tile Works	1871	228883
4	46m SW	Railway Sidings	1949	223814
E	85m SW	Limestone Quarry	1980	228694
E	85m SW	Unspecified Heap	1964	228097
F	100m SW	Railway Sidings	1949	223938
F	103m SW	Unspecified Ground Workings	1964	252482
F	103m SW	Unspecified Ground Workings	1980	252482
G	126m SW	Cuttings	1990	238777
G	126m SW	Cuttings	1980	238777
6	128m SE	Unspecified Quarry	1898	840581
C	146m SW	Unspecified Ground Workings	1980	230369
8	158m S	Industrial Estate	1980	239552
H	160m SW	Smithy	1900	251491
H	163m SW	Smithy	1949	254951
9	164m SW	Refuse Heap	1949	240541
H	165m SW	Smithy	1871	251491
H	165m SW	Smithy	1914	254707
11	181m N	Industrial Estate	1990	223775
12	198m S	Railway Sidings	1949	223940

ID	Location	Land Use	Date	Group ID
J	201m S	Unspecified Heap	1874	228059
J	207m S	Unspecified Old Shafts	1959	229172
13	208m SW	Refuse Heap	1949	255822
J	209m S	Old Lead Shafts	1914	240044
J	209m S	Old Lead Shafts	1914	240044
K	214m S	Unspecified Pit	1959	258039
K	214m S	Unspecified Pit	1971	258039
L	230m S	Water Works	1971	254629
14	231m SW	Refuse Heap	1990	225302
L	232m S	Water Works	1914	247927
L	232m S	Water Works	1898	243894
L	232m S	Water Works	1949	252598
M	233m SW	Unspecified Quarry	1964	239110
L	233m S	Cuttings	1874	222452
N	244m SW	Unspecified Old Quarry	1949	245527
N	244m SW	Unspecified Old Quarries	1898	230456
N	245m SW	Unspecified Old Quarry	1938	252000
N	245m SW	Unspecified Old Quarry	1911	243051
N	245m SW	Unspecified Old Quarry	1911	243051
N	245m SW	Unspecified Old Quarry	1911	243051
N	245m SW	Unspecified Disused Quarry	1980	223502
15	246m N	Pumping Station	1990	231507
O	246m S	Unspecified Tank	1949	260733
N	252m SW	Unspecified Pit	1875	220135
J	259m S	Unspecified Old Shafts	1898	229167
J	259m S	Old Lead Shafts	1949	224768
J	261m S	Unspecified Old Shafts	1959	229171
J	264m S	Old Lead Shafts	1914	234744

ID	Location	Land Use	Date	Group ID
J	264m S	Old Lead Shafts	1914	234744
P	269m SE	Unspecified Works	1978	914099
P	269m SE	Unspecified Works	1992	991787
L	282m S	Unspecified Heap	1874	244618
L	283m S	Unspecified Heap	1959	250042
L	284m S	Unspecified Heap	1898	248899
L	284m S	Unspecified Heap	1949	250042
L	285m S	Unspecified Heap	1914	255234
L	285m S	Unspecified Heap	1914	255234
17	289m SE	Slurry Pit	1992	858266
M	293m SW	Refuse Heap	1990	225303
O	297m S	Unspecified Tank	1914	260733
Q	301m SW	Unspecified Quarry	1875	246817
R	301m SW	Unspecified Old Quarry	1938	260241
Q	301m SW	Unspecified Quarry	1938	250380
R	302m SW	Unspecified Disused Quarry	1980	223503
Q	304m SW	Unspecified Quarry	1911	250380
Q	304m SW	Unspecified Quarry	1911	250380
Q	304m SW	Unspecified Quarry	1911	250380
L	304m S	Filter Beds	1898	225540
Q	304m SW	Unspecified Quarry	1898	257864
R	304m SW	Unspecified Old Quarry	1949	260241
R	304m SW	Unspecified Old Quarries	1898	230455
S	312m SE	Unspecified Tank	1949	881354
18	312m S	Unspecified Quarry	1959	221153
S	312m SE	Unspecified Tank	1914	881354
T	315m S	Shooting Range	1990	231812
S	315m SE	Unspecified Tank	1959	955006

ID	Location	Land Use	Date	Group ID
U	319m SE	Unspecified Tank	1992	987603
T	320m S	Unspecified Heap	1990	228060
U	322m SE	Unspecified Tank	1914	906544
U	326m SE	Unspecified Tank	1959	891095
20	329m S	Sawmill	1949	230537
V	329m S	Unspecified Disused Shaft	1971	225521
21	330m S	Unspecified Pit	1971	220088
V	332m S	Unspecified Old Shafts	1898	229168
V	332m S	Old Lead Shafts	1949	224769
22	332m SW	Smithy	1900	229541
23	335m SW	Grave Yard	1871	224735
W	337m S	Unspecified Depot	1964	256636
W	338m S	Unspecified Depot	1980	250974
Q	340m SW	Old Lime Kiln	1938	257726
Q	341m SW	Old Lime Kiln	1911	236155
Q	341m SW	Old Lime Kiln	1911	236155
Q	341m SW	Old Lime Kiln	1911	236155
Y	347m N	Sewage Works	1990	249329
S	347m SE	Unspecified Quarry	1874	883952
S	348m SE	Unspecified Quarry	1898	883952
Y	349m N	Sewage Works	1980	249329
S	349m SE	Lime Kiln	1874	833612
S	349m SE	Old Lime Kiln	1914	817869
Z	349m W	Unspecified Works	1964	237648
Z	349m W	Unspecified Works	1980	237648
Z	349m W	Sewage Works	1990	221568
W	354m S	Unspecified Depot	1990	233747
AB	356m SE	Unspecified Tank	1914	952375

ID	Location	Land Use	Date	Group ID
AB	356m SE	Unspecified Tank	1949	952375
24	358m SW	Limestone Quarry	1990	228695
AB	359m SE	Unspecified Tank	1959	952375
Z	360m W	Unspecified Tank	1964	233584
Z	360m W	Unspecified Tank	1980	233584
Z	360m W	Sewage Tank	1990	222354
S	362m SE	Unspecified Pit	1978	964168
S	362m SE	Unspecified Pit	1992	940580
S	362m SE	Unspecified Pit	1966	964168
Y	363m N	Sewage Tank	1980	254800
Y	363m N	Sewage Tank	1990	254800
25	388m SE	Unspecified Quarry	1900	221154
AD	393m SW	Unspecified Old Quarry	1911	240395
AD	393m SW	Unspecified Old Quarry	1911	240395
AD	393m SW	Unspecified Old Quarry	1911	240395
S	405m SE	Old Lime Kiln	1949	961684
S	408m SE	Old Lime Kiln	1959	961684
AC	411m S	Lime Kiln	1874	228345
AE	438m SE	Unspecified Works	1959	917885
AE	445m SE	Unspecified Works	1966	874680
AF	448m SE	Unspecified Works	1978	874680
AF	448m SE	Unspecified Works	1992	983126
AG	478m SW	Unspecified Quarry	1871	242096
26	479m S	Industrial Estate	1990	239552
AH	481m S	Refuse Heap	1874	2404516
AH	482m S	Lime Kiln	1874	833621
27	492m S	Unspecified Factory	1990	225580
AJ	495m S	Unspecified Old Quarry	1949	248153

ID	Location	Land Use	Date	Group ID
AK	495m SE	Unspecified Quarry	1874	958662
AJ	497m S	Unspecified Quarry	1900	251599
AL	497m W	Cuttings	1980	233527
AL	497m W	Cuttings	1990	233527
AK	497m SE	Unspecified Quarry	1898	951993
AK	497m SE	Unspecified Quarry	1949	992506
AG	497m SW	Unspecified Old Quarry	1949	251499
AK	500m SE	Unspecified Quarry	1914	957729

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**30**

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 22 >**

ID	Location	Land Use	Date	Group ID
D	15m S	Tanks	1964	31192
E	75m SW	Tanks	1961	31194
E	84m SW	Tanks	1961	31193
5	115m S	Slurry Tank	1996	32663
7	151m N	Tanks	1996	31061
B	153m SW	Unspecified Tank	1984	32359
B	171m SW	Tanks	1984	31191
I	188m SE	Unspecified Tank	1996	32355
I	201m SE	Tanks	1996	31189
I	243m S	Unspecified Tank	1969	32367
L	246m S	Tanks	1969	33110
L	249m S	Tanks	1996	33110

ID	Location	Land Use	Date	Group ID
16	260m N	Tanks	1996	31060
O	288m S	Unspecified Tank	1988	32365
O	289m S	Unspecified Tank	1962	33547
O	289m S	Unspecified Tank	1992	33142
O	289m S	Unspecified Tank	1971	33547
S	311m SE	Unspecified Tank	1962	116295
U	324m SE	Unspecified Tank	1985	144687
U	324m SE	Unspecified Tank	1992	144687
U	324m SE	Unspecified Tank	1999	142541
U	325m SE	Unspecified Tank	1962	143603
P	339m SE	Unspecified Tank	1999	116290
AB	359m SE	Unspecified Tank	1962	116296
Y	360m N	Unspecified Tank	1986	32898
Y	360m N	Unspecified Tank	1989	32898
Z	363m W	Unspecified Tank	1984	33500
Z	363m W	Unspecified Tank	1961	33500
AC	366m S	Unspecified Tank	1996	32356
AC	386m S	Tanks	1996	31190

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**21**

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 22 >**

ID	Location	Land Use	Date	Group ID
E	35m SW	Electricity Substation	1984	17044
10	169m SE	Electricity Substation	1999	66213

ID	Location	Land Use	Date	Group ID
19	314m N	Electricity Substation	1996	16998
AA	355m SE	Gas Valve House	1999	75024
AA	358m SE	Gas Valve House	1992	75024
AA	365m SE	Electricity Substation	1999	70508
AA	367m SE	Electricity Substation	1992	70508
AA	367m SE	Gas Valve House	1999	68229
AA	379m SE	Gas Valve House	1985	92228
AA	379m SE	Gas Valve House	1992	92228
AI	491m SE	Electricity Substation	1983	17569
AI	491m SE	Electricity Substation	1970	18385
AI	491m SE	Electricity Substation	1980	17569
AI	491m SE	Electricity Substation	1988	17569
AI	491m SE	Electricity Substation	1988	17569
AI	491m SE	Electricity Substation	1989	17569
AI	491m SE	Electricity Substation	1989	17569
AI	491m SE	Electricity Substation	1980	17569
AI	491m SE	Electricity Substation	1990	17569
AI	491m SE	Electricity Substation	1990	17569
AI	493m SE	Electricity Substation	1971	17823

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	2

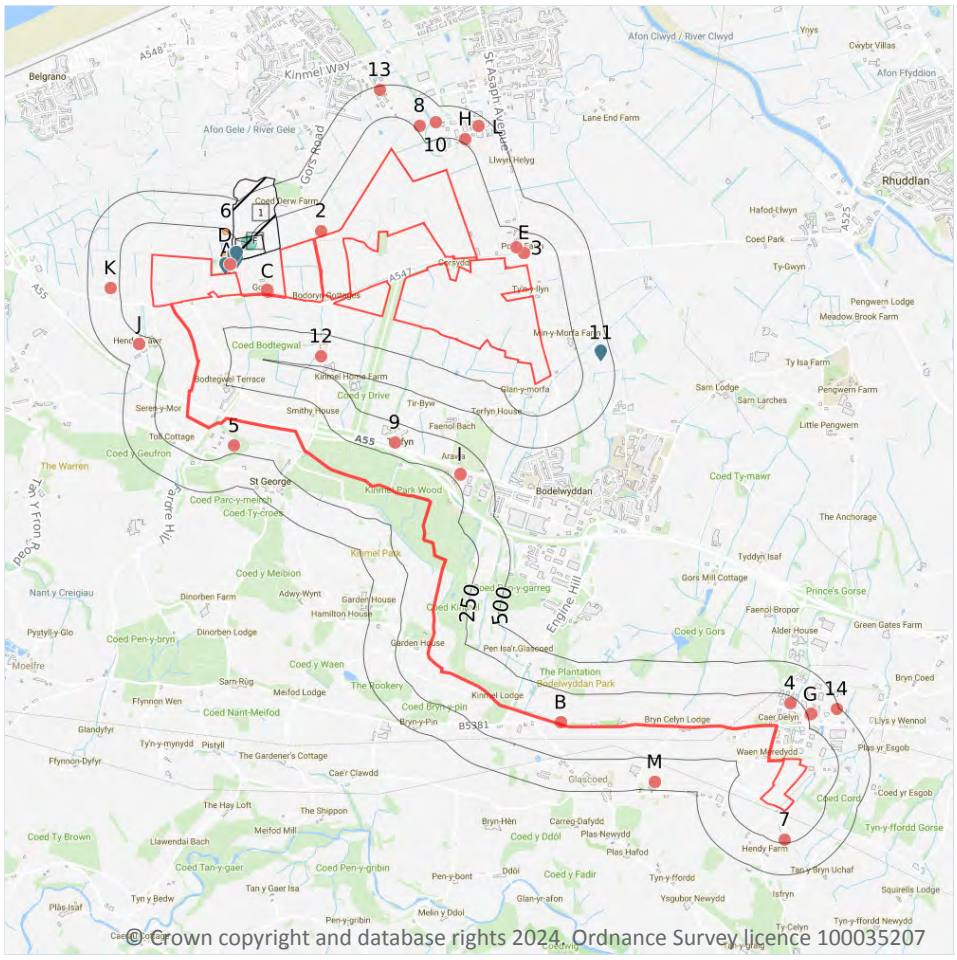
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 22 >**

ID	Location	Land Use	Date	Group ID
X	341m S	Garage	1971	5846
X	341m S	Garage	1962	5846

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	1

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.

Features are displayed on the Waste and landfill map on **page 32 >**

ID	Location	Address	BGS Number	Risk	Waste Type
F	250m W	Goffer Tip, Rhuddlan Road, Abergele	797	No risk to aquifer	N/A

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	**2**

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 32 >**

ID	Location	Details		
1	13m NW	Site Address: Gofa, Off Gors Road, Abergele, Clwyd Licence Holder Address: -	Waste Licence: Yes Site Reference: CL5E23 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: Aberconwy District Council First Recorded 31/12/1970 Last Recorded: 31/12/1985
F	106m W	Site Address: Gofer Refuse Tip, Rhuddlan Road, Abergele, Gwynedd Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Urban District Council of Abergele Licence Holder: - First Recorded 31/05/1970 Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	5

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

Features are displayed on the Waste and landfill map on **page 32 >**

ID	Location	Address	Further Details	Date
A	**On site**	**Site Address: Waste Re-Cycling Site, Rhuddlan Road, St. George, ABERGELE, Clwyd, LL22 9SE**	**Type of Site: Waste Transfer Station Planning application reference: 0/27977 Description: Construction of building to enclose existing re-cycling yard. An application (ref: 0/27977) for Detailed Planning permission was submitted to Conwy County B.C. on 2nd November 2003. Data source: Historic Planning Application Data Type: Point**	**-**
D	83m W	Site Address: Thorncliffe Recycling Centre, Rhuddlan Road, St. George, Abergele, Clwyd, LL22 9SE	Type of Site: Recycling Centre (Extension) Planning application reference: 0/46795 Description: Scheme comprises retention of workshop building, office building, rdf tipping bay building and rdf processing building together with the construction of extension to rdf processing building. This project also includes associated infrastructure works. Data source: Historic Planning Application Data Type: Point	23/10/2019
D	101m W	Site Address: Windmill Site, Rhuddlan Road, St. George, Abergele, Clwyd, LL22 9SE	Type of Site: Waste Management (Extension) Planning application reference: 0/41842 Description: Scheme comprises change of use of land to accommodate extension of waste management site. Data source: Historic Planning Application Data Type: Point	-
D	120m W	Site Address: Gofer Landfill Site, Rhuddlan Road, St. George, ABERGELE, Clwyd, LL22 9SE	Type of Site: Bulk Drying Recycling Station Planning application reference: 0/30252 Description: Scheme comprises use of land for bulking dry recycling station, including bulking station building, storage areas, wash areas, siting of two portacabins and construction of parking facilities and landscaping. An application (ref: 0/30252) for Detailed Pl anning permission was submitted to Conwy County B.C. Programme details remain to be finalised. Detailed plans submitted. Data source: Historic Planning Application Data Type: Point	-

ID	Location	Address	Further Details	Date
6	218m W	Site Address: Windmill Site, Rhuddlan Road, St. George, Abergele, Clwyd, LL22 9SE	Type of Site: Waste Management Site (Extension) Planning application reference: 0/40956 Description: Scheme comprises change of use of land to accommodate extension of waste management site. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m **33**

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

Features are displayed on the Waste and landfill map on **page 32 >**

ID	Location	Details		
A	62m W	Site Name: - Site Address: Gofer Bulking Station, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: SR CODES - PAS STANDARD RULES PERMITS Size: - Environmental Permitting Regulations (Waste) Licence Number: HP3591EZ EPR reference: - Operator: Conwy County Borough Council Waste Management licence No: - Annual Tonnage: 24999	Issue Date: 14/03/2011 Effective Date: 14/03/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
A	62m W	Site Name: - Site Address: Gofer Bulking Station, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: - Environmental Permitting Regulations (Waste) Licence Number: HP3591EZ EPR reference: - Operator: Conwy County Borough Council Waste Management licence No: - Annual Tonnage: 24999	Issue Date: 14/03/2011 Effective Date: 14/03/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective

ID	Location	Details		
A	62m W	Site Name: - Site Address: Gofer Bulking Station, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: - Environmental Permitting Regulations (Waste) Licence Number: HP3591EZ EPR reference: - Operator: Conwy County Borough Council Waste Management licence No: - Annual Tonnage: 24999	Issue Date: 14/03/2011 Effective Date: 14/03/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
A	62m W	Site Name: Gofer Bulking Station Site Address: Old Gofer Site, Rhuddlan Road, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CON128 EPR reference: EA/EPR/HP3591EZ/A001 Operator: Conwy County Borough Council Waste Management licence No: 101685 Annual Tonnage: 24999	Issue Date: 14/03/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	62m W	Site Name: - Site Address: Gofer Bulking Station, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: HP3591EZ EPR reference: - Operator: - Waste Management licence No: 101685 Annual Tonnage: 24999	Issue Date: 14/03/2011 Effective Date: 14/03/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
A	62m W	Site Name: - Site Address: Gofer Bulking Station, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: HP3591EZ EPR reference: - Operator: Conwy County Borough Council Waste Management licence No: 0 Annual Tonnage: 24999	Issue Date: 14/03/2011 Effective Date: 14/03/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective

ID	Location	Details		
A	62m W	Site Name: - Site Address: Gofer Bulking Station, St George, Conwy, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: HP3591EZ EPR reference: - Operator: Conwy County Borough Council Waste Management licence No: 101685 Annual Tonnage: 24999	Issue Date: 14/03/2011 Effective Date: 14/03/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
A	63m W	Site Name: Gofer Bulking Station Site Address: Old Gofer Site, Rhuddlan Road, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CON128 EPR reference: HP3591EZ/A001 Operator: Conwy County Borough Council Waste Management licence No: 101685 Annual Tonnage: 0	Issue Date: 14/03/2011 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Issued
D	99m W	Site Name: Abergele Civic Amenity Site Site Address: Old Gofer Landfill Site, Rhuddlan Road, Abergele, Conwy Correspondence Address: 298, Hale Road, Widnes, Cheshire, WA8 8XP	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EWC001 EPR reference: - Operator: Environmental Waste Controls Limited Waste Management licence No: 37282 Annual Tonnage: 0	Issue Date: 07/09/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	127m W	Site Name: - Site Address: The Windmill Site, Rhuddlan Road, Abergele, LL22 9SE Correspondence Address: -	Type of Site: SR CODES - PAS STANDARD RULES PERMITS Size: - Environmental Permitting Regulations (Waste) Licence Number: JP3894FM EPR reference: - Operator: Thorncliffe Building Supplies Ltd Waste Management licence No: - Annual Tonnage: 200000	Issue Date: 22/09/2020 Effective Date: 22/09/2020 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective

ID	Location	Details		
D	127m W	Site Name: - Site Address: - Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: JP3894FM EPR reference: - Operator: - Waste Management licence No: 37283 Annual Tonnage: 74999	Issue Date: 14/02/2006 Effective Date: 14/02/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
D	127m W	Site Name: - Site Address: Gofer Waste Transfer Station, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: FP3994FS EPR reference: - Operator: - Waste Management licence No: 37114 Annual Tonnage: 0	Issue Date: 02/08/1994 Effective Date: 02/08/1994 Modified: - Surrendered Date: - Expiry Date: 05/12/2005 Cancelled Date: - Status: Expired
D	127m W	Site Name: - Site Address: Gofer Waste Transfer Station, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: - Environmental Permitting Regulations (Waste) Licence Number: FP3994FS EPR reference: - Operator: Windmill Ltd Waste Management licence No: - Annual Tonnage: 0	Issue Date: 02/08/1994 Effective Date: 02/08/1994 Modified: - Surrendered Date: - Expiry Date: 05/12/2005 Cancelled Date: - Status: Expired
D	127m W	Site Name: - Site Address: The Windmill Site, Rhuddlan Road, Abergele, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: - Environmental Permitting Regulations (Waste) Licence Number: JP3894FM EPR reference: - Operator: Thorncliffe Building Supplies Ltd Waste Management licence No: - Annual Tonnage: 200000	Issue Date: 22/09/2020 Effective Date: 22/09/2020 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective

ID	Location	Details		
D	127m W	Site Name: - Site Address: Gofer Waste Transfer Station, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: - Environmental Permitting Regulations (Waste) Licence Number: FP3994FS EPR reference: - Operator: Windmill Ltd Waste Management licence No: - Annual Tonnage: 0	Issue Date: 02/08/1994 Effective Date: 02/08/1994 Modified: - Surrendered Date: - Expiry Date: 05/12/2005 Cancelled Date: - Status: Expired
D	127m W	Site Name: - Site Address: The Windmill Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: JP3894FM EPR reference: - Operator: Thorncliffe Building Supplies Ltd Waste Management licence No: 37283 Annual Tonnage: 74999	Issue Date: 16/10/2017 Effective Date: 16/10/2017 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
D	127m W	Site Name: Gofer Waste Transfer Station Site Address: Rhuddlan Road, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WIN001 EPR reference: EA/EPR/FP3994FS/A001 Operator: Windmill Ltd Waste Management licence No: 37114 Annual Tonnage: 93540	Issue Date: 02/08/1994 Effective Date: - Modified: 10/12/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
D	127m W	Site Name: - Site Address: Gofer Waste Transfer Station, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: FP3994FS EPR reference: - Operator: Windmill Ltd Waste Management licence No: 0 Annual Tonnage: 0	Issue Date: 02/08/1994 Effective Date: 02/08/1994 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

ID	Location	Details		
D	127m W	Site Name: - Site Address: Thorncliffe Building Supplies Limited, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: JP3894FM EPR reference: - Operator: Thorncliffe Building Supplies Ltd Waste Management licence No: 0 Annual Tonnage: 74999	Issue Date: 14/02/2006 Effective Date: 14/02/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
D	127m W	Site Name: - Site Address: Gofer Waste Transfer Station, Conwy, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: FP3994FS EPR reference: - Operator: Windmill Ltd Waste Management licence No: 37114 Annual Tonnage: 0	Issue Date: 02/08/1994 Effective Date: 02/08/1994 Modified: - Surrendered Date: - Expiry Date: 05/12/2005 Cancelled Date: - Status: Expired
D	127m W	Site Name: - Site Address: The Windmill Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: JP3894FM EPR reference: - Operator: Thorncliffe Building Supplies Ltd Waste Management licence No: 37283 Annual Tonnage: 74999	Issue Date: 16/10/2017 Effective Date: 16/10/2017 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
D	128m W	Site Name: Gofer Waste Transfer Station Site Address: Rhuddlan Road, St George, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WIN001 EPR reference: FP3994FS/A001 Operator: Windmill Ltd Waste Management licence No: 37114 Annual Tonnage: 93540	Issue Date: 02/08/1994 Effective Date: - Modified: 10/12/2003 Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Expired

ID	Location	Details		
D	128m W	Site Name: Thorncliffe Building Supplies Limited Site Address: The Windmill Site, Rhuddlan Road, Abergele, LL22 9SE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: THO014 EPR reference: JP3894FM/A001 Operator: Thorncliffe Building Supplies Ltd Waste Management licence No: 37283 Annual Tonnage: 25000	Issue Date: 14/02/2006 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Issued
D	144m W	Site Name: - Site Address: Abergele Civic Amenity Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: MB3097TG EPR reference: - Operator: - Waste Management licence No: 37282 Annual Tonnage: 25000	Issue Date: 31/03/2016 Effective Date: 31/03/2016 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
D	144m W	Site Name: - Site Address: Abergele Civic Amenity Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: - Environmental Permitting Regulations (Waste) Licence Number: MB3097TG EPR reference: - Operator: Bryson Recycling Ltd Waste Management licence No: - Annual Tonnage: 25000	Issue Date: 31/03/2016 Effective Date: 31/03/2016 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
D	144m W	Site Name: Abergele Civic Amenity Site Site Address: Old Gofer Landfill Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: Laurel House, Kitling Road, Knowsley Business Park, Prescot, Merseyside, L34 9JA	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EWC001 EPR reference: - Operator: Environmental Waste Controls Plc Waste Management licence No: 37282 Annual Tonnage: 50000	Issue Date: 07/09/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
D	144m W	Site Name: Abergele Civic Amenity Site Site Address: Old Gofer Landfill Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 900002 EPR reference: EA/EPR/MB3097TG/T001 Operator: Bryson Recycling Ltd Waste Management licence No: 37282 Annual Tonnage: 50000	Issue Date: 07/09/2005 Effective Date: 08/06/2013 Modified: 06/06/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	144m W	Site Name: Abergele Civic Amenity Site Site Address: Old Gofer Landfill Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EWC001 EPR reference: EA/EPR/JP3594FJ/V002 Operator: Environmental Waste Controls Plc Waste Management licence No: 37282 Annual Tonnage: 50000	Issue Date: 07/09/2005 Effective Date: - Modified: 06/06/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	144m W	Site Name: - Site Address: Abergele Civic Amenity Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: - Environmental Permitting Regulations (Waste) Licence Number: MB3097TG EPR reference: - Operator: Bryson Recycling Ltd Waste Management licence No: - Annual Tonnage: 25000	Issue Date: 31/03/2016 Effective Date: 31/03/2016 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
D	144m W	Site Name: - Site Address: Abergele Civic Amenity Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: MB3097TG EPR reference: - Operator: Bryson Recycling Ltd Waste Management licence No: 0 Annual Tonnage: 25000	Issue Date: 31/03/2016 Effective Date: 31/03/2016 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective

ID	Location	Details		
D	144m W	Site Name: - Site Address: Abergele Civic Amenity Site, Rhuddlan Road, Conwy, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: MB3097TG EPR reference: - Operator: Bryson Recycling Ltd Waste Management licence No: 37282 Annual Tonnage: 25000	Issue Date: 31/03/2016 Effective Date: 31/03/2016 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
D	145m W	Site Name: Abergele Civic Amenity Site Site Address: Old Gofer Landfill Site, Rhuddlan Road, Abergele, Conwy, LL22 9SE Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 900002 EPR reference: MB3097TG/T001 Operator: Bryson Recycling Ltd Waste Management licence No: 37282 Annual Tonnage: 50000	Issue Date: 07/09/2005 Effective Date: 08/06/2013 Modified: 06/06/2011 Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Transferred
11	423m E	Site Name: - Site Address: Bryn Carrog Farm, Bodelwyddan Road, Rhuddlan, Rhyl, Denbighshire, LL18 5UH Correspondence Address: -	Type of Site: - Size: - Environmental Permitting Regulations (Waste) Licence Number: PAN-017959 EPR reference: - Operator: ByProduct Recovery Limited Waste Management licence No: - Annual Tonnage: 12108	Issue Date: 28/06/2022 Effective Date: 28/06/2022 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective

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

3.7 Waste exemptions

Records within 500m	**99**

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 32 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
B	6m S	Parciau, Glascoed, Abergele, Abergele, Conwy, Ll229de	NRW-WME015923	Storing waste exemption	On a farm	Storage of waste in secure containers
B	6m S	Parciau, Glascoed, Abergele, Abergele, Conwy, Ll229de	NRW-WME015923	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	6m S	Parciau, Glascoed, Abergele, Abergele, Conwy, Ll229de	NRW-WME015923	Using waste exemption	On a farm	Use of waste for a specified purpose
B	6m S	Parciau, Glascoed, Abergele, Abergele, Conwy, Ll229de	NRW-WME015923	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	6m S	Parciau, Glascoed, Abergele, Abergele, Conwy, Ll229de	NRW-WME015923	Storing waste exemption	On a farm	Storage of waste in a secure place
B	6m S	Parciau, Glascoed, Abergele, Abergele, Conwy, Ll229de	NRW-WME015923	Using waste exemption	On a farm	Use of waste in construction
B	6m S	Tan Dderwen, Glascoed, Abergele, Denbighshire, Ll229de	NRW-WME016329	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	6m S	Tan Dderwen, Glascoed, Abergele, Denbighshire, Ll229de	NRW-WME016329	Using waste exemption	On a farm	Use of waste in construction
B	6m S	Tan Dderwen, Glascoed, Abergele, Denbighshire, Ll229de	NRW-WME016329	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	6m S	Tan Dderwen, Glascoed, Abergele, Denbighshire, Ll229de	NRW-WME016329	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	6m S	Tan Dderwen, Glascoed, Abergele, Denbighshire, Ll229de	NRW-WME016329	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	6m S	Parciau, Glascoed, Abergele, Abergele, Conwy, Ll229de	NRW-WME015923	Disposing of waste exemption	On a farm	Burning waste in the open
B	6m S	Tan Dderwen, Glascoed, Abergele, Denbighshire, Ll229de	NRW-WME016329	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
B	6m S	Tan Dderwen, Glascoed, Abergele, Denbighshire, Ll229de	NRW-WME016329	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	18m W	Thorncliffe Building Supplies Ltd, Thorncliff Skip & Waste Management, Rhuddlan Road, St. George, Abergele, Conwy, Ll22 9se	NRW-WME061380	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
C	26m W	Conwy County Borough Council, C B C Bulking Station, Rhuddlan Road, Llansansior, Abergele, Conwy, Ll229se	NRW-WME022503	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	26m W	Conwy County Borough Council, C B C Bulking Station, Rhuddlan Road, Llansansior, Abergele, Conwy, Ll229se	NRW-WME022503	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
2	40m NW	Dcww, Kinmel Manor Lodge, St. George Road, Abergele, Conwy, Ll22 9as	NRW-WME063663	Storing waste exemption	Not on a farm	Storage of sludge
A	65m W	Conwy County Borough Council, C B C Bulking Station, Rhuddlan Road, St. George, Abergele, Conwy, Ll22 9se	NRW-WME053649	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	65m W	Conwy County Borough Council, C B C Bulking Station, Rhuddlan Road, St. George, Abergele, Conwy, Ll22 9se	NRW-WME053649	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	65m W	Conwy County Borough Council, C B C Bulking Station, Rhuddlan Road, St. George, Abergele, Conwy, Ll22 9se	NRW-WME089470	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	65m W	Conwy County Borough Council, C B C Bulking Station, Rhuddlan Road, St. George, Abergele, Conwy, Ll22 9se	NRW-WME089470	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
E	94m NE	Ty Newydd, Borth Crossroads, Abergele, Conwy, Ll22 9sb	NRW-WME062484	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
E	96m NE	Porth Farm, Borth Crossroads, Abergele, Conwy, Ll229sb	NRW-WME016207	Storing waste exemption	On a farm	Storage of waste in a secure place
E	96m NE	Porth Farm, Borth Crossroads, Abergele, Conwy, Ll229sb	NRW-WME016207	Using waste exemption	On a farm	Use of waste in construction
E	96m NE	Porth Farm, Borth Crossroads, Abergele, Conwy, Ll229sb	NRW-WME016207	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	96m NE	Porth Farm, Borth Crossroads, Abergele, Conwy, Ll229sb	NRW-WME016207	Using waste exemption	On a farm	Use of waste for a specified purpose
E	96m NE	Porth Farm, Borth Crossroads, Abergele, Conwy, Ll229sb	NRW-WME016207	Disposing of waste exemption	On a farm	Burning waste in the open
E	96m NE	Porth Farm, Borth Crossroads, Abergele, Conwy, Ll229sb	NRW-WME016207	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	96m NE	Porth Yr Esgob, Borth Crossroads, Abergele, Conwy, Ll22 9sb	NRW-WME000831	Using waste exemption	Waste exemption - agricultural	Use of waste derived biodiesel as fuel
E	96m NE	Porth Yr Esgob, Borth Crossroads, Abergele, Conwy, Ll22 9sb	NRW-WME000831	Storing waste exemption	Waste exemption - non-agricultural	Storage of sludge
3	124m NE	Porth Farm, Borth Crossroads, Kimmel Bay, Abergele, Conwy, Ll22 9sb	NRW-WME048428	Using waste exemption	Not on a farm	Use of waste in construction
4	195m SE	North East Wales Wildlife Ltd, Glascoed Nature Reserve, Llys Edmund Prys, St Asaph Business Park, St Asaph, Denbighshire, Ll170ja	NRW-WME005830	Disposing of waste exemption	Not on a farm	Burning waste in the open
5	198m SW	Tarmac Trading Limited, Abergele Asphalt, Nant Du Road, St George, Abergele, Conwy, Ll22 9bd	NRW-WME039326	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
7	227m SE	Bodysgaw Isaf, Llannefydd, Denbigh, Denbigh, Conwy, Ll16 5ds	NRW-WME062206	Using waste exemption	On a farm	Use of waste in construction
G	270m SE	Bradley Environmental Consultants Limited, Bradley Environment, Unit 85, Building 2, Bowen Court, St. Asaph Business Park, St. Asaph, Denbighshire, Ll170je	NRW-WME024134	Disposing of waste exemption	Not on a farm	Depositing samples of waste for the purposes of testing or analysing them
G	275m SE	Bradley Environmental Consultants Limited, Bradley Environment, Unit 85, Building 2, Bowen Court, St. Asaph Business Park, St. Asaph, Denbighshire, Ll17 0je	NRW-WME060540	Disposing of waste exemption	Not on a farm	Depositing samples of waste for the purposes of testing or analysing them
G	275m SE	Bradley Environmental Consultants Limited, Bradley Environment, Unit 85, Building 2, Bowen Court, St. Asaph Business Park, St. Asaph, Denbighshire, Ll17 0je	NRW-WME096579	Disposing of waste exemption	Not on a farm	Depositing samples of waste for the purposes of testing or analysing them
H	279m N	Recycle Cymru Ltd, Unit 28a, Tir Llwyd Industrial Estate, Kinmel Bay, Rhyl, Conwy, Ll18 5ja	NRW-WME070782	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	279m N	Recycle Cymru Ltd, Unit 28a, Tir Llwyd Industrial Estate, Kinmel Bay, Rhyl, Conwy, Ll18 5ja	NRW-WME070782	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
8	282m N	Dcww, Bryn Eryr, Llanfihangel Glyn Myfyr, Corwen, Denbighshire, Ll21 9up	NRW-WME088856	Storing waste exemption	Not on a farm	Storage of sludge
I	305m S	Plastecowood Ltd, Plastecowood Ltd, Unit 2, Expressway Business Park, Abergele Road, Bodelwyddan, Y Rhyl, Denbighshire, Ll185sq	NRW-WME016513	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
I	305m S	Plastecowood Ltd, Plastecowood Ltd, Unit 2, Expressway Business Park, Abergele Road, Bodelwyddan, Y Rhyl, Denbighshire, Ll185sq	NRW-WME016513	Using waste exemption	Not on a farm	Use of waste for a specified purpose
I	305m S	Plastecowood Ltd, Plastecowood Ltd, Unit 2, Expressway Business Park, Abergele Road, Bodelwyddan, Y Rhyl, Denbighshire, Ll185sq	NRW-WME016513	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	305m S	Manbat Ltd, Unit 1, Express Business Park, Bodelwyddan, Abergele, Ll185sq	NRW-WME024012	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	305m S	Plastecowood Ltd, Plastecowood Ltd, Unit 2, Expressway Business Park, Abergele Road, Bodelwyddan, Y Rhyl, Denbighshire, Ll185sq	NRW-WME016513	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
I	308m S	Plastecowood Ltd, Plastecowood Ltd, Unit 2, Expressway Business Park, Abergele Road, Bodelwyddan, Y Rhyl, Denbighshire, Ll18 5sq	NRW-WME044413	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	308m S	Plastecowood Ltd, Plastecowood Ltd, Unit 2, Expressway Business Park, Abergele Road, Bodelwyddan, Y Rhyl, Denbighshire, Ll18 5sq	NRW-WME044413	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	308m S	Plastecowood Ltd, Plastecowood Ltd, Unit 2, Expressway Business Park, Abergele Road, Bodelwyddan, Y Rhyl, Denbighshire, Ll18 5sq	NRW-WME044413	Using waste exemption	Not on a farm	Use of waste for a specified purpose
I	308m S	Plastecowood Ltd, Plastecowood Ltd, Unit 2, Expressway Business Park, Abergele Road, Bodelwyddan, Y Rhyl, Denbighshire, Ll18 5sq	NRW-WME044413	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods

ID	Location	Site	Reference	Category	Sub-Category	Description
I	308m S	Manbat Ltd, Unit 1, Express Business Park, Bodelwyddan, Abergele, Ll18 5sq	NRW-WME052254	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	312m S	Lancaster House, Lancaster Road, Shrewsbury, Shropshire, Sy1 3nj	WEX097277	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	321m W	Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME001908	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
J	321m W	Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME001908	Disposing of waste exemption	Waste exemption - agricultural	Deposit of waste from dredging of inland waters
J	321m W	Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME001908	Storing waste exemption	Waste exemption - agricultural	Storage of waste in secure containers
J	321m W	Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME001908	Treating waste exemption	Waste exemption - agricultural	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
J	321m W	Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME001908	Storing waste exemption	Waste exemption - agricultural	Storage of waste in a secure place
J	321m W	Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME001908	Disposing of waste exemption	Waste exemption - agricultural	Burning waste in the open
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Disposing of waste exemption	On a farm	Burning waste in the open
J	321m W	Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME001908	Using waste exemption	Waste exemption - agricultural	Spreading waste on agricultural land to confer benefit
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment

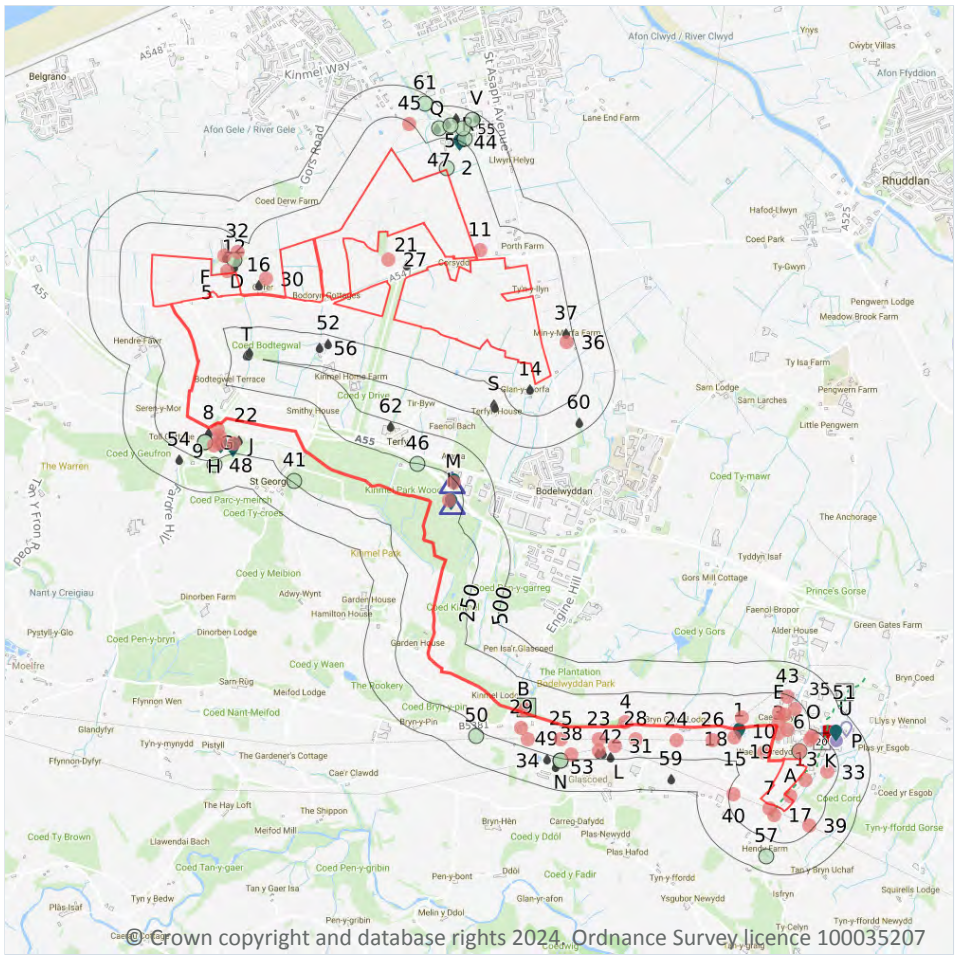
ID	Location	Site	Reference	Category	Sub-Category	Description
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Storing waste exemption	On a farm	Storage of waste in a secure place
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Using waste exemption	On a farm	Use of waste for a specified purpose
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME013235	Using waste exemption	On a farm	Use of waste in construction
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Using waste exemption	On a farm	Use of waste for a specified purpose
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
J	321m W	Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME050671	Using waste exemption	Not on a farm	Use of waste in construction
J	321m W	United Utilities Plc, Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME038357	Storing waste exemption	Not on a farm	Storage of sludge
J	321m W	United Utilities Plc, Hendre Bach, Rhuddlan Road, Abergele, Conwy, Ll229sg	NRW-WME038358	Storing waste exemption	Not on a farm	Storage of sludge
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Disposing of waste exemption	On a farm	Burning waste in the open
J	321m W	Hendre Fawr, Rhuddlan Road, Abergele, Conwy, Ll22 9sg	NRW-WME042516	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
K	326m W	Dcww, Plas Cwtta, Llannefydd, Denbigh, Conwy, Ll16 5ew	NRW-WME072112	Storing waste exemption	Not on a farm	Storage of sludge
K	326m W	Dcww, Plas Cwtta, Llannefydd, Denbigh, Conwy, Ll16 5ew	NRW-WME072114	Storing waste exemption	Not on a farm	Storage of sludge
9	346m S	Thorncliffe Building Supplies Ltd, Thorncliffe, Old Trade Team Dept, Bodelwyddan, Rhyl, Denbighshire, Ll18 5sp	NRW-WME052394	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
10	378m N	Mott Macdonald Bentley Ltd, Kinmel Bay Wastewater Treatment Works, Off St Asaph Avenue, Kinmel Bay, Rhyl, Flintshire, Ll18 5ja	NRW-WME050621	Using waste exemption	Not on a farm	Use of waste in construction
L	418m N	Deakin Electrical, Unit 23, Tir Llwyd Industrial Estate, Kinmel Bay, Rhyl, Conwy, Ll18 5ja	NRW-WME049831	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	418m N	Recycle Cymru Ltd, Unit 28a, Tir Llwyd Industrial Estate, Kinmel Bay, Rhyl, Conwy, Ll185ja	NRW-WME037315	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

ID	Location	Site	Reference	Category	Sub-Category	Description
L	418m N	Recycle Cymru Ltd, Unit 28a, Tir Llwyd Industrial Estate, Kinmel Bay, Rhyl, Conwy, Ll185ja	NRW-WME037315	Storing waste exemption	Not on a farm	Storage of waste in a secure place
12	427m SW	Kinmel Home Farm Partnership, Plas Kinmel, Rhuddlan Road, St. George, Abergele, Conwy, Ll229sf	NRW-WME034787	Using waste exemption	On a farm	Use of waste in construction
M	440m SE	Cae Cogau, Groesffordd Marli, Abergele, Abergele, Denbighshire, Ll22 9dr	NRW-WME052678	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
M	440m SE	Cae Cogau, Groesffordd Marli, Abergele, Abergele, Denbighshire, Ll22 9dr	NRW-WME052678	Disposing of waste exemption	On a farm	Burning waste in the open
M	440m SE	Cae Cogau, Groesffordd Marli, Abergele, Abergele, Denbighshire, Ll22 9dr	NRW-WME052678	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
M	440m SE	Cae Cogau, Groesffordd Marli, Abergele, Abergele, Denbighshire, Ll22 9dr	NRW-WME052678	Storing waste exemption	On a farm	Storage of waste in a secure place
M	440m SE	Cae Cogau, Groesffordd Marli, Abergele, Abergele, Denbighshire, Ll22 9dr	NRW-WME052678	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
M	440m SE	Cae Cogau, Groesffordd Marli, Abergele, Abergele, Denbighshire, Ll22 9dr	NRW-WME052678	Using waste exemption	On a farm	Use of waste in construction
M	440m SE	Cae Cogau, Groesffordd Marli, Abergele, Abergele, Denbighshire, Ll22 9dr	NRW-WME052678	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
M	440m SE	Cae Cogau, Groesffordd Marli, Abergele, Abergele, Denbighshire, Ll22 9dr	NRW-WME052678	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
13	468m N	Mervic, Towyn Way East, Towyn, Abergele, Conwy, Ll22 9nb	NRW-WME045022	Using waste exemption	Not on a farm	Use of waste in construction
14	476m SE	Pure Residential And Commercial Ltd, 6 New Vision Business Park, Glascoed Road, St. Asaph, Denbighshire, Ll17 0lp	NRW-WME084190	Using waste exemption	Not on a farm	Use of waste in construction

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	48

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 53 >**

ID	Location	Company	Address	Activity	Category
A	12m SE	Pylon	Clwyd, LL17	Electrical Features	Infrastructure and Facilities
B	17m S	Tank	Clwyd, LL22	Tanks (Generic)	Industrial Features
B	19m S	Tank	Clwyd, LL22	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
3	22m SE	Laser Micromachining Ltd	42 Ffordd Richard Davies, St Asaph Business Park, St. Asaph, Clwyd, LL17 0LJ	Cutting, Drilling and Welding Services	Construction Services
4	23m SE	B S C Distribution Ltd	Bryn Celyn, Glascoed Road, Glascoed, Abergele, Clwyd, LL22 9DF	Electrical Components	Industrial Products
5	24m W	Recycling Centre	Clwyd, LL22	Recycling Centres	Infrastructure and Facilities
6	34m SE	Carbon Zero Renewables	Caer Delyn, Glascoed Road, St. Asaph, Clwyd, LL17 0LG	Electronic Equipment	Industrial Products
7	35m SE	Pylon	Clwyd, LL17	Electrical Features	Infrastructure and Facilities
9	39m SW	Electricity Sub Station	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
10	41m SE	Slurry Bed	Clwyd, LL17	Waste Storage, Processing and Disposal	Infrastructure and Facilities
11	41m NE	Solar Panels	Clwyd, LL22	Energy Production	Industrial Features
13	51m SE	Pylon	Clwyd, LL17	Electrical Features	Infrastructure and Facilities
15	62m SE	M & B Contractors Ltd	Glascoed Road, St. Asaph, Clwyd, LL17 0LG	Civil Engineers	Engineering Services
C	67m SE	Welsh Ambulance Services	Unit 7, Ffordd Richard Davies, St Asaph Business Park, St Asaph, Clwyd, LL17 0LJ	Ambulance and Medical Transportation Services	Health Support Services
17	72m SE	Electricity Sub Station	Clwyd, LL17	Electrical Features	Infrastructure and Facilities
18	77m SE	Pylon	Clwyd, LL17	Electrical Features	Infrastructure and Facilities
19	81m SE	Leader Optec	Unit 15, Ffordd Richard Davies, St Asaph Business Park, St Asaph, Clwyd, LL17 0LJ	Cable, Wire and Fibre Optics	Industrial Products
22	92m SW	Hopper	Clwyd, LL22	Hoppers and Silos	Farming
23	95m SE	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
E	96m SE	Bio-check UK Ltd	Unit 33, Llys Edmund Prys, St Asaph Business Park, St Asaph, Clwyd, LL17 0JA	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products

ID	Location	Company	Address	Activity	Category
E	100m SE	Home From Home Decking	Unit 32, Llys Edmund Prys, St Asaph Business Park, St Asaph, Clwyd, LL17 0JA	Garden Goods	Consumer Products
24	101m SE	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
25	104m S	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
26	105m SE	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
F	108m W	Thorncliffe Building Supplies Ltd	Thorncliffe Recycling Centre, Rhuddlan Road, Abergele, Clwyd, LL22 9SE	Construction and Tool Hire	Hire Services
27	109m NW	Kinmel 2 CIC - Solar Photovoltaics (BEIS)	Rhuddlan Road, Towyn, Conwy, Clwyd, LL22	Energy Production	Industrial Features
28	110m SE	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
29	113m S	Slurry Tank	Clwyd, LL22	Waste Storage, Processing and Disposal	Infrastructure and Facilities
30	119m W	Tank	Clwyd, LL22	Tanks (Generic)	Industrial Features
H	136m SW	Parc-Y-Meirch Quarry (Limestone)	Clwyd, LL22	Stone Quarrying and Preparation	Extractive Industries
I	139m S	Asda Kinmel Park West Express Petrol	A55 Westbound, Bodelwyddan, Rhyl, Clwyd, LL18 5XW	Petrol and Fuel Stations	Road and Rail
H	141m SW	Hanson Aggregates	Concrete Batching Plant Parc y Meirch Quarry, Bodtegwel, St George, Clwyd, LL22 9BD	Unspecified Quarries Or Mines	Extractive Industries
31	143m SE	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
32	165m W	Amenity Tip	Clwyd, LL22	Refuse Disposal Facilities	Infrastructure and Facilities
33	166m SE	Electricity Distribution Site	Clwyd, LL17	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
K	172m SE	Electricity Sub Station	Clwyd, LL17	Electrical Features	Infrastructure and Facilities
J	176m SW	Tank	Clwyd, LL22	Tanks (Generic)	Industrial Features
34	180m S	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
L	183m SE	Sewage Works	Clwyd, LL22	Waste Storage, Processing and Disposal	Infrastructure and Facilities
35	187m SE	Electricity Sub Station	Clwyd, LL17	Electrical Features	Infrastructure and Facilities
36	194m E	Tank	Clwyd, LL22	Tanks (Generic)	Industrial Features
K	197m SE	Phoenix Optical Technologies Ltd	Unit 5, Ffordd Richard Davies, St Asaph Business Park, St Asaph, Clwyd, LL17 0LJ	Photographic and Optical Equipment	Consumer Products
38	208m S	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
39	212m SE	Pylon	Clwyd, LL17	Electrical Features	Infrastructure and Facilities
40	216m SE	Pylon	Clwyd, LL22	Electrical Features	Infrastructure and Facilities
M	231m S	Asda Kinmel Park East Express Petrol	55 Expressway, Bodelwyddan, Rhyl, Clwyd, LL18 5XE	Petrol and Fuel Stations	Road and Rail
43	238m SE	J & L Elevator Components	Unit 46 Capital Court, St Asaph Business Park, St. Asaph, Clwyd, LL17 0JG	Lifting and Handling Equipment	Industrial Products
45	242m N	Pumping Station	Clwyd, LL22	Water Pumping Stations	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 53 >**

ID	Location	Company	Address	LPG	Status
I	160m S	ESSO	A55 Expressway Westbound, Bodelwyddan, Rhyl, Denbighshire, LL18 5SR	No	Open
M	218m S	ESSO	A55 Expressway Eastbound, Bodelwyddan, Rhyl, Denbighshire, LL18 5XW	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	3

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on **page 53 >**

ID	Location	Cable Set	Cable Route	Details	
A	**On site**	**DEESIDE - PENTIR 1 CABLE**	**BODELWYDDAN 400KV S/S**	**Cable Make: ABB 400KV XLPE Cable Type: A/C Operating Voltage (kV): 400**	**Year of installation: 2012 Cable in tunnel? Not specified**
20	81m SE	BODE4 ST ASAPH 132KV CABLE SECTION 01	BODELWYDDAN 400kV SUBSTATION	Cable Make: - Cable Type: A/C Operating Voltage (kV): 132	Year of installation: Not specified Cable in tunnel? Yes
51	314m SE	BODE4 ST ASAPH 132KV CABLE SECTION 02	BODELWYDDAN 400kV SUBSTATION	Cable Make: - Cable Type: A/C Operating Voltage (kV): 132	Year of installation: Not specified Cable in tunnel? Yes

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 53 >**

ID	Location	Details	
P	312m SE	Operator: Novar Ed and S Ltd Address: Glascoed Road, St. Asaph, Clwyd, LL17 0ER Process: Inorganic Chemical Processes Permit Number: AP4742	Original Permit Number: IPCAPP Date Approved: 24-2-1998 Effective Date: 2-3-1998 Status: Superseded By Variation
P	312m SE	Operator: Novar Ed and S Ltd Address: Glascoed Road, St. Asaph, Clwyd, LL17 0ER Process: Inorganic Chemical Processes Permit Number: BD0583	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m **3**

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 53 >**

ID	Location	Details	
U	422m SE	Operator: Qioptiq Ltd Installation Name: St Asaph Lens Coating EPR/JP3536LS Process: PRODUCING INORGANIC CHEMICALS SUCH AS: (V) NON-METALS, METAL OXIDES, METAL CARBONYLS OR OTHER INORGANIC COMPOUNDS (FOR EXAMPLE CALCIUM CARBIDE, SILICON, SILICON CARBIDE, TITANIUM DIOXIDE) Permit Number: JP3536LS Original Permit Number: -	EPR Reference: - Issue Date: 27/03/2007 Effective Date: 27/03/2007 Last date noted as effective: 29/10/2024 Status: Effective
U	422m SE	Operator: QIOPTIQ LTD Installation Name: ST ASAPH LENS COATING EPR/JP3536LS Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: JP3536LS Original Permit Number: JP3536LS	EPR Reference: - Issue Date: 27/03/2007 Effective Date: 27/03/2007 Last date noted as effective: 17/11/2015 Status: EFFECTIVE
U	422m SE	Operator: QIOPTIQ LTD Installation Name: ST ASAPH LENS COATING EPR/JP3536LS Process: - Permit Number: JP3536LS Original Permit Number: JP3536LS	EPR Reference: - Issue Date: 27/03/2007 Effective Date: 27/03/2007 Last date noted as effective: 01/12/2016 Status: 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	9

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 53 >**

ID	Location	Address	Details	
1	14m SE	Denbighshire Memorial Ltd, Denbighshire Memorial Park & Crematorium, Glascoed Road, St Asaph, Denbighshire, LL17 0LG	Process: Crematoria Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
H	140m SW	Breedon Trading Ltd, Concrete Batching PLant. St.Georges Quarry, Nant Du Road, Abergele, Conwy, LL22 9BD	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	151m S	Kinmel Park Service Station (W), A55 Expressway (Westbound), Bodelwyddan, Denbighshire, LL18 5XW	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of enforcement: 10/01/2019 Comment: EPR/VAR/016/100119, EP (E&W) Regulations 2016 R20 Variation Notice (Consolidated Permit)
H	152m SW	Hanson Aggregates, Abergele Quarry, St George, Abergele, Conwy, LL22 9BD	Process: Quarry Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
J	198m SW	Tarmac Topmix Concrete Batching Plant, St George Quarry, Tarmac Central Ltd, Abergele Quarry Roadstone Coating Plant, Abergele, Conwy, LL22 9BD	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
J	214m SW	Tarmac Trading Ltd, Abergele Quarry Roadstone Coating Plant, Abergele, Conwy, LL22 9BD	Process: Quarry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
M	233m S	Kinmel Park Service Station (E), A55 Expressway (Eastbound), Bodelwyddan, Denbighshire, LL20 5XE	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of enforcement: 10/01/2019 Comment: EPR/VAR/015/100119, EP (E&W) Regulations 2016 R20 Variation Notice (Consolidated Permit)
44	240m N	GMC (Concrete) Ltd, Tir Llwyd, Kinmel Bay, Conwy, LL18 5JA	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
O	340m SE	Qioptic Ltd, Glascoed Road, St Asaph, Denbighshire, LL17 0LL	Process: Solvent Emissions Status: Current Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of enforcement: 30/06/2000 Comment: EPA 1990 S10 Variation Notice (Non-substantial Change)

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	**35**

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 53 >**

ID	Location	Address	Details	
8	37m SW	Abergele Quarry, Nant Ddu Road, St George, Abergele, LL22 9BD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CG0320601 Permit Version: 0 Receiving Water: Nant Ddu Stream	Status: Effective Issue date: 13/10/2023 Effective Date: 13/10/2023 Revocation Date: -

ID	Location	Address	Details	
B	39m S	Glascoed WTW 'The Park Discharge', Glascoed Water Treatment Works, Off Glascoed Road, Abergele, LL22 9DG	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: CM0062901 Permit Version: 0 Receiving Water: Unnamed tributary of the Sarn Cut	Status: Effective Issue date: 09/11/2022 Effective Date: 09/11/2022 Revocation Date: -
B	39m S	GLASCOED WTW - PRESSURE FILTER, Glascoed, Denbighshire, WALES	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: CM0062901 Permit Version: 5 Receiving Water: TRIB OF SARN CUT	Status: Effective Issue date: 24/09/2009 Effective Date: 01/01/2010 Revocation Date: -
12	41m W	LAND WEST GOFER LANDFILL SITE, RHUDDLAN ROAD, ST GEORGE, ABERGELE, CONWY, LL22 9SE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG0440901 Permit Version: 0 Receiving Water: UNNAMED TRIB BODORYN CUT	Status: Effective Issue date: 16/01/2006 Effective Date: 01/07/2007 Revocation Date: -
14	59m SE	BODELWYDDAN GANOLBLAS FARM HOUSING, BODELWYDDAN GANOLBLAS FARM HOUSI, GANOLBLAS FARM HOUSING SITE	Effluent Type: UNSPECIFIED Permit Number: CM0039501 Permit Version: 1 Receiving Water: UN-NAMED TRIB. OF GLAN-Y-MORFA	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 16/02/1967 Effective Date: 16/02/1967 Revocation Date: 02/02/1994
16	65m W	GOFER FARM, RHUDDLAN ROAD, ABERGELE, CONWY, NORTH WALES, LL22 9SE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG0440801 Permit Version: 0 Receiving Water: TRIB OF RIVER GELE VIA REEDBED	Status: Effective Issue date: 01/12/2005 Effective Date: 01/12/2005 Revocation Date: -
21	87m N	MORFA LODGE RHUDDLAN RD ST GEORGE, MORFA LODGE, RUDDLAN RD ST GEORGE, ABERGELE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG039220101 Permit Version: 1 Receiving Water: UNNAMED WATERCOURSE VIA SOAK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 08/03/2001 Effective Date: 08/03/2001 Revocation Date: -
D	99m W	GOFER CIVIC AMENITY SITE, OFF RHUDDLAN ROAD, ABERGELE, CONWY, WALES, LL22 9SE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CG0416201 Permit Version: 0 Receiving Water: BODORYN CUT	Status: Effective Issue date: 14/05/2004 Effective Date: 14/05/2004 Revocation Date: -

ID	Location	Address	Details	
F	111m W	THORNCLIFFE TRANSFER STATION, LAND AT GOFER, RHUDDLAN ROAD, ABERGELE, CONWY, LL22 9SE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CG0442601 Permit Version: 0 Receiving Water: UNNAMED WATERCOURSE	Status: Effective Issue date: 19/04/2006 Effective Date: 19/04/2006 Revocation Date: -
J	149m SW	ABERGELE QUARRY ABERGELE, ABERGELE QUARRY ABERGELE, ABERGELE, ABERGELE, ABERGELE, ABERGELE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: WQD003004 Permit Version: 0 Receiving Water: TRIB OF AFON GELE	Status: Effective Issue date: 19/09/2008 Effective Date: 19/09/2008 Revocation Date: -
37	200m E	MIN Y MORFA FARM, BODELWYDDAN, RHYL, DENBIGHSHIRE, NORTH WALES, LL18 5SB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG0411601 Permit Version: 1 Receiving Water: TRIBUTARY OF BODELWYDDAN DRAIN	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY Issue date: 19/09/2003 Effective Date: 19/09/2003 Revocation Date: -
L	202m SE	MARLI GLASCOED STW, CAE ONNANA, GLASCOED, ABERGELE, DENBIGHSHIRE, LL22 9DS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0145301 Permit Version: 0 Receiving Water: Groundwater via infiltration system	Status: Effective Issue date: 05/05/2017 Effective Date: 05/05/2017 Revocation Date: -
L	206m SE	CEFN MARLI STW	Effluent Type: UNSPECIFIED Permit Number: CM0145201 Permit Version: 1 Receiving Water: NOT NAMED	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 23/09/1994 Effective Date: 23/09/1974 Revocation Date: 30/01/1996
42	236m SE	MARLI GLASCOED STW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0045601 Permit Version: 1 Receiving Water: UN-NAMED TRIB. OF CLWYD	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 30/10/1967 Effective Date: 30/10/1967 Revocation Date: 27/08/1983
49	289m S	Glascoed WTW, Off B5381 Glascoed Road, Glascoed, Abergele, LL22 9DG	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: CG0349301 Permit Version: 0 Receiving Water: AFON ELWY	Status: Effective Issue date: 22/06/2020 Effective Date: 22/06/2020 Revocation Date: -

ID	Location	Address	Details	
52	314m SW	BODORYN FAWR ST GEORGE ABERGELE, ST GEORGE ABERGELE, ABERGELE	Effluent Type: UNSPECIFIED Permit Number: CG0328601 Permit Version: 1 Receiving Water: INTO LAND	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 09/04/1992 Effective Date: 10/04/1992 Revocation Date: 22/06/1994
53	321m S	GLASCOED - CHLORINATED O/F	Effluent Type: UNSPECIFIED Permit Number: CG0301201 Permit Version: 1 Receiving Water: GROUND	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 02/10/1989 Effective Date: 02/10/1989 Revocation Date: 17/03/1994
54	327m SW	ABERGELE QUARRY ABERGELE, ABERGELE QUARRY ABERGELE, ABERGELE, ABERGELE, ABERGELE, ABERGELE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: CG0320601 Permit Version: 0 Receiving Water: TRIB OF AFON GELE	Status: Effective Issue date: 27/09/1991 Effective Date: 27/09/1991 Revocation Date: -
Q	328m N	RHYL (KINMEL BAY) WWTW KINMEL BAY, RHYL (KINMEL BAY) WWTW, ST ASAPH AVENUE, KINMEL BAY, CONWY	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CG0314401 Permit Version: 0 Receiving Water: COASTAL WATERS - LIVERPOOL BAY	Status: Effective Issue date: 24/09/2009 Effective Date: 01/01/2010 Revocation Date: -
Q	328m N	RHYL (KINMEL BAY) WWTW KINMEL BAY, RHYL (KINMEL BAY) WWTW, ST ASAPH AVENUE, KINMEL BAY, CONWY	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CG0314401 Permit Version: 4 Receiving Water: COASTAL WATERS - LIVERPOOL BAY	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/12/2005 Effective Date: 31/12/2005 Revocation Date: 31/12/2009
Q	328m N	RHYL (KINMEL BAY) WWTW KINMEL BAY, RHYL (KINMEL BAY) WWTW, ST ASAPH AVENUE, KINMEL BAY, CONWY	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CG0391301 Permit Version: 1 Receiving Water: COASTAL WATERS - LIVERPOOL BAY	Status: Effective Issue date: 30/10/2000 Effective Date: 31/10/2000 Revocation Date: -
Q	328m N	RHYL (KINMEL BAY) WWTW KINMEL BAY, RHYL (KINMEL BAY) WWTW, ST ASAPH AVENUE, KINMEL BAY, CONWY	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CG039130101 Permit Version: 1 Receiving Water: COASTAL WATERS - LIVERPOOL BAY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/10/2000 Effective Date: 31/10/2000 Revocation Date: -

ID	Location	Address	Details	
56	357m SW	BODORYN FAWR, ST GEORGE, NR ABERGELE, N WALES, UK, LL22 9SF	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG0448301 Permit Version: 0 Receiving Water: TRIB AFON GELE VIA REED BED	Status: Effective Issue date: 10/09/2007 Effective Date: 01/01/2008 Revocation Date: -
R	359m N	Kinmel Bay WwTW Storm Overflow, Quarry Line Path, Kinmel Bay, Conwy, LL18 5HB	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CG0391301 Permit Version: 0 Receiving Water: Coastal Waters of Liverpool Bay	Status: Effective Issue date: 21/10/2021 Effective Date: 21/10/2021 Revocation Date: -
S	363m SE	TERFYN COURT, PEN Y FFRITH FARM, TERFYN, BODELWYDDAN, DENBIGHSHIRE, LL18 5SW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG0417001 Permit Version: 0 Receiving Water: Partial infiltration to ground with discharge to watercourse	Status: Effective Issue date: 27/05/2004 Effective Date: 01/08/2004 Revocation Date: -
S	363m SE	TERFYN COURT, PEN Y FFRITH FARM, TERFYN, BODELWYDDAN, DENBIGHSHIRE, LL18 5SW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG0417001 Permit Version: 1 Receiving Water: UNNAMED TRIB VIA PART SOAKAWAY	Status: Effective Issue date: 27/05/2004 Effective Date: 01/08/2004 Revocation Date: -
S	366m SE	TERFYN COURT, PEN Y FFRITH FARM, TERFYN, BODELWYDDAN, DENBIGHSHIRE, LL18 5SW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CG0417001 Permit Version: 1 Receiving Water: UNNAMED TRIB VIA PART SOAKAWAY	Status: Effective Issue date: 27/05/2004 Effective Date: 01/08/2004 Revocation Date: -
T	372m W	BODTEGWEL PS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CG0318501 Permit Version: 1 Receiving Water: UNNAMED DITCH	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 08/10/1991 Effective Date: 08/10/1991 Revocation Date: 04/03/1994

ID	Location	Address	Details	
T	382m W	BODTEGWEL STW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0104201 Permit Version: 1 Receiving Water: TRIB OF BODORYN CUT	Status: REVOKED - UNSPECIFIED Issue date: 19/08/1982 Effective Date: 19/08/1982 Revocation Date: 27/06/1995
T	394m W	BODTEGWEL STW, BODTEGWEL STW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CM0104201 Permit Version: 0 Receiving Water: TRIB OF BODORYN CUT	Status: Effective Issue date: 24/09/2009 Effective Date: 01/01/2010 Revocation Date: -
58	407m N	ABERGELE KINMEL BAY ST.ASAPH AVE.OU, ABERGELE KINMEL BAY ST.ASAPH AVE, KINMEL BAY ST.ASAPH AVE.OUTFALL, ST.ASAPH AVE.OUTFALL NO.3	Effluent Type: UNSPECIFIED Permit Number: CM0092803 Permit Version: 1 Receiving Water: GELE	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 17/03/1982 Effective Date: 17/03/1982 Revocation Date: 17/06/1996
59	410m SE	GROESFFORDD MARLI ABERGELE, MARLI ABERGELE, ABERGELE.	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CM0114901 Permit Version: 1 Receiving Water: UNNAMED TRIB OF THE CLWYD	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 18/11/1966 Effective Date: 18/11/1966 Revocation Date: 31/10/1996
60	429m SE	BODELWYDDAN STORM TANKS	Effluent Type: UNSPECIFIED Permit Number: CM0082701 Permit Version: 1 Receiving Water: UN-NAMED TRIB. OF GLAN-Y-MORFA	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 28/02/1977 Effective Date: 28/02/1977 Revocation Date: 04/03/1994
62	461m S	TERFYN NEAR ABERGELE, NEAR ABERGELE	Effluent Type: UNSPECIFIED Permit Number: CM0083101 Permit Version: 1 Receiving Water: UN-NAMED TRIB. OF GELE	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 14/10/1977 Effective Date: 14/10/1977 Revocation Date: 06/01/1993
V	464m N	ABERGELE KINMEL BAY ST.ASAPH AVE.OU, ABERGELE KINMEL BAY ST.ASAPH AVE, KINMEL BAY ST.ASAPH AVE.OUTFALL, ST.ASAPH AVE.OUTFALL NO.2	Effluent Type: UNSPECIFIED Permit Number: CM0092802 Permit Version: 1 Receiving Water: GELE	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 17/03/1982 Effective Date: 17/03/1982 Revocation Date: 17/06/1996

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	1

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 53 >**

ID	Location	Name	Status	Receiving Water	Authorised Substances
O	302m SE	Pilkington Optronics Ltd, Glascoed Rd, St.asaph	Not Active	-	Mercury (other), Cadmium

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

4.17 List 2 Dangerous Substances

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 53 >**

ID	Location	Name	Status	Receiving Water	Authorised Substances
B	39m S	Glascoed Wtw Pressure Filter	Not Active	Unnamed	Iron

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	18

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 53 >**

ID	Location	Details	
2	17m N	Incident Date: 22/06/2002 Incident Identification: 86654 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Natural Organic Material	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	67m SE	Incident Date: 01/03/2002 Incident Identification: 61313 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	96m W	Incident Date: 27/03/2006 Incident Identification: 386483 Pollutant: Contaminated Water Pollutant Description: Suspended Solids	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	111m SW	Incident Date: 17/06/2016 Incident Identification: 1603356 Pollutant: - Pollutant Description: -	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
G	111m SW	Incident Date: 17/06/2016 Incident Identification: 1603356 Pollutant: Contaminated Water Pollutant Description: Suspended Solids	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
41	233m SW	Incident Date: 19/05/2003 Incident Identification: 159350 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
46	249m S	Incident Date: 28/01/2002 Incident Identification: 54992 Pollutant: Organic Chemicals/Products Pollutant Description: Solvents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	270m S	Incident Date: 24/10/2016 Incident Identification: 1606418 Pollutant: - Pollutant Description: -	Water Impact: No Details Land Impact: Category 3 (Minor) Air Impact: No Details

ID	Location	Details	
N	270m S	Incident Date: 24/10/2016 Incident Identification: 1606418 Pollutant: Sewage Material Pollutant Description: Grey Water	Water Impact: No Details Land Impact: Category 3 (Minor) Air Impact: No Details
47	285m N	Incident Date: 23/07/2015 Incident Identification: 1357795 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
48	289m SW	Incident Date: 23/11/2002 Incident Identification: 122589 Pollutant: Inert Materials and Wastes Pollutant Description: Mineral Materials and Wastes	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
50	298m S	Incident Date: 09/06/2003 Incident Identification: 164259 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
Q	328m N	Incident Date: 23/08/2002 Incident Identification: 102809 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
55	348m N	Incident Date: 07/08/2003 Incident Identification: 179665 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
R	349m N	Incident Date: 05/11/2013 Incident Identification: 1173680 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
57	379m SE	Incident Date: 14/02/2015 Incident Identification: 1313894 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
V	441m N	Incident Date: 06/02/2014 Incident Identification: 1202427 Pollutant: Organic Chemicals/Products Pollutant Description: Adhesives	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
61	443m N	Incident Date: 18/09/2015 Incident Identification: 1374141 Pollutant: Sewage Materials Pollutant Description: Final Effluent	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

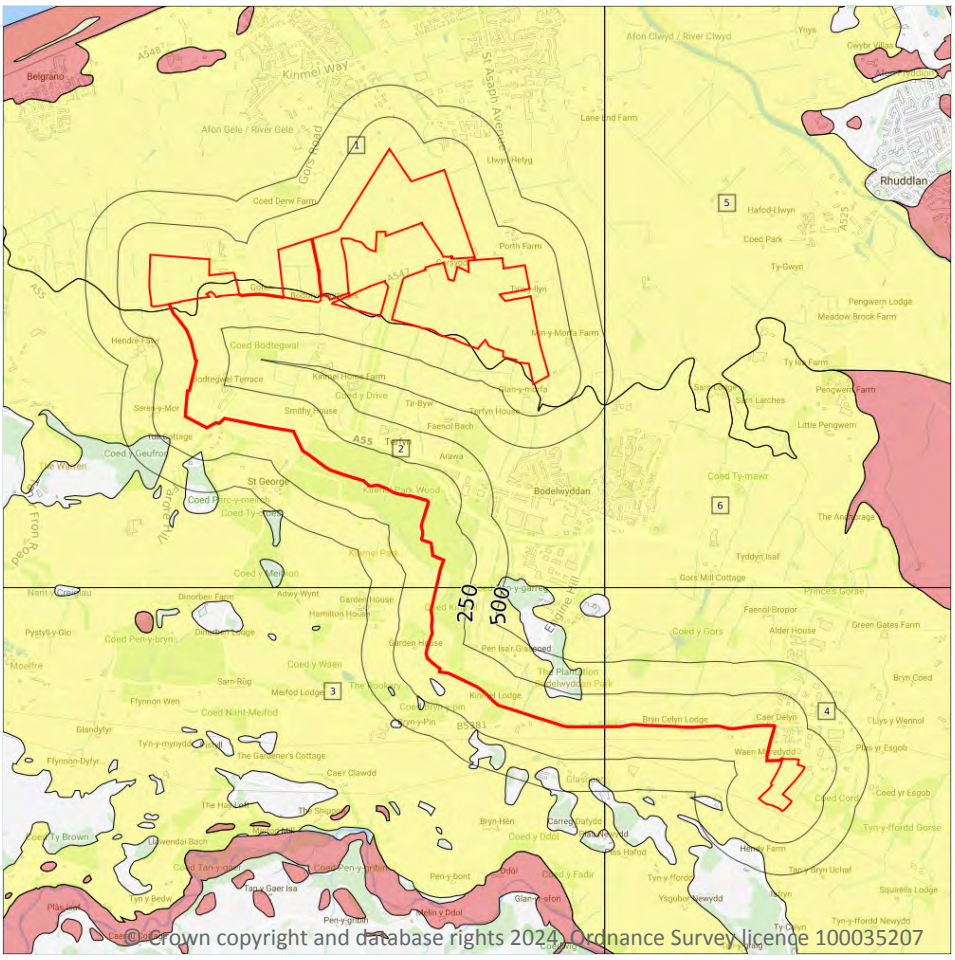
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m **6**

Aquifer status of groundwater held within superficial geology.

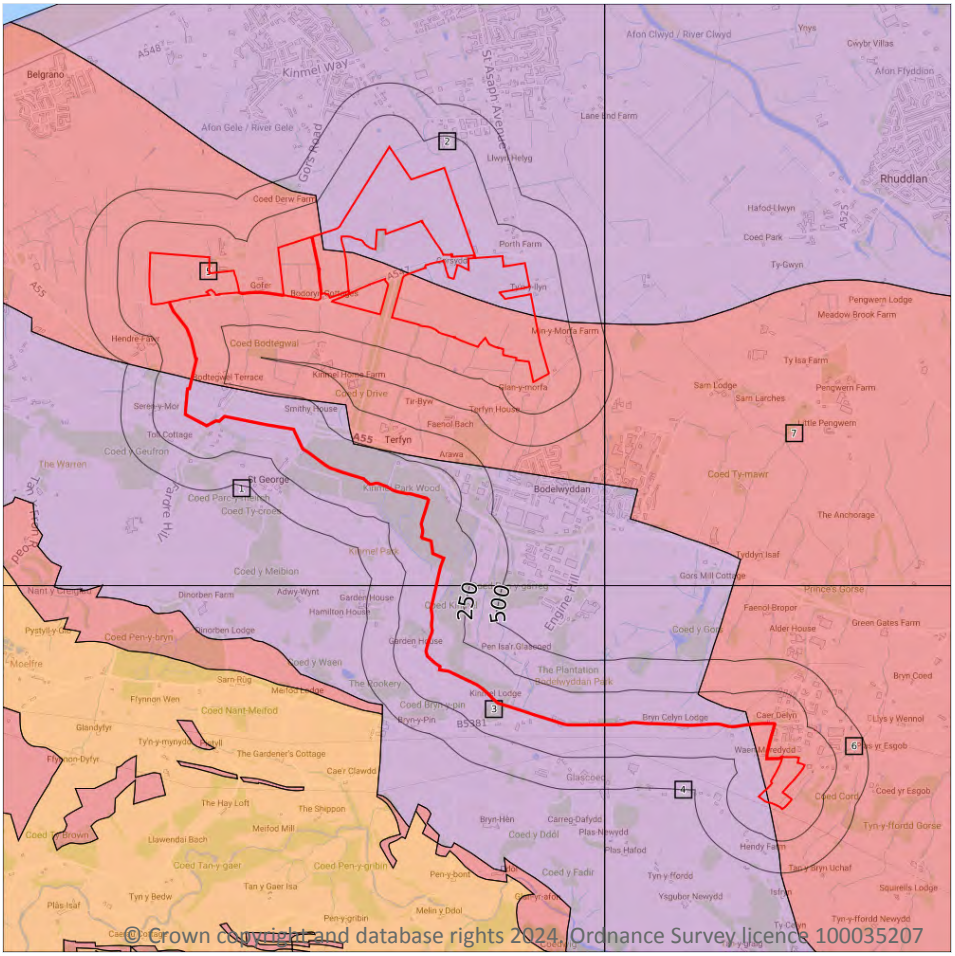
Features are displayed on the Hydrogeology map on **page 71 >**

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	On site	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
3	**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**
4	**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**
5	438m E	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
6	495m SE	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	7

Aquifer status of groundwater held within bedrock geology.

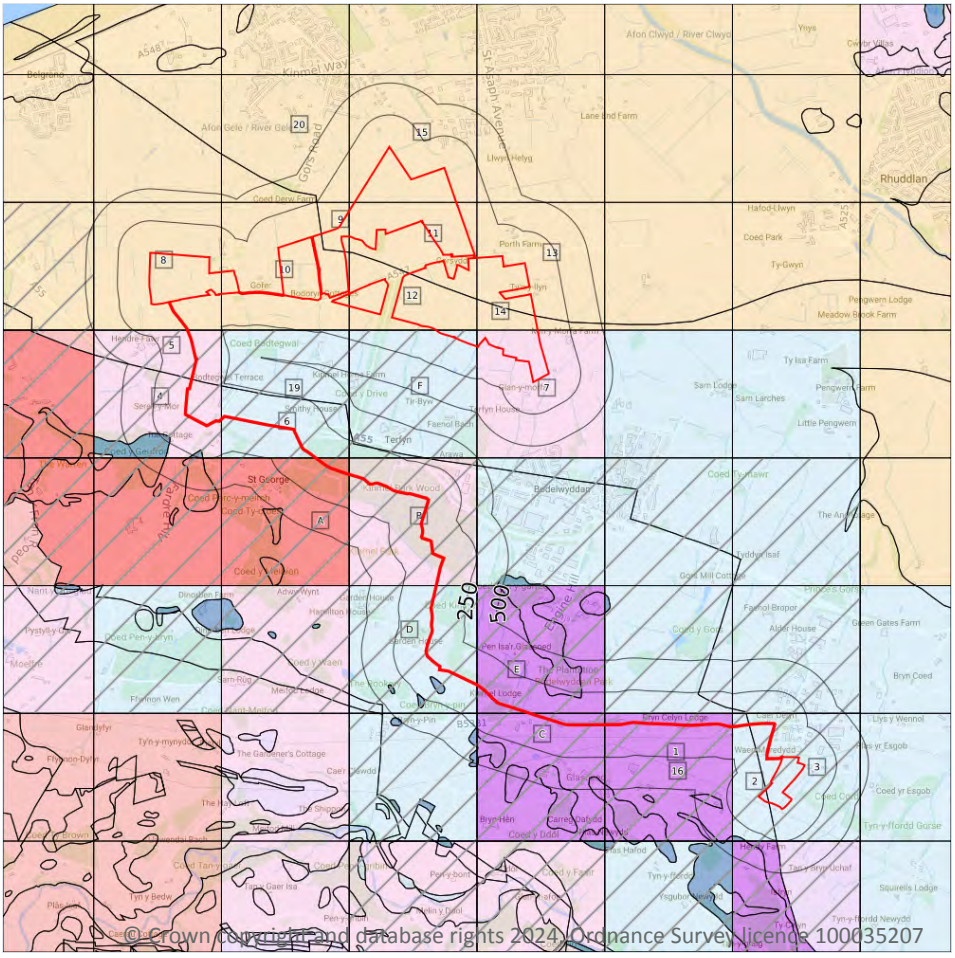
Features are displayed on the Bedrock aquifer map on **page 73 >**

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

ID	Location	Designation	Description
3	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
4	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
5	**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**
6	**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**
7	438m E	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	22

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 75 >**

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

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

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

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
D	**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: Medium**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures**
E	**On site**	**Summary Classification: Principal bedrock aquifer - Medium 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: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures**
F	**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: Medium**	**Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures**
20	36m NW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**10**

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
16	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**59.0%**

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
17	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**21.0%**
18	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**19.0%**
19	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**1.0%**
A	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**44.0%**
B	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**7.000000000000001%**
C	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**77.0%**
D	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**66.0%**
E	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**72.0%**
F	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**2.0%**

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

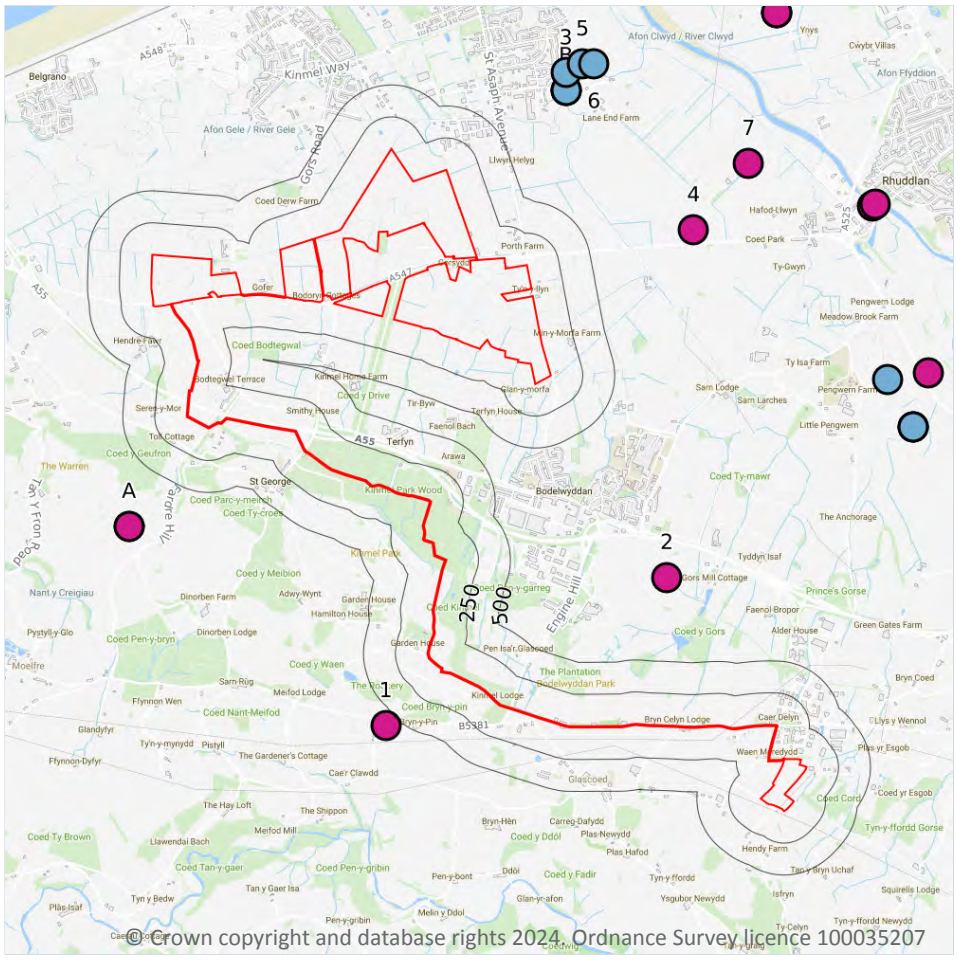
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m	8

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 82 >**

ID	Location	Details	
1	600m S	Status: Historical Licence No: 24/66/6/0013 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT BRYN PIN MAWR Data Type: Point Name: Jones Easting: 298270 Northing: 373920	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/07/1998 Expiry Date: 31/08/2003 Issue No: 100 Version Start Date: 31/07/1998 Version End Date: -
A	969m SW	Status: Historical Licence No: 24/66/7/0044 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE A Data Type: Point Name: Morgan Easting: 296260 Northing: 375480	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 07/09/1999 Expiry Date: 07/09/2004 Issue No: 1 Version Start Date: 07/09/1999 Version End Date: -
A	969m SW	Status: Historical Licence No: 24/66/7/0046 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE A Data Type: Point Name: Morgan Easting: 296260 Northing: 375480	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 08/09/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 08/09/2004 Version End Date: -
2	1158m SE	Status: Historical Licence No: 24/66/7/0016 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: MINE ADIT Data Type: Point Name: Schools Trust Ltd Easting: 300470 Northing: 375080	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 29/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -
4	1334m E	Status: Historical Licence No: 24/66/7/0018 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE Data Type: Point Name: Hughes Easting: 300680 Northing: 377800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 24/02/1967 Version End Date: -

ID	Location	Details	
-	1762m W	Status: Historical Licence No: 24/66/7/0043 Details: General Washing/Process Washing Direct Source: EAW Groundwater Point: 100M DEEP, 120MM DIA. BOREHOLE Data Type: Point Name: Roberts And Co. Ltd Easting: 294680 Northing: 377620	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 30/06/1998 Expiry Date: 30/06/2001 Issue No: 100 Version Start Date: 30/06/1998 Version End Date: -
-	1762m W	Status: Historical Licence No: 24/66/7/0045 Details: General Washing/Process Washing Direct Source: EAW Groundwater Point: 100M DEEP, 120MM DIA. BOREHOLE Data Type: Point Name: Roberts And Co. Ltd Easting: 294680 Northing: 377620	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/08/2001 Expiry Date: 20/08/2004 Issue No: 1 Version Start Date: 01/04/2003 Version End Date: -
7	1908m NE	Status: Historical Licence No: 24/66/7/0012 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE Data Type: Point Name: Owens Easting: 301110 Northing: 378320	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**9**

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 82 >**

ID	Location	Details	
B	1122m NE	Status: Active Licence No: 24/66/7/0036 Details: Spray Irrigation - Direct - High Direct Source: - Point: - Data Type: Point Name: - Easting: 299680 Northing: 378890	Annual Volume (m^3): 2273 Max Daily Volume (m^3): 81.83 Original Application No: - Original Start Date: 01/04/2008 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
B	1122m NE	Status: Historical Licence No: 24/66/7/0036 Details: Spray Irrigation - Direct - High Direct Source: - Point: - Data Type: Point Name: - Easting: 299680 Northing: 378890	Annual Volume (m^3): 2273 Max Daily Volume (m^3): 654.62 Original Application No: - Original Start Date: 01/04/2008 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
B	1122m NE	Status: Historical Licence No: 24/66/7/0036 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: SARN CUT Data Type: Point Name: Davies Easting: 299680 Northing: 378890	Annual Volume (m^3): 2273 Max Daily Volume (m^3): 81.828 Original Application No: - Original Start Date: 16/04/1971 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
3	1205m NE	Status: Historical Licence No: 24/66/7/0009 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: RIVER GELE POINT B Data Type: Point Name: Richardson Easting: 299680 Northing: 379030	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 29/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -
5	1350m NE	Status: Historical Licence No: 24/66/7/0009 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: RIVER GELE POINT A Data Type: Point Name: Richardson Easting: 299810 Northing: 379100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 29/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -

ID	Location	Details	
6	1423m NE	Status: Historical Licence No: 24/66/7/0009 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: RIVER GELE POINT C Data Type: Point Name: Richardson Easting: 299900 Northing: 379100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 29/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -
-	1751m W	Status: Historical Licence No: 24/66/7/0038 Details: General Washing/Process Washing Direct Source: EAW Surface Water Point: RIVER GELE Data Type: Point Name: Roberts And Co. Ltd Easting: 294690 Northing: 377600	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/07/1974 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2000 Version End Date: -
-	1828m S	Status: Active Licence No: WA/466/0006/001 Details: Hydro-electric Power Generation - Very Low Direct Source: - Point: - Data Type: Line Name: - Easting: 300638 Northing: 371583	Annual Volume (m^3): 0 Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/11/2012 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	1828m S	Status: Historical Licence No: WA/466/0006/001 Details: Hydroelectric Power Generation Direct Source: EAW Surface Water Point: RIVER ELWY AT CEFN, ST ASAPH, CLWYD Data Type: Line Name: Sir Watkin Williams-Wynn BT Easting: 300638 Northing: 371583	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/11/2012 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 23/11/2012 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**0**

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.

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

5.9 Source Protection Zones

Records within 500m	0

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

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

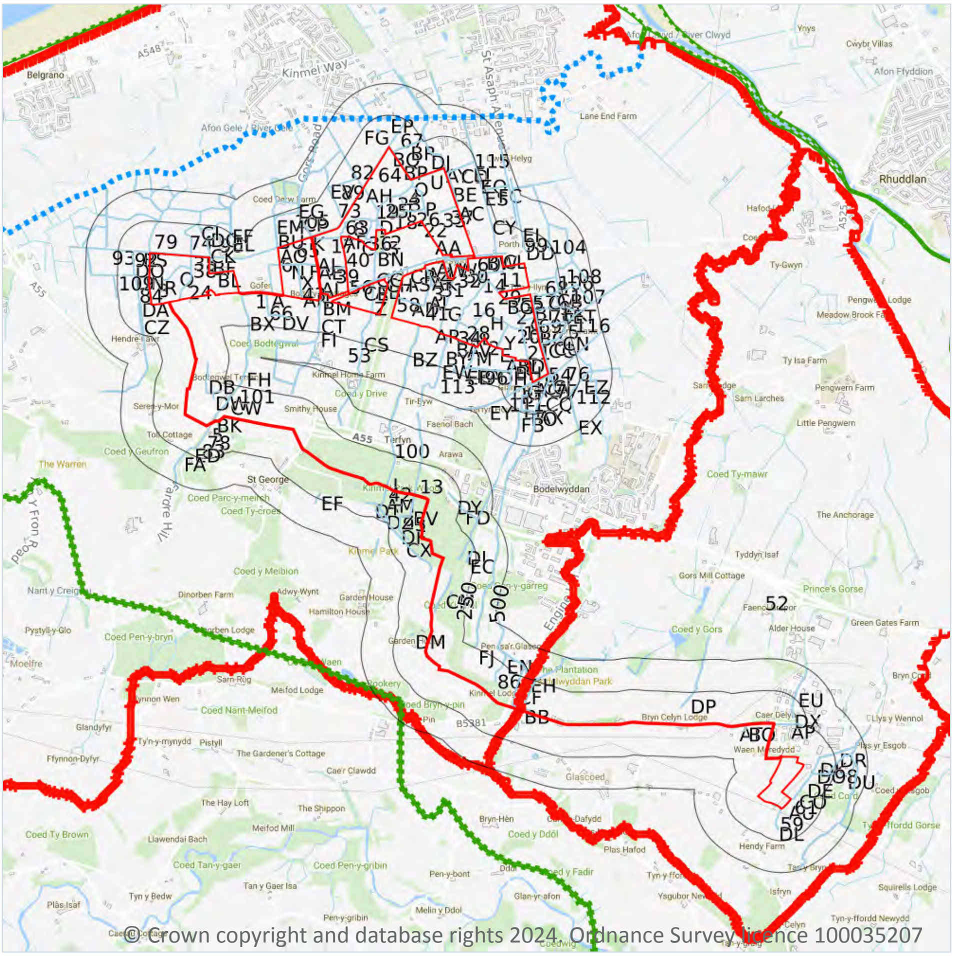
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m **439**

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 88 >

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)	-
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
6	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
10	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
12	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
13	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
14	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
15	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
16	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
17	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
18	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
19	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
20	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
21	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
22	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
23	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
24	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
25	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
26	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
27	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
28	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
29	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
30	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
31	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
32	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
33	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
34	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
35	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
36	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
37	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
38	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
39	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
40	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
41	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
42	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
43	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	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
I	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
I	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
J	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
K	**On site**	**Inland river not influenced by normal tidal action.**	**Underground**	**Watercourse contains water year round (in normal circumstances)**	**-**
L	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
M	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
N	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
O	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
O	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
O	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
O	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
O	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
O	**On site**	**Inland river not influenced by normal tidal action.**	**Underground**	**Watercourse contains water year round (in normal circumstances)**	**-**

ID	Location	Type of water feature	Ground level	Permanence	Name
O	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
V	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	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
X	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Y	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Z	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AA	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AB	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AB	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AD	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AE	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AF	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AH	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AI	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AM	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	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
AO	**On site**	**Inland river not influenced by normal tidal action.**	**Underground**	**Watercourse contains water year round (in normal circumstances)**	**-**
AP	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
AQ	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
A	**On site**	**Lake, loch or reservoir.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
AR	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
AZ	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
54	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	1m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
55	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
56	1m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	1m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AT	1m SE	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
AU	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	1m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	1m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BC	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AY	1m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	1m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BD	1m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BE	1m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AW	1m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AY	1m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AY	1m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AZ	1m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
BD	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BG	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BH	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	1m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BG	1m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BI	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
57	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
58	1m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BJ	1m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AG	1m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BK	1m SW	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
59	2m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
BL	2m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BM	2m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AV	2m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	2m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BJ	2m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BJ	2m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BN	2m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BO	2m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BP	2m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
60	2m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
61	2m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BQ	2m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AG	2m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
W	2m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BR	3m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	3m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
W	3m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	3m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
63	4m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
64	4m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BF	4m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	4m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
65	5m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BF	5m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AO	5m 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
BT	5m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	5m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BS	5m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	5m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	6m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BU	6m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
66	6m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	6m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	6m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	6m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	7m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BV	7m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	8m SE	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
AY	8m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BW	8m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	9m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BX	9m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
67	10m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	10m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BZ	11m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BE	11m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BC	12m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BI	12m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AY	12m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CA	12m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CD	12m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AY	12m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AY	12m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CE	13m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CF	13m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	13m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	13m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
68	13m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
69	13m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BC	13m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
70	13m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CC	13m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	14m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BO	15m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
CH	16m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CG	17m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
73	17m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CJ	17m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
74	18m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
BB	18m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	18m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CK	19m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	19m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	20m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	20m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
W	20m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
W	21m NE	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
W	21m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	21m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	21m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AW	21m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	22m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CL	22m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CM	23m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BO	23m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	23m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	23m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CL	25m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CO	26m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CP	26m 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
W	27m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
75	27m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CP	29m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BN	30m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CJ	31m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CQ	31m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BM	31m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CR	32m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CJ	34m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BO	36m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
76	37m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
77	37m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CS	37m W	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
CT	39m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
78	42m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
79	43m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BK	49m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
CU	49m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	53m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CV	53m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CW	56m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	58m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	58m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CX	59m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CY	63m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	63m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AH	64m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	66m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AG	67m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	71m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	77m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DA	82m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CZ	82m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DB	84m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	86m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	86m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DC	87m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AG	88m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DD	88m NE	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
82	88m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	88m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	88m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DC	88m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DC	88m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DC	88m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	89m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DC	90m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
83	90m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DE	90m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CO	92m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
84	92m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	92m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
DF	93m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CZ	96m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DG	96m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DH	96m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BN	97m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DI	101m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	105m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
86	105m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DJ	108m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DK	109m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	113m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DK	117m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DL	118m SE	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
DM	119m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	120m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	120m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DK	120m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	120m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DN	121m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DO	121m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
89	121m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	122m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DP	124m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	126m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DM	129m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
90	131m W	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
DQ	131m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DK	132m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DC	134m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DR	135m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
92	138m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DT	139m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
93	139m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DC	145m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	147m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DV	152m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DW	154m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	154m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DX	154m SE	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
95	160m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DY	162m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	164m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DZ	164m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	168m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EA	171m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DX	176m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BB	176m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EB	178m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	179m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
96	179m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DW	181m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ED	186m SW	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
DX	186m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	192m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
97	192m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CB	192m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CB	194m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DW	194m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	196m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DW	197m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CN	198m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	201m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	202m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	202m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DC	204m SE	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
EC	204m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EF	204m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
98	205m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DU	205m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
99	206m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
100	210m S	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
BB	210m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EH	210m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	210m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	210m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	212m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	214m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EJ	214m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
EC	214m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EK	215m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AX	215m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
101	216m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EJ	217m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	217m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ED	219m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
104	219m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
105	220m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DI	220m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EL	220m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EL	220m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EM	220m 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
EG	221m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AX	221m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	221m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
106	222m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CB	222m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EM	222m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EM	222m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EO	223m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EP	225m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Gele
DX	225m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
107	226m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EK	226m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CI	227m W	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
EQ	229m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ES	229m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AX	230m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AX	230m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
108	230m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EU	230m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ET	231m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EV	232m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
109	232m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EW	232m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AX	233m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
111	233m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ES	233m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
EX	233m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EY	234m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
112	234m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FA	235m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EZ	235m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EW	235m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
113	238m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
FB	238m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FC	238m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EJ	241m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FD	245m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FF	245m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EJ	246m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
EJ	246m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
115	246m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FG	246m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FH	247m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	248m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FI	249m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EF	249m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FJ	249m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
116	250m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	144

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 88 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	2

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

Features are displayed on the Hydrology map on **page 88 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
52	**On site**	**River WB catchment**	**Pont Robin Cut (Bodelwyddan)**	**GB110066059970**	**Gele**	**Clwyd**
53	**On site**	**River WB catchment**	**Gele**	**GB110066059980**	**Gele**	**Clwyd**

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

6.4 WFD Surface water bodies

Records identified	2

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 88 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
CI	225m N	River	Gele	GB110066059980	Moderate	Good	Moderate	2016
-	1904m E	River	Pont Robin Cut (Bodelwyddan)	GB110066059970	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

Records on site	1

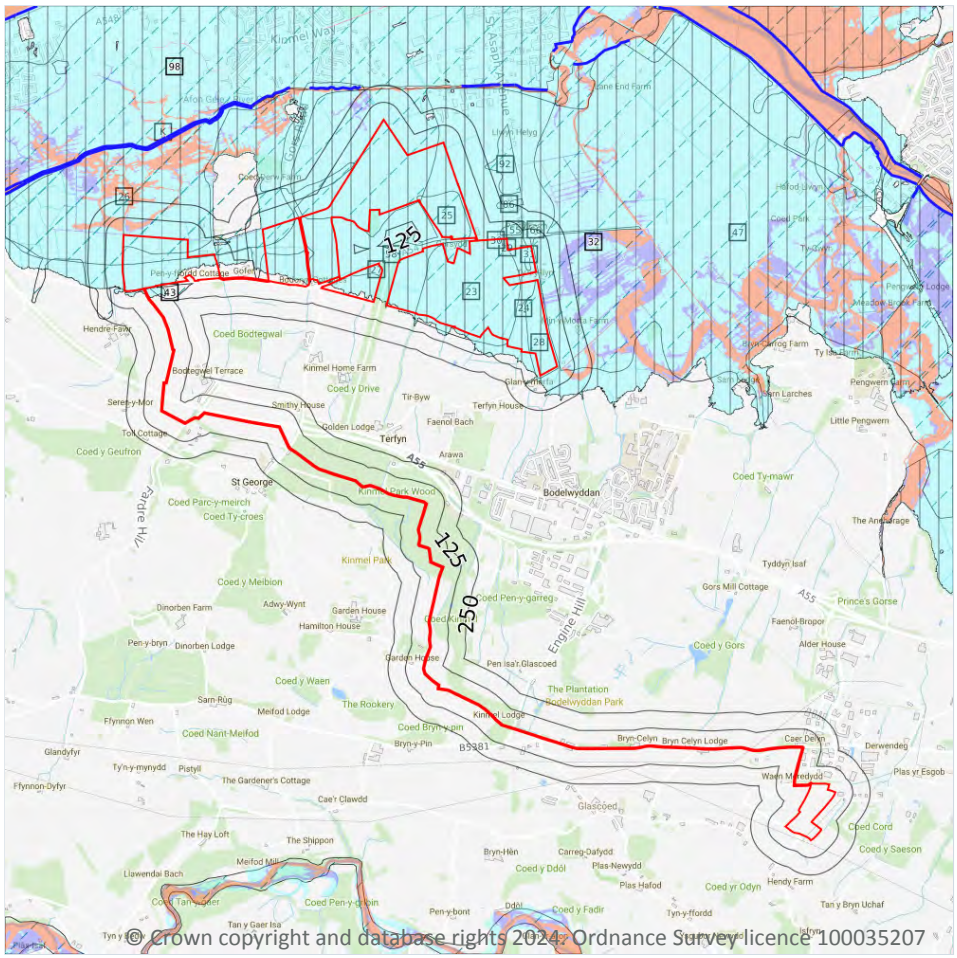
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place.

Features are displayed on the Hydrology map on **page 88 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
AX	**On site**	**Clwyd Permo-Triassic Sandstone**	**GB41001G202100**	**Good**	**Good**	**Good**	**2017**

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

7 River and coastal flooding



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- Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	155

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 125 >**

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

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

7.2 Historical Flood Events

Records within 250m	**19**

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.

Features are displayed on the River and coastal flooding map on **page 125 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
23	**On site**	**St.asaph To R.gele 1964 01**	**1964-01-01 1964-01-01**	**Main river**	**Overtopping of defences**	**Fluvial**
24	**On site**	**Abergele / Rhuddlan Marshes 1977 01**	**1977-02-11 1977-02-12**	**Main river**	**Overtopping of defences**	**Fluvial**
25	**On site**	**Abergele / Rhuddlan Marshes 1977 01**	**1977-02-11 1977-02-12**	**Main river**	**Overtopping of defences**	**Fluvial**
26	**On site**	**Abergele / Rhuddlan Marshes 1977 01**	**1977-02-11 1977-02-12**	**Main river**	**Overtopping of defences**	**Fluvial**
27	**On site**	**Abergele / Rhuddlan Marshes 1977 01**	**1977-02-11 1977-02-12**	**Main river**	**Overtopping of defences**	**Fluvial**
28	**On site**	**St.asaph To R.gele 1964 01**	**1964-01-01 1964-01-01**	**Main river**	**Overtopping of defences**	**Fluvial**
29	**On site**	**Abergele / Rhuddlan Marshes 1977 01**	**1977-02-11 1977-02-12**	**Main river**	**Overtopping of defences**	**Fluvial**
30	**On site**	**Abergele / Rhuddlan Marshes 1977 01**	**1977-02-11 1977-02-12**	**Main river**	**Overtopping of defences**	**Fluvial**
31	**On site**	**Abergele / Rhuddlan Marshes 1977 01**	**1977-02-11 1977-02-12**	**Main river**	**Overtopping of defences**	**Fluvial**
C	**On site**	**Abergele / Rhuddlan Marshes 1977 01**	**1977-02-11 1977-02-12**	**Main river**	**Overtopping of defences**	**Fluvial**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
K	**On site**	**Pensarn, Towyn, Kinmel Bay Feb/ March 1990 01**	**1990-02-27 1990-03-02**	**Other**	**Operational failure/breach of defence**	**Tidal**
L	1m E	Abergele / Rhuddlan Marshes 1977 01	1977-02-11 1977-02-12	Main river	Overtopping of defences	Fluvial
43	7m W	Abergele / Rhuddlan Marshes 1977 01	1977-02-11 1977-02-12	Main river	Overtopping of defences	Fluvial
47	14m E	St.asaph To R.gele 1964 01	1964-01-01 1964-01-01	Main river	Overtopping of defences	Fluvial
55	27m NE	Abergele / Rhuddlan Marshes 1977 01	1977-02-11 1977-02-12	Main river	Overtopping of defences	Fluvial
58	42m N	Abergele / Rhuddlan Marshes 1977 01	1977-02-11 1977-02-12	Main river	Overtopping of defences	Fluvial
66	90m NE	Abergele / Rhuddlan Marshes 1977 01	1977-02-11 1977-02-12	Main river	Overtopping of defences	Fluvial
86	211m NE	Abergele / Rhuddlan Marshes 1977 01	1977-02-11 1977-02-12	Main river	Overtopping of defences	Fluvial
92	226m NE	Abergele / Rhuddlan Marshes 1977 01	1977-02-11 1977-02-12	Main river	Overtopping of defences	Fluvial

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	2

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.

Features are displayed on the River and coastal flooding map on **page 125 >**

ID	Location	
32	**On site**	**Area benefiting from flood defences**
98	242m N	Area benefiting from flood defences

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

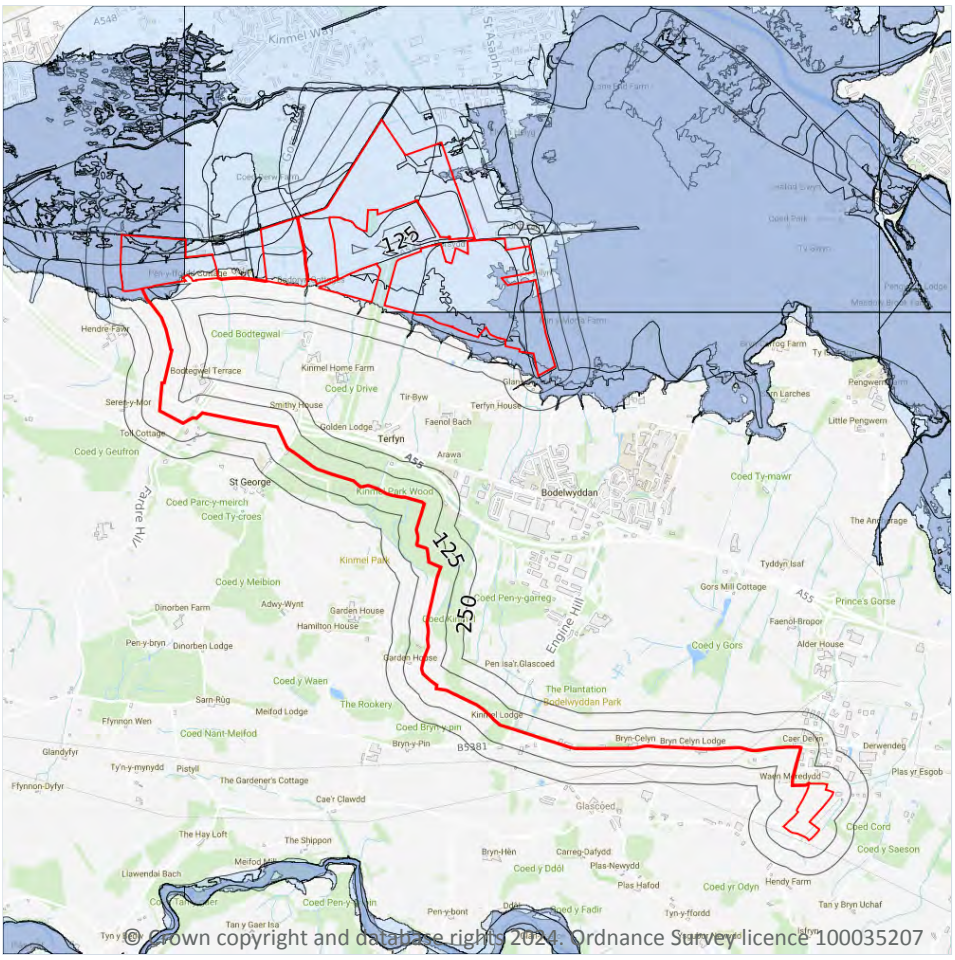
7.5 Flood Storage Areas

Records within 250m	**0**

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

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

River and coastal flooding - Flood Zones



Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

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

Features are displayed on the River and coastal flooding map on **page 125 >**

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

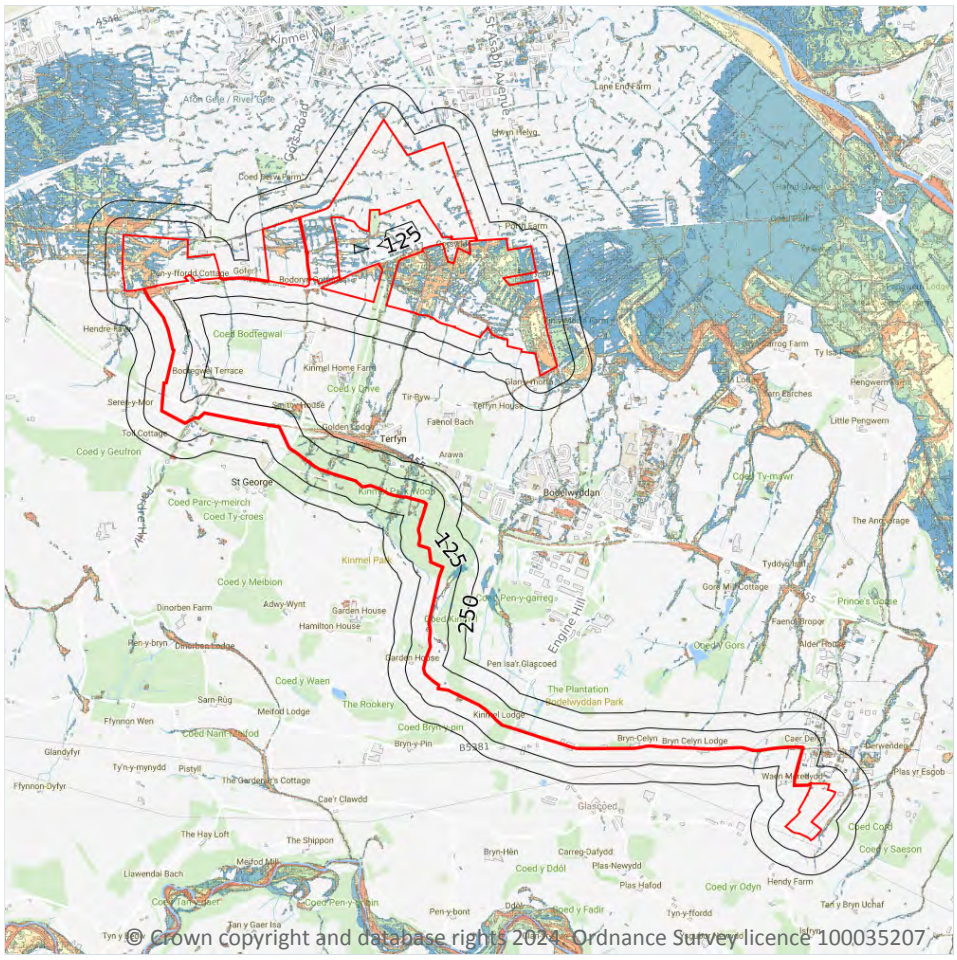
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 125 >**

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 131 >**

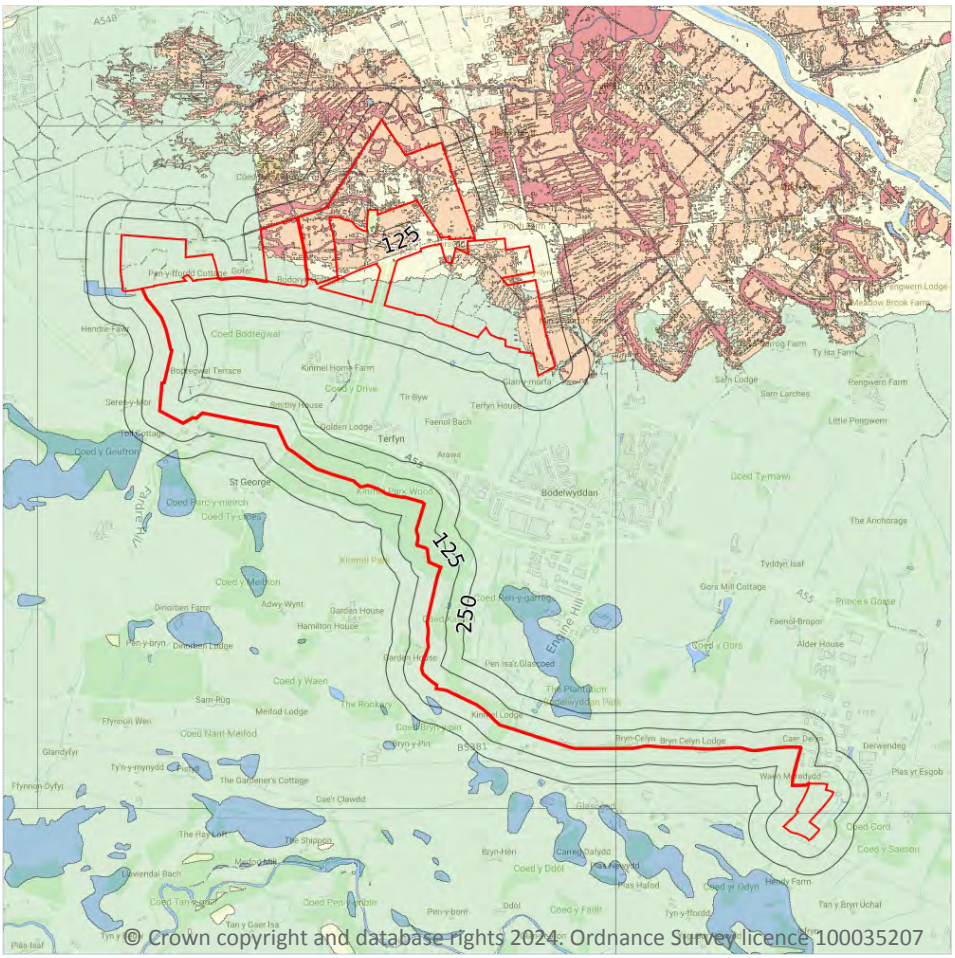
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on

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



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

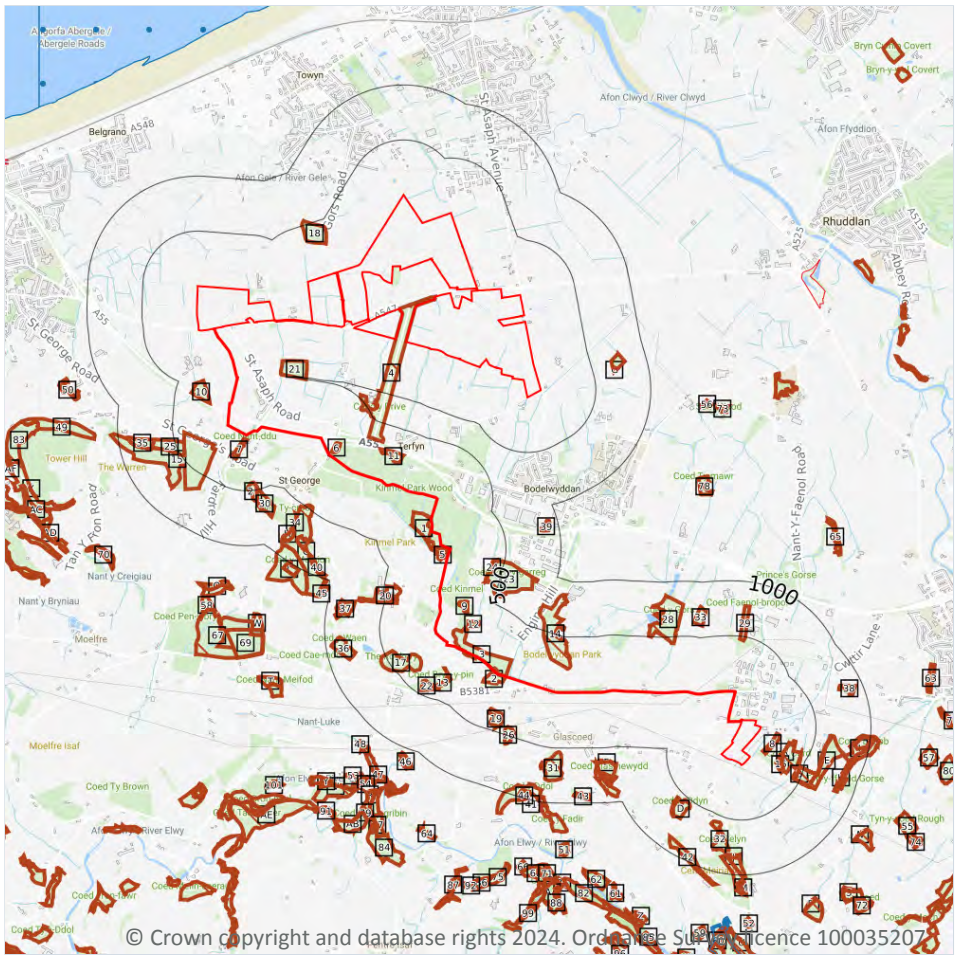
Highest risk on site	**High**
Highest risk within 50m	**High**

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

Features are displayed on the Groundwater flooding map on **page 133 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

- Sites of Special Scientific Interest (SSSI)
- Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- Local Nature Reserves (LNR)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 134 >**

ID	Location	Name	Data source
Q	1399m SE	Coedydd ac Ogofau Elwy a Meirchion	Natural Resources Wales

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 134 >**

ID	Location	Name	Features of interest	Habitat description	Data source
Q	1399m SE	Coedwigoedd Dyffryn Elwy / Elwy Valley Woods	Dry grasslands and scrublands on chalk or limestone; Limestone pavements; Caves not open to the public; Beech forests on neutral to rich soils; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Lesser horseshoe bat.	Coastal sand dunes, Sand beaches, Machair; Broad-leaved deciduous woodland; Coniferous woodland; Dry grassland, Steppes; Inland rocks, Screes, Sands, Permanent Snow and ice; Inland water bodies (Standing water, Running water)	Natural Resources Wales

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	1

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

Features are displayed on the Environmental designations map on **page 134 >**

ID	Location	Name	Data source
-	1888m N	Kinmel Dunes	Natural Resources Wales

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

10.7 Designated Ancient Woodland

Records within 2000m	187

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 134 >**

ID	Location	Name	Woodland Type
1	**On site**	**Unknown**	**Plantation on Ancient Woodland Site**
2	**On site**	**Unknown**	**Plantation on Ancient Woodland Site**
3	**On site**	**Unknown**	**Restored Ancient Woodland Site**
4	**On site**	**Unknown**	**Restored Ancient Woodland Site**
5	3m S	Unknown	Restored Ancient Woodland Site

ID	Location	Name	Woodland Type
6	25m SW	Unknown	Restored Ancient Woodland Site
7	33m SW	Unknown	Plantation on Ancient Woodland Site
8	129m SE	Unknown	Restored Ancient Woodland Site
9	165m S	Unknown	Restored Ancient Woodland Site
10	175m W	Unknown	Restored Ancient Woodland Site
11	190m S	Unknown	Restored Ancient Woodland Site
12	204m S	Unknown	Restored Ancient Woodland Site
13	204m S	Unknown	Ancient Semi Natural Woodland
14	210m SE	Unknown	Ancient Semi Natural Woodland
15	213m SW	Unknown	Restored Ancient Woodland Site
A	246m SE	Unknown	Restored Ancient Woodland Site
16	250m SE	Unknown	Restored Ancient Woodland Site
17	260m S	Unknown	Plantation on Ancient Woodland Site
18	280m NW	Unknown	Restored Ancient Woodland Site
A	293m SE	Unknown	Ancient Semi Natural Woodland
19	313m S	Unknown	Plantation on Ancient Woodland Site
20	348m S	Unknown	Restored Ancient Woodland Site
21	350m W	Unknown	Restored Ancient Woodland Site
22	368m S	Unknown	Plantation on Ancient Woodland Site
23	377m S	Unknown	Ancient Semi Natural Woodland
24	379m S	Unknown	Ancient Semi Natural Woodland
25	421m SW	Unknown	Restored Ancient Woodland Site
26	423m S	Unknown	Plantation on Ancient Woodland Site
27	430m SW	Unknown	Restored Ancient Woodland Site
B	432m SE	Unknown	Restored Ancient Woodland Site
28	439m SE	Unknown	Restored Ancient Woodland Site
B	458m SE	Unknown	Restored Ancient Woodland Site
29	464m SE	Unknown	Ancient Woodland Site of Unknown Category

ID	Location	Name	Woodland Type
C	468m SW	Unknown	Restored Ancient Woodland Site
30	470m SW	Unknown	Restored Ancient Woodland Site
D	532m SE	Unknown	Restored Ancient Woodland Site
31	537m S	Unknown	Ancient Semi Natural Woodland
32	557m SE	Unknown	Ancient Semi Natural Woodland
D	560m SE	Unknown	Restored Ancient Woodland Site
E	603m SE	Unknown	Plantation on Ancient Woodland Site
33	605m SE	Unknown	Restored Ancient Woodland Site
34	607m SW	Unknown	Restored Ancient Woodland Site
E	608m SE	Unknown	Plantation on Ancient Woodland Site
F	612m SE	Unknown	Ancient Semi Natural Woodland
F	630m SE	Unknown	Ancient Semi Natural Woodland
F	649m S	Unknown	Ancient Semi Natural Woodland
35	674m SW	Unknown	Ancient Semi Natural Woodland
G	683m E	Unknown	Ancient Woodland Site of Unknown Category
G	685m E	Unknown	Restored Ancient Woodland Site
F	730m S	Unknown	Ancient Semi Natural Woodland
H	736m SW	Unknown	Plantation on Ancient Woodland Site
H	737m SW	Unknown	Plantation on Ancient Woodland Site
C	739m SW	Unknown	Plantation on Ancient Woodland Site
36	749m S	Unknown	Ancient Semi Natural Woodland
F	751m S	Unknown	Ancient Semi Natural Woodland
37	760m S	Unknown	Plantation on Ancient Woodland Site
F	770m S	Unknown	Ancient Semi Natural Woodland
38	787m SE	Unknown	Ancient Semi Natural Woodland
I	797m SE	Unknown	Plantation on Ancient Woodland Site
J	811m SE	Unknown	Restored Ancient Woodland Site
K	826m SE	Unknown	Ancient Semi Natural Woodland

ID	Location	Name	Woodland Type
K	828m SE	Unknown	Ancient Semi Natural Woodland
J	831m SE	Unknown	Ancient Semi Natural Woodland
39	840m SE	Unknown	Ancient Semi Natural Woodland
J	843m SE	Unknown	Restored Ancient Woodland Site
40	845m SW	Unknown	Restored Ancient Woodland Site
L	854m SW	Unknown	Restored Ancient Woodland Site
K	855m SE	Unknown	Plantation on Ancient Woodland Site
41	859m S	Unknown	Ancient Semi Natural Woodland
I	864m SE	Unknown	Plantation on Ancient Woodland Site
I	869m SE	Unknown	Plantation on Ancient Woodland Site
42	878m SE	Unknown	Ancient Semi Natural Woodland
43	909m S	Unknown	Ancient Semi Natural Woodland
44	932m S	Unknown	Plantation on Ancient Woodland Site
L	996m SW	Unknown	Plantation on Ancient Woodland Site
45	1004m S	Unknown	Restored Ancient Woodland Site
M	1025m SE	Unknown	Restored Ancient Woodland Site
M	1045m SE	Unknown	Restored Ancient Woodland Site
46	1051m S	Unknown	Ancient Semi Natural Woodland
47	1162m S	Unknown	Ancient Semi Natural Woodland
48	1162m S	Unknown	Ancient Semi Natural Woodland
49	1208m W	Unknown	Ancient Semi Natural Woodland
N	1211m SE	Unknown	Plantation on Ancient Woodland Site
N	1217m SE	Unknown	Plantation on Ancient Woodland Site
50	1225m W	Unknown	Restored Ancient Woodland Site
O	1333m SW	Unknown	Restored Ancient Woodland Site
51	1366m S	Unknown	Ancient Semi Natural Woodland
O	1375m SW	Unknown	Plantation on Ancient Woodland Site
P	1380m SE	Unknown	Restored Ancient Woodland Site

ID	Location	Name	Woodland Type
52	1395m SE	Unknown	Ancient Semi Natural Woodland
53	1396m S	Unknown	Ancient Semi Natural Woodland
P	1401m SE	Unknown	Restored Ancient Woodland Site
54	1403m S	Unknown	Ancient Semi Natural Woodland
R	1420m S	Unknown	Plantation on Ancient Woodland Site
R	1424m S	Unknown	Plantation on Ancient Woodland Site
S	1448m SE	Unknown	Restored Ancient Woodland Site
55	1450m SE	Unknown	Restored Ancient Woodland Site
56	1464m E	Unknown	Restored Ancient Woodland Site
S	1464m SE	Unknown	Restored Ancient Woodland Site
T	1466m S	Unknown	Restored Ancient Woodland Site
57	1475m SE	Unknown	Ancient Woodland Site of Unknown Category
T	1488m S	Unknown	Plantation on Ancient Woodland Site
R	1489m S	Unknown	Ancient Semi Natural Woodland
U	1489m SE	Unknown	Restored Ancient Woodland Site
Q	1491m SE	Unknown	Ancient Semi Natural Woodland
58	1500m SW	Unknown	Restored Ancient Woodland Site
59	1507m SE	Unknown	Restored Ancient Woodland Site
60	1513m SE	Unknown	Ancient Semi Natural Woodland
U	1516m SE	Unknown	Restored Ancient Woodland Site
61	1530m S	Unknown	Ancient Semi Natural Woodland
62	1545m S	Unknown	Ancient Semi Natural Woodland
V	1548m S	Unknown	Plantation on Ancient Woodland Site
63	1548m SE	Unknown	Plantation on Ancient Woodland Site
W	1548m SW	Unknown	Restored Ancient Woodland Site
64	1553m S	Unknown	Ancient Semi Natural Woodland
65	1555m SE	Unknown	Ancient Semi Natural Woodland
V	1555m S	Unknown	Plantation on Ancient Woodland Site

ID	Location	Name	Woodland Type
X	1556m SW	Unknown	Ancient Semi Natural Woodland
66	1557m S	Unknown	Restored Ancient Woodland Site
67	1559m SW	Unknown	Plantation on Ancient Woodland Site
68	1563m S	Unknown	Plantation on Ancient Woodland Site
69	1565m SW	Unknown	Plantation on Ancient Woodland Site
W	1565m SW	Unknown	Restored Ancient Woodland Site
70	1573m SW	Unknown	Ancient Semi Natural Woodland
71	1574m S	Unknown	Restored Ancient Woodland Site
72	1599m SE	Unknown	Restored Ancient Woodland Site
73	1600m E	Unknown	Restored Ancient Woodland Site
74	1603m SE	Unknown	Ancient Semi Natural Woodland
Y	1610m S	Unknown	Restored Ancient Woodland Site
75	1613m S	Unknown	Plantation on Ancient Woodland Site
Z	1621m S	Unknown	Ancient Semi Natural Woodland
76	1626m SE	Unknown	Ancient Semi Natural Woodland
77	1636m S	Unknown	Plantation on Ancient Woodland Site
Q	1638m SE	Unknown	Ancient Semi Natural Woodland
78	1646m SE	Unknown	Restored Ancient Woodland Site
Y	1648m S	Unknown	Restored Ancient Woodland Site
79	1659m S	Unknown	Plantation on Ancient Woodland Site
Z	1667m S	Unknown	Ancient Semi Natural Woodland
80	1667m SE	Unknown	Ancient Woodland Site of Unknown Category
81	1679m S	Unknown	Plantation on Ancient Woodland Site
82	1686m S	Unknown	Plantation on Ancient Woodland Site
AA	1688m S	Unknown	Plantation on Ancient Woodland Site
83	1689m W	Unknown	Plantation on Ancient Woodland Site
AA	1689m S	Unknown	Ancient Semi Natural Woodland
Z	1695m S	Unknown	Ancient Semi Natural Woodland

ID	Location	Name	Woodland Type
AB	1697m S	Unknown	Restored Ancient Woodland Site
84	1709m S	Unknown	Plantation on Ancient Woodland Site
Z	1711m S	Unknown	Ancient Semi Natural Woodland
AB	1726m S	Unknown	Restored Ancient Woodland Site
AA	1737m S	Unknown	Restored Ancient Woodland Site
85	1747m S	Unknown	Ancient Semi Natural Woodland
86	1755m S	Unknown	Plantation on Ancient Woodland Site
-	1756m SE	Unknown	Plantation on Ancient Woodland Site
87	1760m S	Unknown	Ancient Semi Natural Woodland
88	1763m S	Unknown	Restored Ancient Woodland Site
AA	1776m S	Unknown	Restored Ancient Woodland Site
-	1778m SE	Unknown	Plantation on Ancient Woodland Site
89	1781m SE	Unknown	Ancient Semi Natural Woodland
AC	1795m SW	Unknown	Plantation on Ancient Woodland Site
AD	1813m SW	Unknown	Ancient Semi Natural Woodland
-	1824m SE	Unknown	Plantation on Ancient Woodland Site
91	1824m S	Unknown	Ancient Semi Natural Woodland
92	1831m S	Unknown	Plantation on Ancient Woodland Site
-	1833m W	Unknown	Ancient Semi Natural Woodland
-	1855m SE	Unknown	Ancient Semi Natural Woodland
-	1857m SE	Unknown	Restored Ancient Woodland Site
X	1858m SW	Unknown	Plantation on Ancient Woodland Site
-	1865m SE	Unknown	Plantation on Ancient Woodland Site
AD	1869m SW	Unknown	Ancient Semi Natural Woodland
96	1877m S	Unknown	Ancient Semi Natural Woodland
AE	1883m S	Unknown	Plantation on Ancient Woodland Site
-	1890m W	Unknown	Ancient Semi Natural Woodland
AB	1910m S	Unknown	Restored Ancient Woodland Site

ID	Location	Name	Woodland Type
99	1922m S	Unknown	Ancient Semi Natural Woodland
-	1927m SE	Unknown	Plantation on Ancient Woodland Site
-	1929m SE	Unknown	Plantation on Ancient Woodland Site
AD	1930m SW	Unknown	Ancient Semi Natural Woodland
101	1944m S	Unknown	Ancient Semi Natural Woodland
AC	1949m SW	Unknown	Ancient Semi Natural Woodland
-	1955m S	Unknown	Ancient Semi Natural Woodland
AC	1977m SW	Unknown	Ancient Semi Natural Woodland
AC	1977m SW	Unknown	Ancient Semi Natural Woodland
-	1980m SE	Unknown	Plantation on Ancient Woodland Site
AF	1990m W	Unknown	Ancient Semi Natural Woodland
-	1992m S	Unknown	Ancient Semi Natural Woodland
-	1997m S	Unknown	Ancient Semi Natural Woodland
AF	1997m W	Unknown	Plantation on Ancient Woodland Site

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	0

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

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	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	0

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.

This data is sourced from Natural England.

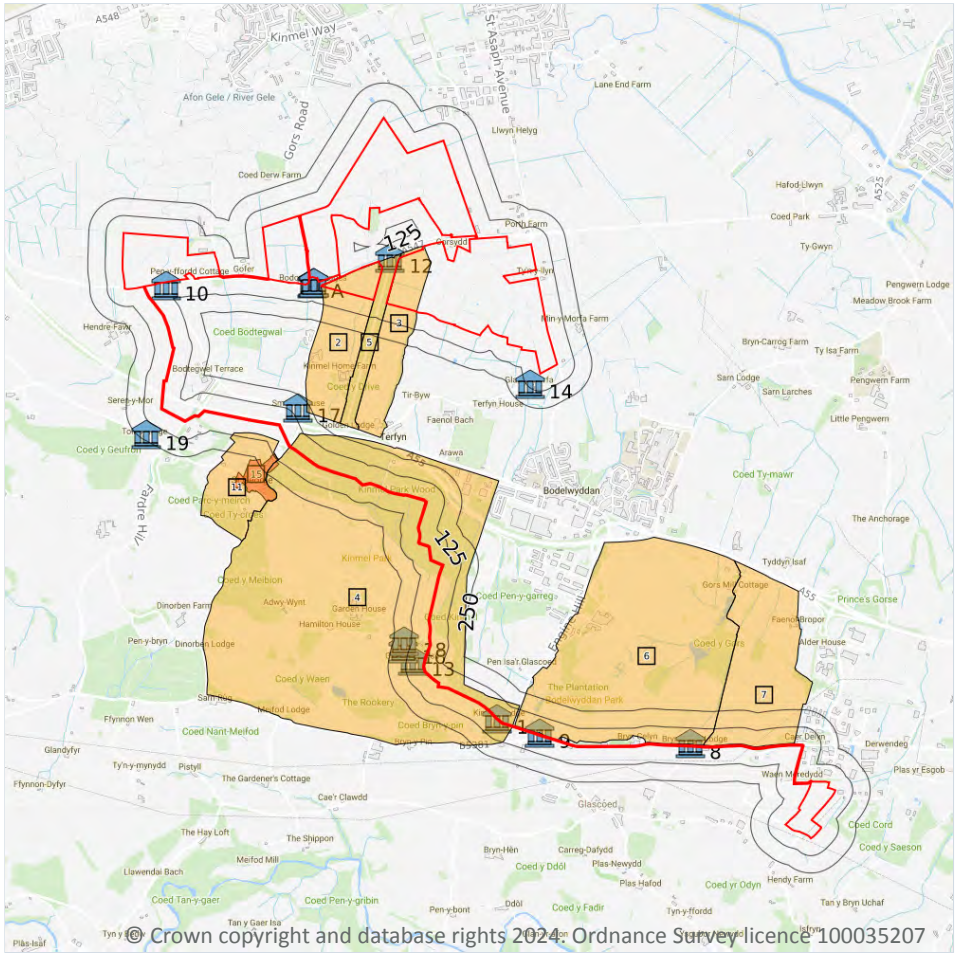
10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations



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- Site Outline

Search buffers in metres (m)

- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	15

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 147 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	**On site**	**Kinmel East Gatepiers And Railings, 100m W Of The Sw Corner Of Bodelwyddan Park, Beside A Small Gate Lodge (Not Listed).**	**II**	**80751**	**06/12/2002**
8	12m SE	Bryn Celyn Lodge On Bodelwyddan Park Boundary, On Bodelwyddan Park S Boundary.	II	80738	06/12/2002

ID	Location	Name	Grade	Reference Number	Listed date
9	12m S	Glascoed Lodge On Bodelwyddan Park Boundary, About 1km S Of Bodelwyddan Castle, On N Side Of B5381, Set Into S Wall Of Bodelwyddan Park, About 300m E Of The Corner Of The Park Walls.	II	20897	23/11/1998
10	22m W	Toll Bar Cottage, Located At 1.6m From Abergele On The Main Turnpike Road To Rhuddlan.	II	18695	05/08/1997
A	22m W	Bodoryn Cottages, The Cottages Are Set On The Ne Corner Of The Road Junction Between The A547, Rhuddlan Road And Gors Road Running S From Abergele.	II	18472	04/10/1973
A	28m W	Bodoryn Cottages, The Cottages Are Set On The Ne Corner Of The A547 Rhuddlan Road, And Gors Road Running S From Abergele.	II	18473	04/10/1973
A	31m W	No 4, Bodoryn Cottages, The Cottages Are Set On The Ne Angle Of The Junction Between The A547, Rhuddlan Road And Gors Road, Running S From Towyn	II	18475	04/10/1973
A	33m W	No 3, Bodoryn Cottages, The Cottages Are Set On The Ne Angle Of The Junction Between The A547, Rhuddlan Road And Gors Road, Leading S From Abergele.	II	18474	04/10/1973
12	60m NW	Morfa Lodge, This Outer Lodge To Kinmel Park Is Set At The Angle Of The Rhuddlan Road And The Wooded Avenue, Coed-Y-Drive, Running N From The Golden Lodge.	II*	240	04/10/1973
13	84m S	Garden House, The House Is Set By The Present Entrance Driveway From Glascoed, At The S Point Of Old Kinmel Gardens.	II	18717	05/08/1997
14	104m SE	Glan-Y-Morfa, To S Side Of An Unclassified Road, 1km N Of Bodelwyddan School. The E Side Is The Approach Side Of The House, With A Low Walled Enclosure Entered By A Gateway From The Farmyard. Paddock At W.	II	80749	06/12/2002
16	169m S	Ruins Of Old Kinmel, In The Grounds Of Kinmel Park, The Ruins Stand Forlornly In The Former Garden Enclosure Attached To The Sw Side Of The Kitchen Gardens Of Kinmel.	II	230	06/10/1970
17	178m SW	Talrych Smithy And Forge, The Building Stands In The Nw Angle Of St Asaph Road And Gors Road, And Close To The Intersection With The A55.	II	244	04/10/1973
18	181m S	Kitchen Garden Walls Se Of Kinmel, The Kitchen Garden Stands Aproximately 300m Se Of The Service End Of Kinmel, And Beyond The Driveway To Garden House.	II	18682	05/08/1997
19	212m SW	The Turnpike, The House Is Set Close To The Road, Approximately 850m From The Centre Of St George Village, And 150m Nw Of The Nant Ddu Road Junction.	II	18694	05/08/1997

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 147 >**

ID	Location	Name	District	Date of designation
15	114m SW	ST. GEORGE	CONWY	1975-10-23

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

11.7 Registered Parks and Gardens

Records within 250m	7

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.

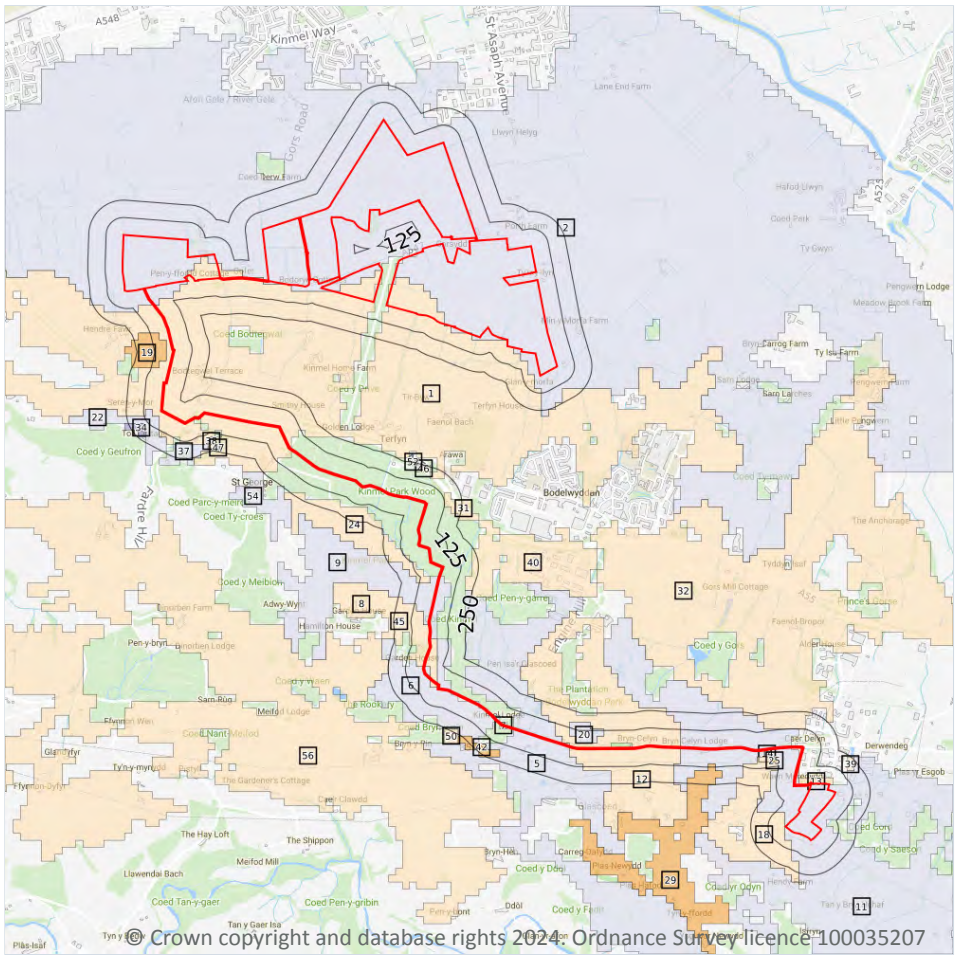
Features are displayed on the Visual and cultural designations map on **page 147 >**

ID	Location	Name	Grade
2	**On site**	**Kinmel Park**	
3	**On site**	**Kinmel Park**	

ID	Location	Name	Grade
4	**On site**	**Kinmel Park**	**II***
5	**On site**	**Kinmel Park**	**II***
6	1m S	Bodelwyddan Castle	II
7	3m SE	Bodelwyddan Castle	
11	48m SW	Kinmel Park	

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Timber felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	33

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 152 >**

ID	Location	Classification	Description
1	On site	Grade 3a	Good to moderate quality agricultural land
2	On site	Grade 3b	Moderate quality agricultural land
5	On site	Grade 3b	Moderate quality agricultural land

ID	Location	Classification	Description
6	**On site**	**Grade 3b**	**Moderate quality agricultural land**
7	**On site**	**Grade 3b**	**Moderate quality agricultural land**
8	**On site**	**Grade 3a**	**Good to moderate quality agricultural land**
9	**On site**	**Grade 3b**	**Moderate quality agricultural land**
11	**On site**	**Grade 3b**	**Moderate quality agricultural land**
12	**On site**	**Grade 3a**	**Good to moderate quality agricultural land**
13	**On site**	**Grade 3a**	**Good to moderate quality agricultural land**
14	**On site**	**Grade 2**	**Good quality agricultural land**
18	6m SE	Grade 3a	Good to moderate quality agricultural land
19	25m W	Grade 2	Good quality agricultural land
20	33m S	Grade 3b	Moderate quality agricultural land
22	38m SW	Grade 3b	Moderate quality agricultural land
24	48m S	Grade 3a	Good to moderate quality agricultural land
25	53m SE	Grade 2	Good quality agricultural land
29	102m SE	Grade 2	Good quality agricultural land
31	123m S	Grade 3a	Good to moderate quality agricultural land
32	124m SE	Grade 3a	Good to moderate quality agricultural land
34	142m SW	Grade 4	Poor quality agricultural land
37	145m SW	Grade 3b	Moderate quality agricultural land
38	147m SW	Grade 3b	Moderate quality agricultural land
39	161m SE	Grade 3a	Good to moderate quality agricultural land
40	168m S	Grade 3a	Good to moderate quality agricultural land
42	168m S	Grade 2	Good quality agricultural land
45	186m S	Grade 3b	Moderate quality agricultural land
46	188m S	Grade 3a	Good to moderate quality agricultural land
47	191m SW	Grade 3b	Moderate quality agricultural land
50	216m S	Grade 3a	Good to moderate quality agricultural land
52	226m S	Grade 3a	Good to moderate quality agricultural land

ID	Location	Classification	Description
54	237m SW	Grade 3b	Moderate quality agricultural land
56	246m S	Grade 3a	Good to 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

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.

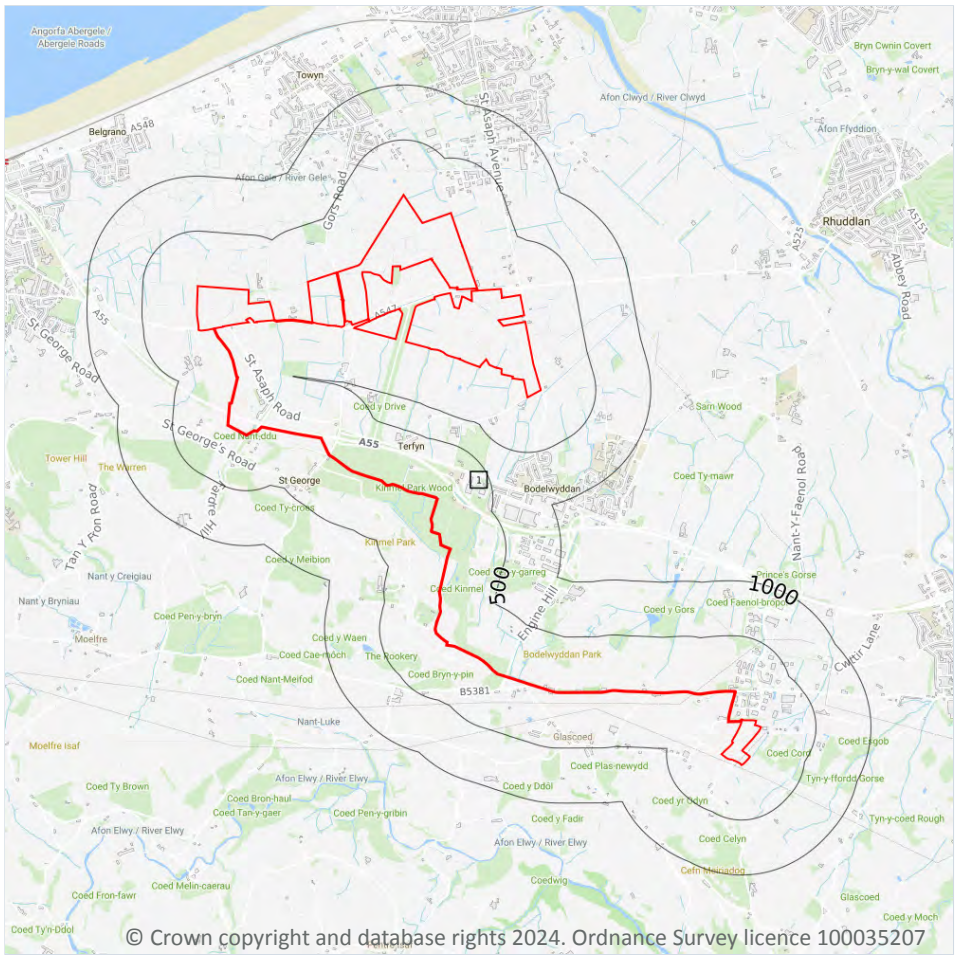
13.4 Limestone Pavement Orders

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



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 156 >**

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.

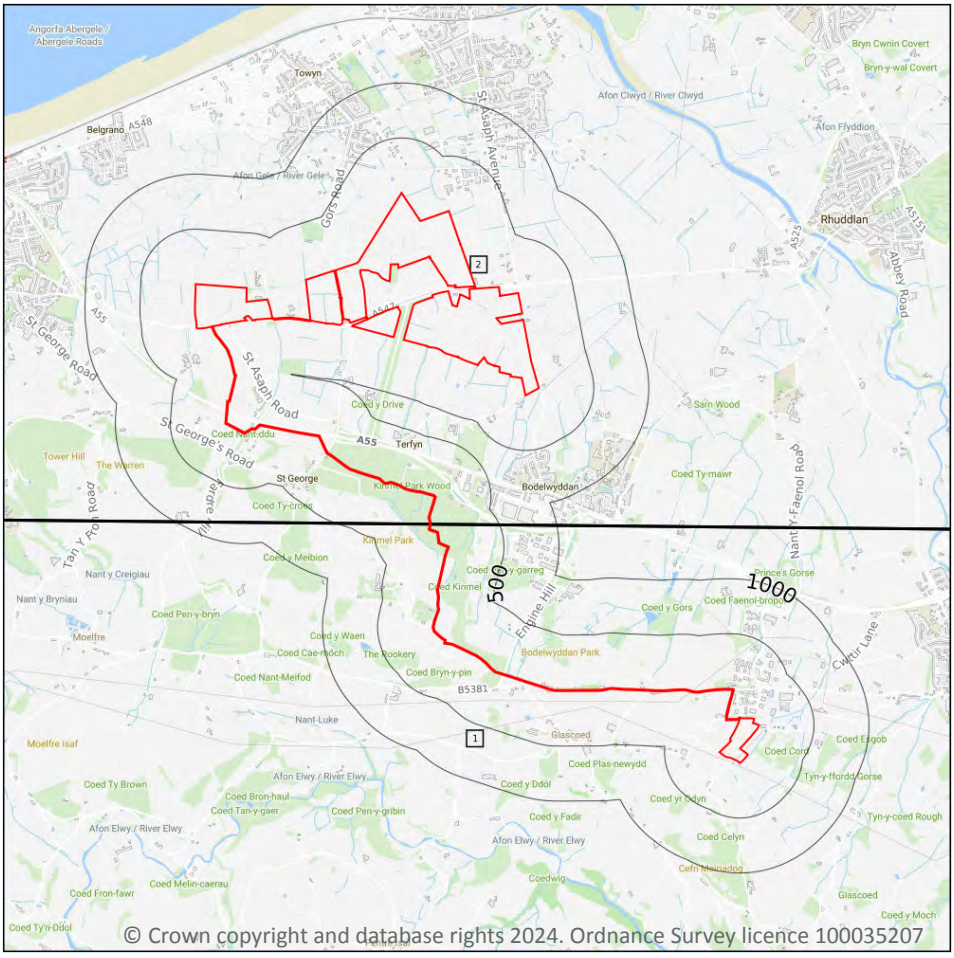
14.6 Bedrock faults and other linear features (10k)

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



15.1 50k Availability

Records within 500m	2

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme. 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 160 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	EW107_denbigh_v4
2	On site	No coverage	Full	Full	Full	EW095_rhyl_v4

This data is sourced from the British Geological Survey.

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

15.2 Artificial and made ground (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

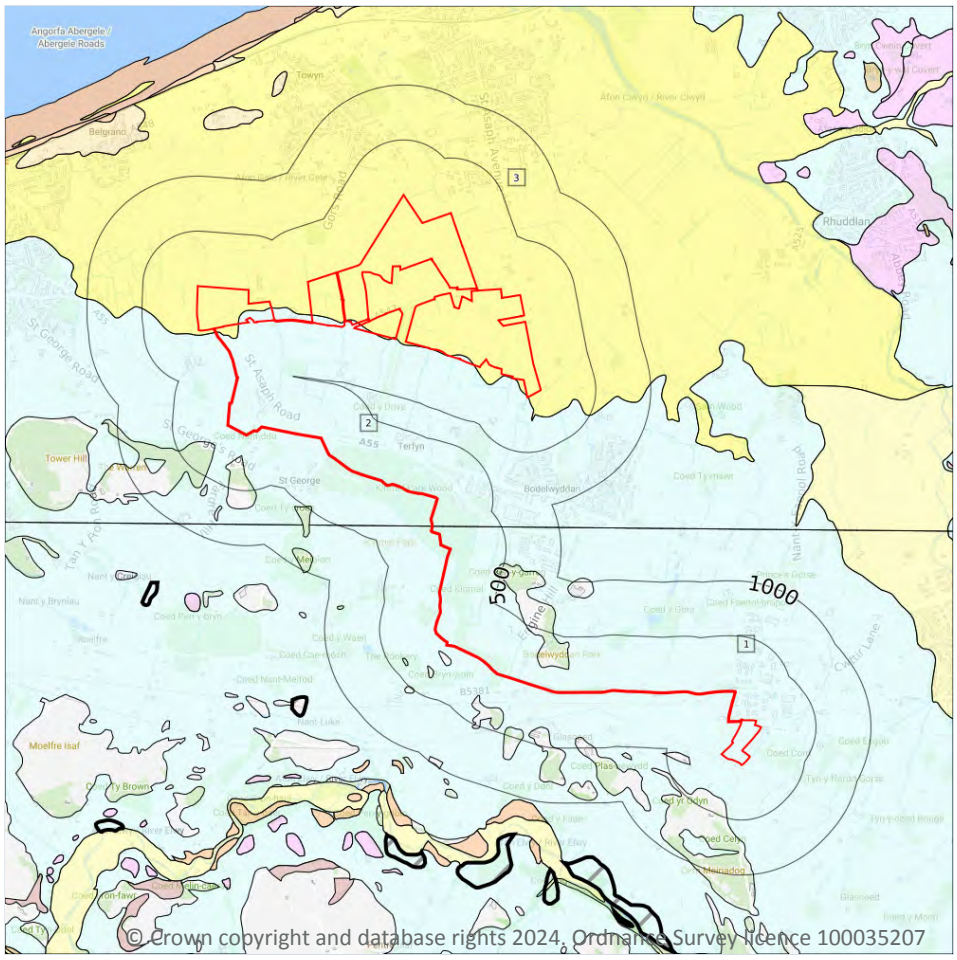
15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m **3**

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 162 >**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
2	On site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	On site	TFD-XCZS	TIDAL FLAT DEPOSITS	CLAY, SILT AND SAND

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	3

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

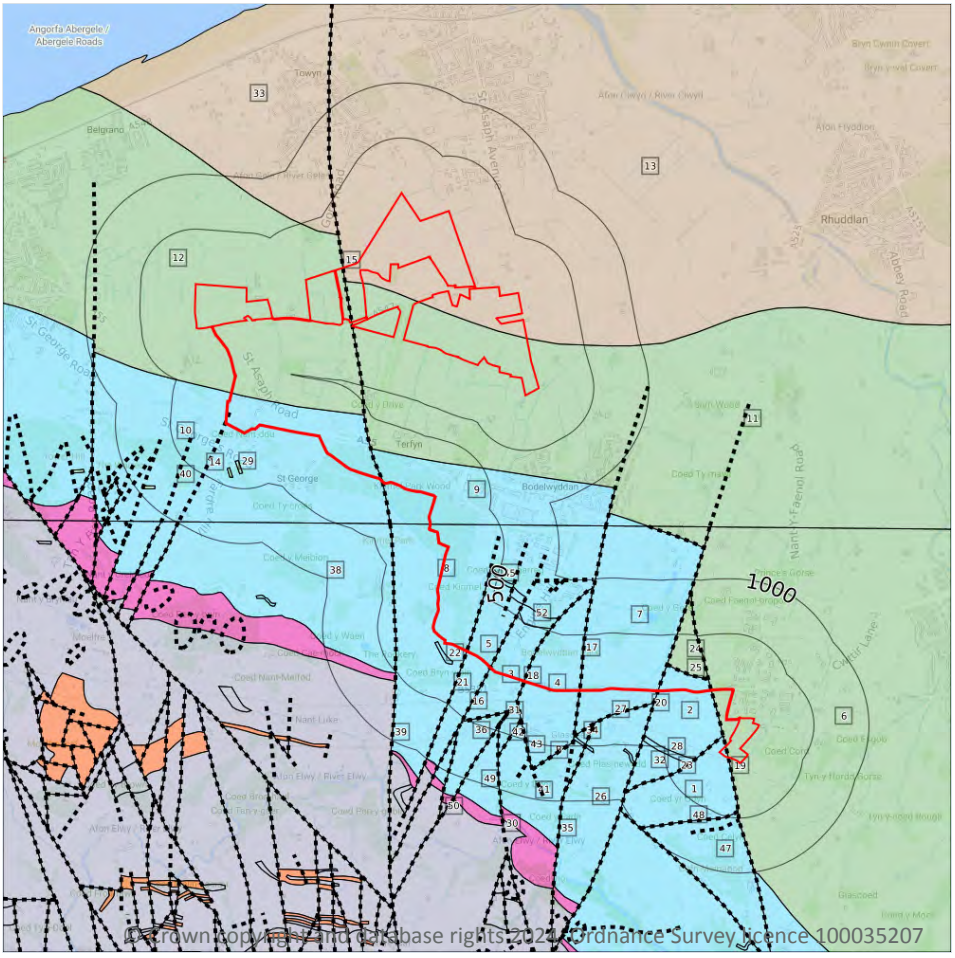
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m	31

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 164 >**

ID	Location	LEX Code	Description	Rock age
1	On site	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
2	On site	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN

ID	Location	LEX Code	Description	Rock age
3	**On site**	**CLWYD-LMST**	**CLWYD LIMESTONE GROUP - LIMESTONE**	**VISEAN**
4	**On site**	**CLWYD-LMST**	**CLWYD LIMESTONE GROUP - LIMESTONE**	**VISEAN**
5	**On site**	**CLWYD-LMST**	**CLWYD LIMESTONE GROUP - LIMESTONE**	**VISEAN**
6	**On site**	**WAWK-MDSS**	**WARWICKSHIRE GROUP - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
7	**On site**	**CLWYD-LMST**	**CLWYD LIMESTONE GROUP - LIMESTONE**	**VISEAN**
8	**On site**	**CLWYD-LMST**	**CLWYD LIMESTONE GROUP - LIMESTONE**	**VISEAN**
9	**On site**	**CLWYD-LMST**	**CLWYD LIMESTONE GROUP - LIMESTONE**	**VISEAN**
10	**On site**	**CLWYD-LMST**	**CLWYD LIMESTONE GROUP - LIMESTONE**	**VISEAN**
11	**On site**	**WAWK-MDSS**	**WARWICKSHIRE GROUP - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
12	**On site**	**WAWK-MDSS**	**WARWICKSHIRE GROUP - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
13	**On site**	**KNSF-SDST**	**KINNERTON SANDSTONE FORMATION - SANDSTONE**	**-**
22	44m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
24	98m SE	WAWK-MDSS	WARWICKSHIRE GROUP - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
26	105m SE	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
28	228m SE	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
29	251m SW	LLLL-LMMST	LLANARMON FORMATION, LEETE FORMATION AND LOGGERHEADS LIMESTONE FORMATION (UNDIFFERENTIATED) - LIME-MUDSTONE	VISEAN
32	282m SE	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
33	286m NW	KNSF-SDST	KINNERTON SANDSTONE FORMATION - SANDSTONE	-
34	289m SE	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN

ID	Location	LEX Code	Description	Rock age
36	303m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
37	337m SW	LLLL-LMMST	LLANARMON FORMATION, LEETE FORMATION AND LOGGERHEADS LIMESTONE FORMATION (UNDIFFERENTIATED) - LIME-MUDSTONE	VISEAN
38	339m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
41	342m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
44	406m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
45	422m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
47	436m SE	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
49	443m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
51	485m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN
52	492m S	CLWYD-LMST	CLWYD LIMESTONE GROUP - LIMESTONE	VISEAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **5**

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**
On site	**Fracture**	**Moderate**	**Low**
On site	**Fracture**	**Very High**	**High**
On site	**Fracture**	**Very High**	**High**
On site	**Intergranular**	**High**	**High**

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	25

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.

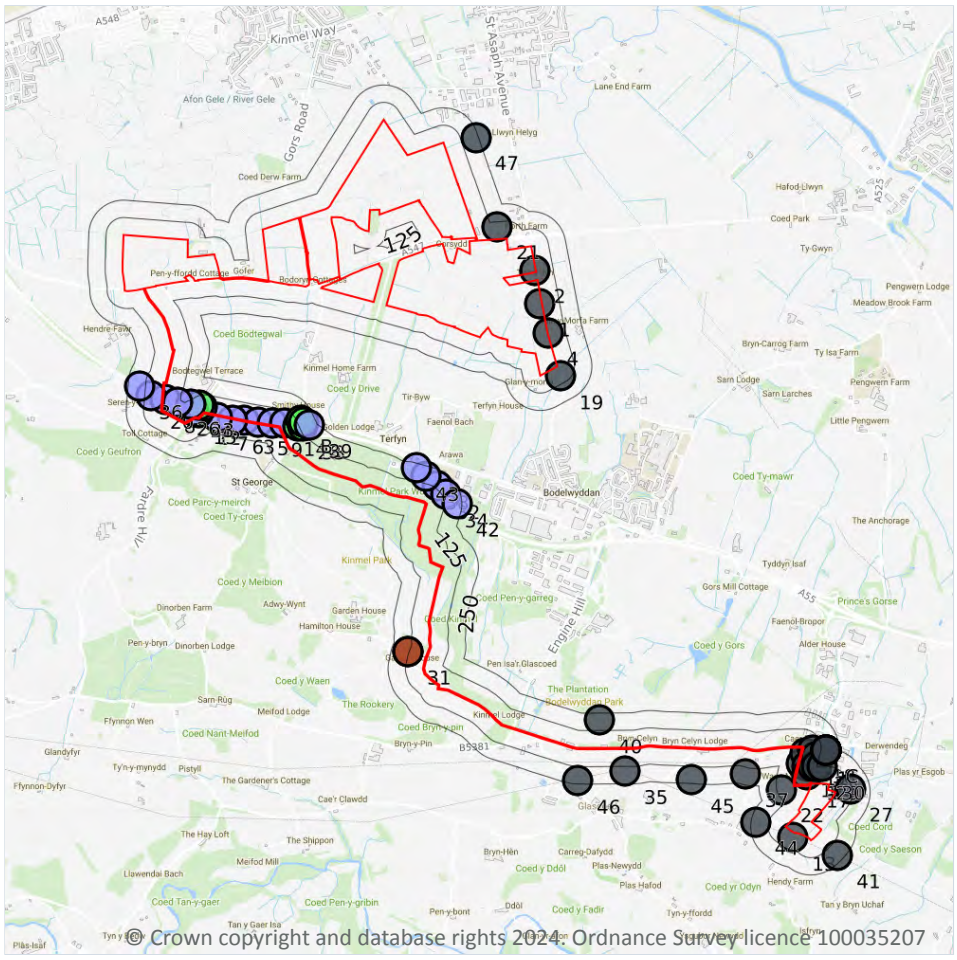
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 164 >**

ID	Location	Category	Description
14	**On site**	**FAULT**	**Fault, inferred**
15	**On site**	**FAULT**	**Fault, inferred, displacement unknown**
16	**On site**	**FAULT**	**Fault, inferred, displacement unknown**
17	**On site**	**FAULT**	**Fault, inferred, displacement unknown**
18	**On site**	**FAULT**	**Fault, inferred, displacement unknown**
19	**On site**	**FAULT**	**Fault, inferred, displacement unknown**
20	**On site**	**FAULT**	**Fault, inferred, displacement unknown**
21	**On site**	**FAULT**	**Fault, inferred, displacement unknown**
23	71m SE	FAULT	Fault, inferred, displacement unknown
25	98m SE	FAULT	Fault, inferred, displacement unknown
27	105m SE	FAULT	Fault, inferred, displacement unknown
30	260m S	FAULT	Fault, inferred, displacement unknown
31	260m S	MINERAL_VEIN	Mineral vein, observed
35	289m SE	FAULT	Fault, inferred, displacement unknown
A	303m S	FAULT	Fault, inferred, displacement unknown
A	303m S	MINERAL_VEIN	Mineral vein, observed
39	339m S	FAULT	Fault, inferred, displacement unknown
40	340m SW	FAULT	Fault, inferred
42	342m S	FAULT	Fault, inferred, displacement unknown
43	342m S	MINERAL_VEIN	Mineral vein, observed
46	427m S	FAULT	Fault, inferred, displacement unknown

ID	Location	Category	Description
48	436m SE	FAULT	Fault, inferred, displacement unknown
50	443m S	FAULT	Fault, inferred, displacement unknown
B	464m S	FAULT	Fault, inferred, displacement unknown
B	464m S	MINERAL_VEIN	Mineral vein, observed

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m	92

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 169 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	299436 377110	GLASCOED-KINMEL BAY MAIN D	-	Y	N/A
2	On site	299401 377351	GLASCOED-KINMEL BAY MAIN TP 8	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	**On site**	**297310 376270**	**A55 DIVERSION 38**	**2.7**	**N**	**140296**
4	1m E	299495 376901	GLASCOED-KINMEL BAY MAIN TP 7	-	Y	N/A
5	5m SW	297410 376260	A55 DIVERSION 39	2.4	N	140297
6	8m SW	297230 376270	A55 DIVERSION 37	3.0	N	140295
7	11m SW	297120 376290	A55 DIVERSION 36	2.8	N	140294
8	12m SW	296740 376420	A55 DIVERSION 29	3.8	N	140287
9	12m SW	297510 376250	A55 DIVERSION 40	2.5	N	140298
10	15m SE	301320 373800	ST ASAPH BUSINESS PARK TP 1	-	Y	N/A
11	23m SE	301350 373880	ST ASAPH BUSINESS PARK TP 2	-	Y	N/A
12	28m SW	296980 376330	A55 DIVERSION 34	12.0	N	140292
13	36m SE	301260 373270	CONNAH'S QUARRY-BANGOR. TOWER NO.167	-	Y	N/A
14	39m SW	297600 376250	A55 DIVERSION 41	2.4	N	140299
A	42m SW	297010 376370	A55 DIVERSION 35	6.05	N	140293
15	45m SW	296950 376340	A55 DIVERSION 32	5.4	N	140290
16	59m SE	301360 373780	ST ASAPH BUSINESS PARK TP 8	-	Y	N/A
A	60m SW	296990 376380	A55 DIVERSION 33	13.0	N	140291
17	61m SE	301360 373720	ST ASAPH BUSINESS PARK TP 9	-	Y	N/A
18	65m SE	301400 373900	ST ASAPH BUSINESS PARK TP 3	-	Y	N/A
19	72m SE	299586 376590	GLASCOED-KINMEL BAY MAIN C	-	Y	N/A
20	80m SW	296640 376450	A55 DIVERSION 28	3.4	N	140286
21	91m NE	299131 377666	GLASCOED-KINMEL BAY MAIN TP 9	-	Y	N/A
22	92m SE	301175 373615	GLASCOED-LLANERCH MAIN TP 103	-	Y	N/A
23	98m SW	296930 376390	A55 DIVERSION 31	3.2	N	140289
24	98m SE	301400 373780	ST ASAPH BUSINESS PARK TP 7	-	Y	N/A
25	98m SE	301420 373850	ST ASAPH BUSINESS PARK TP 4	-	Y	N/A
26	101m SW	296830 376400	A55 DIVERSION 30	4.2	N	140288
27	109m SE	301671 373619	GLASCOED-LLANERCH MAIN TP 104	-	Y	N/A
28	121m SW	297700 376230	A55 DIVERSION 42	12.0	N	140300

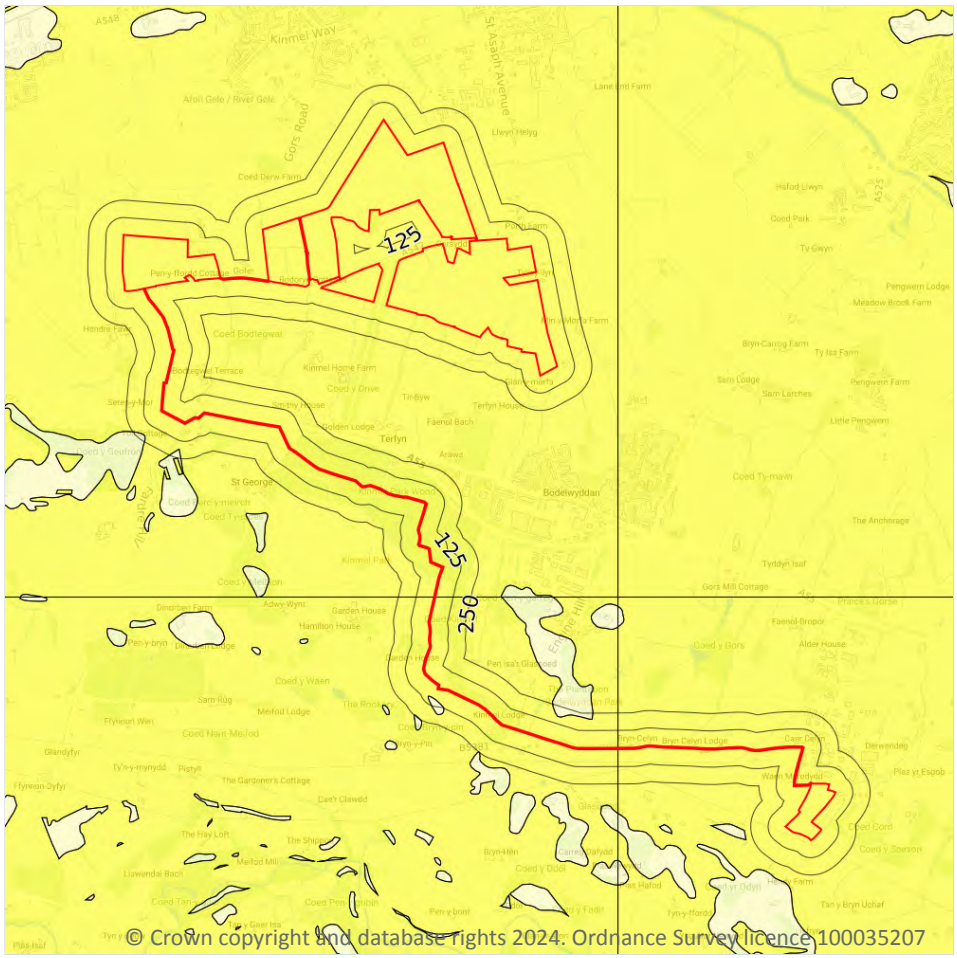
ID	Location	Grid reference	Name	Length	Confidential	Web link
29	121m SE	301430 373780	ST ASAPH BUSINESS PARK TP 6	-	Y	N/A
30	123m SE	301470 373780	ST ASAPH BUSINESS PARK TP 5	-	Y	N/A
31	133m S	298490 374610	KINMEL PARK	-1.0	N	626575 ↗
32	144m S	298700 375800	A55 CHESTER-BANGOR TRUNK ROAD BODELWYDDAN BYPASS 7	4.4	N	140334 ↗
33	148m SW	297730 376230	A55 DIVERSION 44	12.0	N	140302 ↗
34	150m S	298760 375740	A55 CHESTER-BANGOR TRUNK ROAD BODELWYDDAN BYPASS 8	3.0	N	140335 ↗
B	156m SW	297720 376270	A55 DIVERSION 43	17.9	N	140301 ↗
35	156m SE	300050 373750	CONNAH'S QUARRY-BANGOR. TOWER NO.163	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 11	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 12	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 18	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 20	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 22	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 23	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 25	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 25A	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 26	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 28	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 30	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 34	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 5	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TT 5	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TT 8	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 19	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 2	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 4	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TT 9	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 13	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 27	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 14	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 15	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 16	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 17	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 21	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 24	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 26A	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 29	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 3	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 3	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 4	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 6	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TT 4	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 32	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 33	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 1	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 1	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TT 7	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK 31	-	Y	N/A
C	164m SE	301500 373900	ST ASAPH BUSINESS PARK TP 2	-	Y	N/A
36	166m W	296560 376520	A55 DIVERSION 27	4.0	N	140285 ↗
B	170m SW	297740 376260	A55 DIVERSION 45	12.0	N	140303 ↗
37	170m SE	300920 373729	GLASCOED-LLANERCH MAIN 101	-	Y	N/A
38	178m S	298620 375870	A55 CHESTER-BANGOR TRUNK ROAD BODELWYDDAN BYPASS 6	5.6	N	140333 ↗
39	197m SW	297780 376240	A55 DIVERSION 46	2.2	N	140304 ↗
40	200m SE	299866 374115	GLASCOED-KINMEL BAY MAIN TP 1	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
41	209m SE	301580 373140	CONNAH'S QUARRY-BANGOR. TOWER NO.168	-	Y	N/A
42	213m S	298840 375670	A55 CHESTER-BANGOR TRUNK ROAD BODELWYDDAN BYPASS 9	4.6	N	140336 ↗
43	217m S	298550 375930	A55 CHESTER-BANGOR TRUNK ROAD BODELWYDDAN BYPASS 5	6.0	N	140332 ↗
44	218m SE	300990 373380	CONNAH'S QUARRY-BANGOR. TOWER NO.166	-	Y	N/A
45	223m SE	300529 373686	GLASCOED-LLANERCH MAIN TP 102	-	Y	N/A
46	225m S	299710 373680	CONNAH'S QUAY-BANGOR 400KV LINE. TOWER NO.162	-	Y	N/A
47	232m NE	298977 378308	GLASCOED-KINMEL BAY MAIN TP 10	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	1

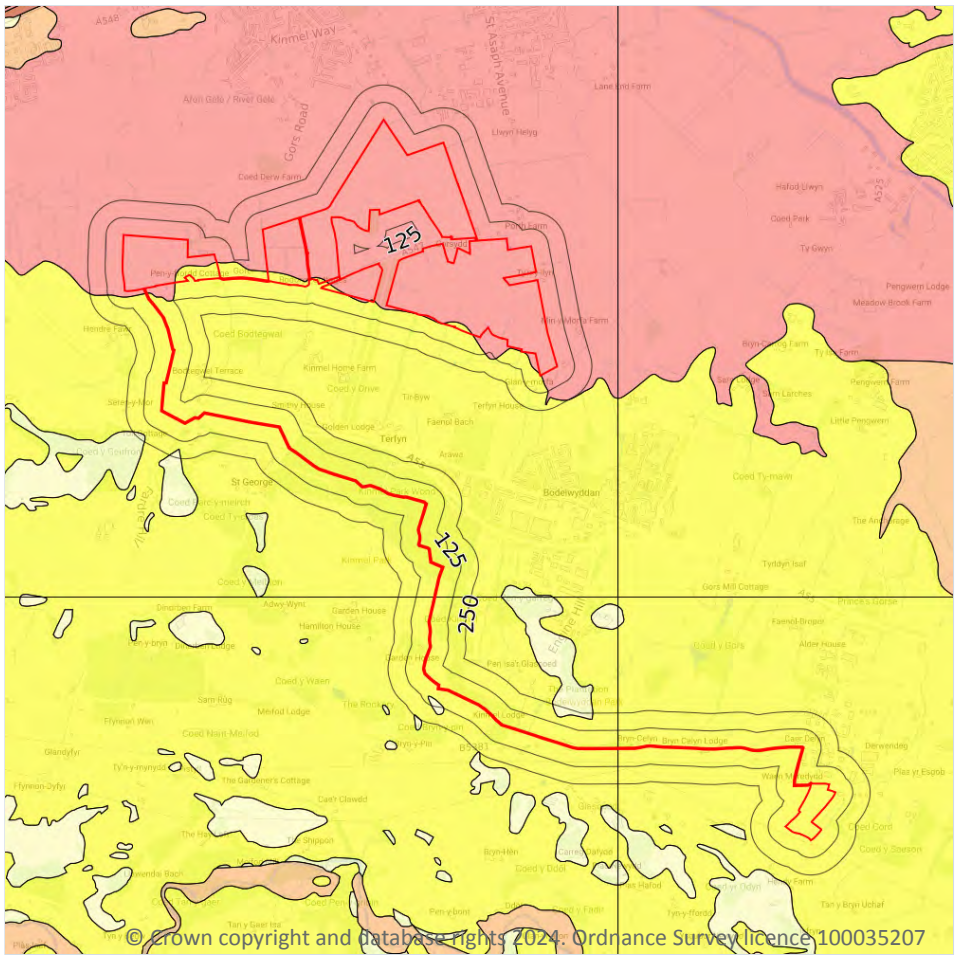
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 174 >**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	2

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

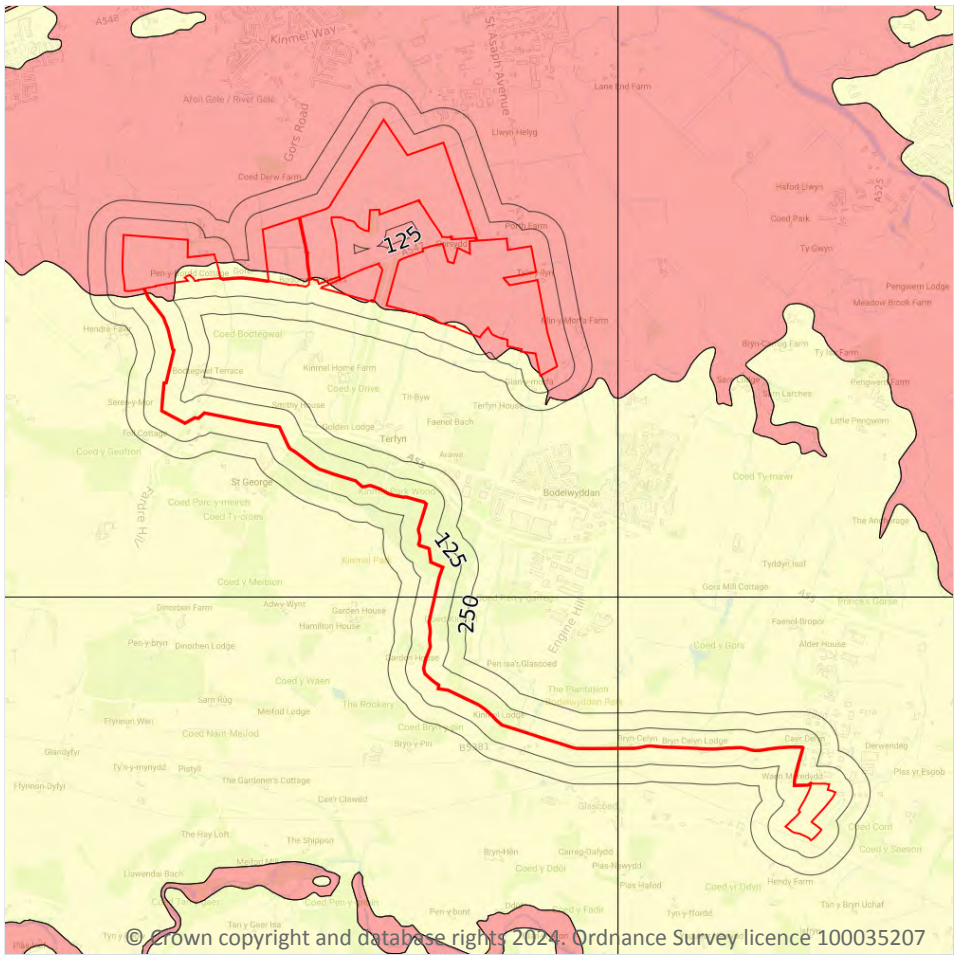
Features are displayed on the Natural ground subsidence - Running sands map on **page 175 >**

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.**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

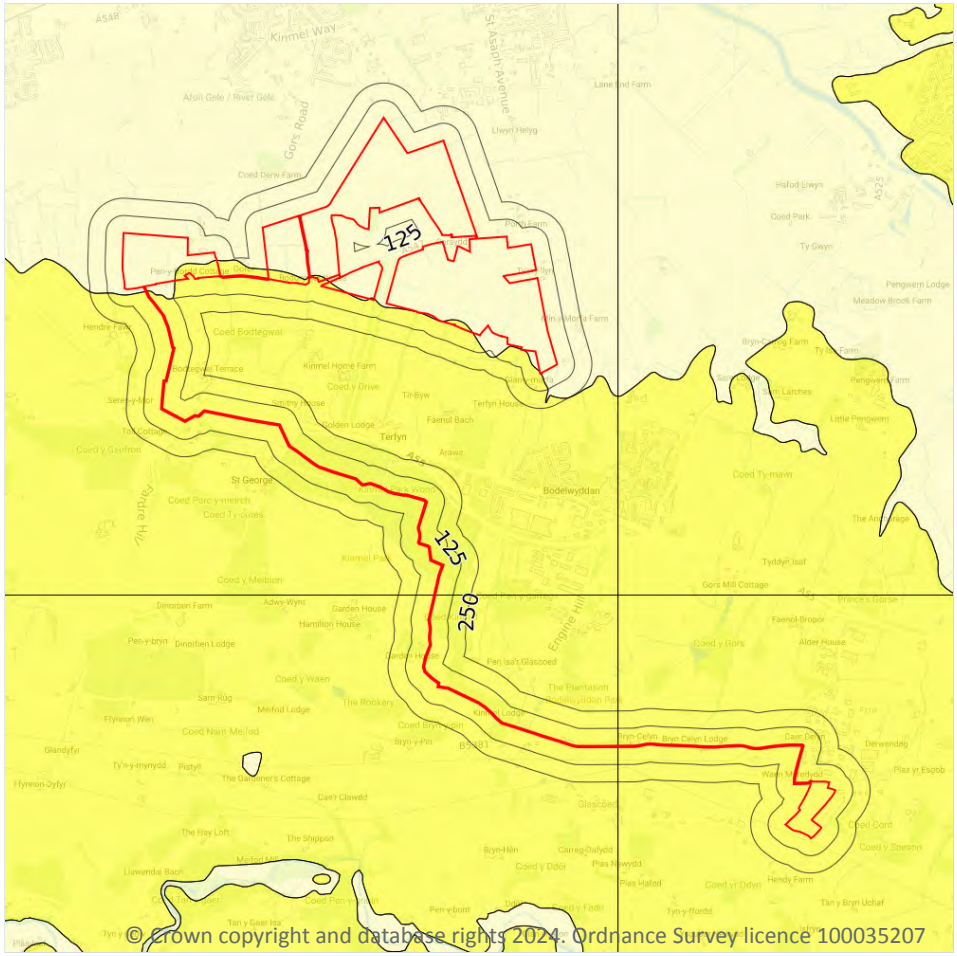
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 177 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	2

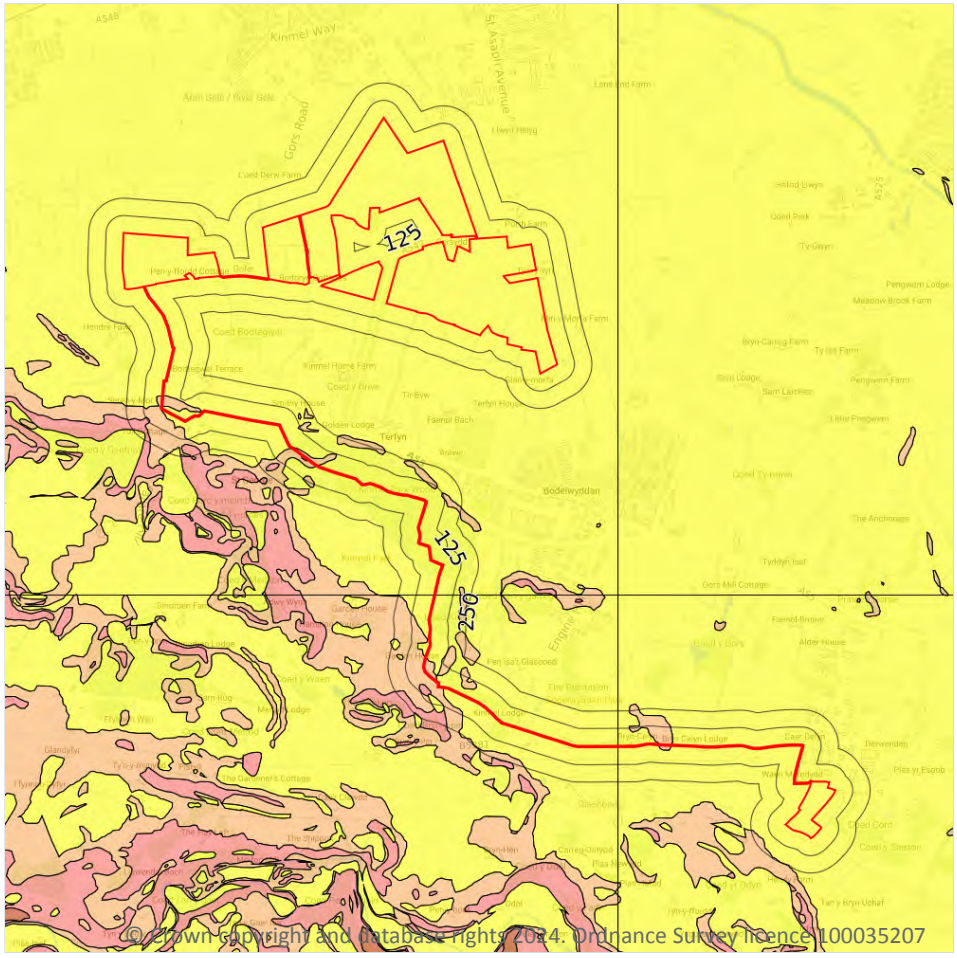
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 179 >**

Location	Hazard rating	Details
On site	**Negligible**	**Deposits with potential to collapse when loaded and saturated are believed not to be present.**
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	5

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.

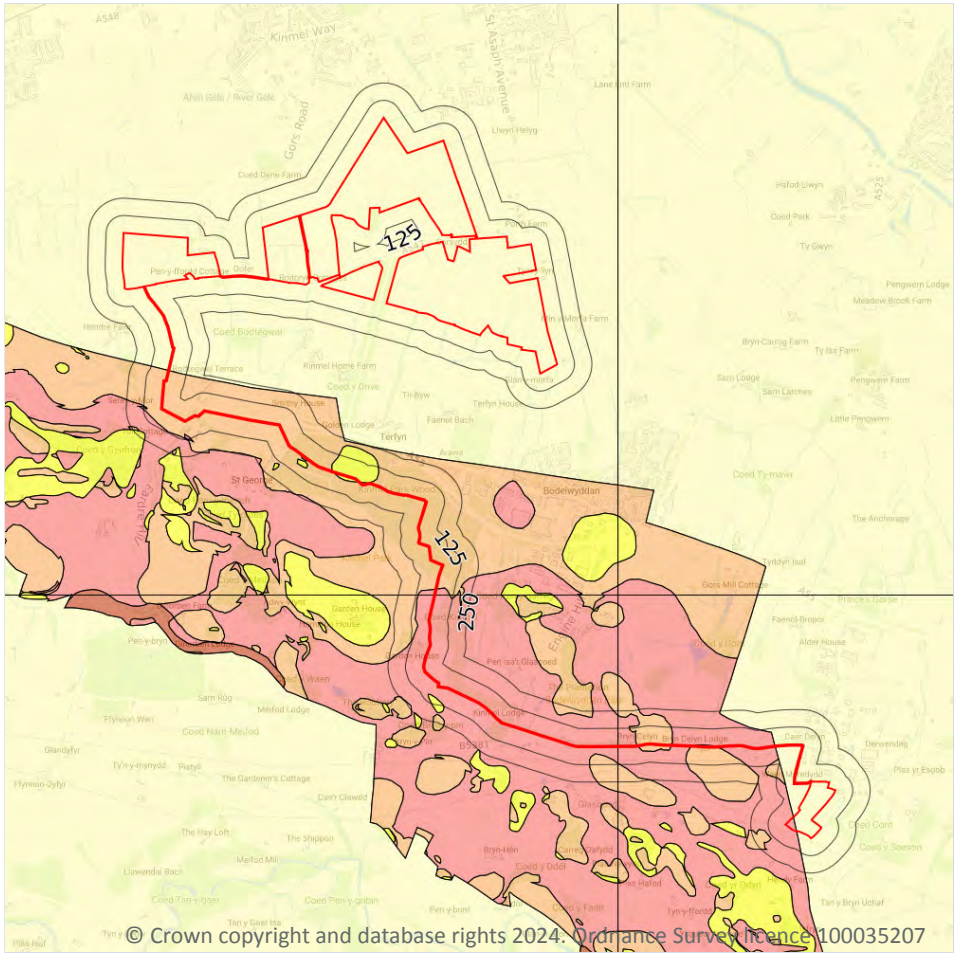
Features are displayed on the Natural ground subsidence - Landslides map on **page 180 >**

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.**

Location	Hazard rating	Details
On site	**Low**	**Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.**
On site	**Moderate**	**Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.**
35m S	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
43m S	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	6

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.

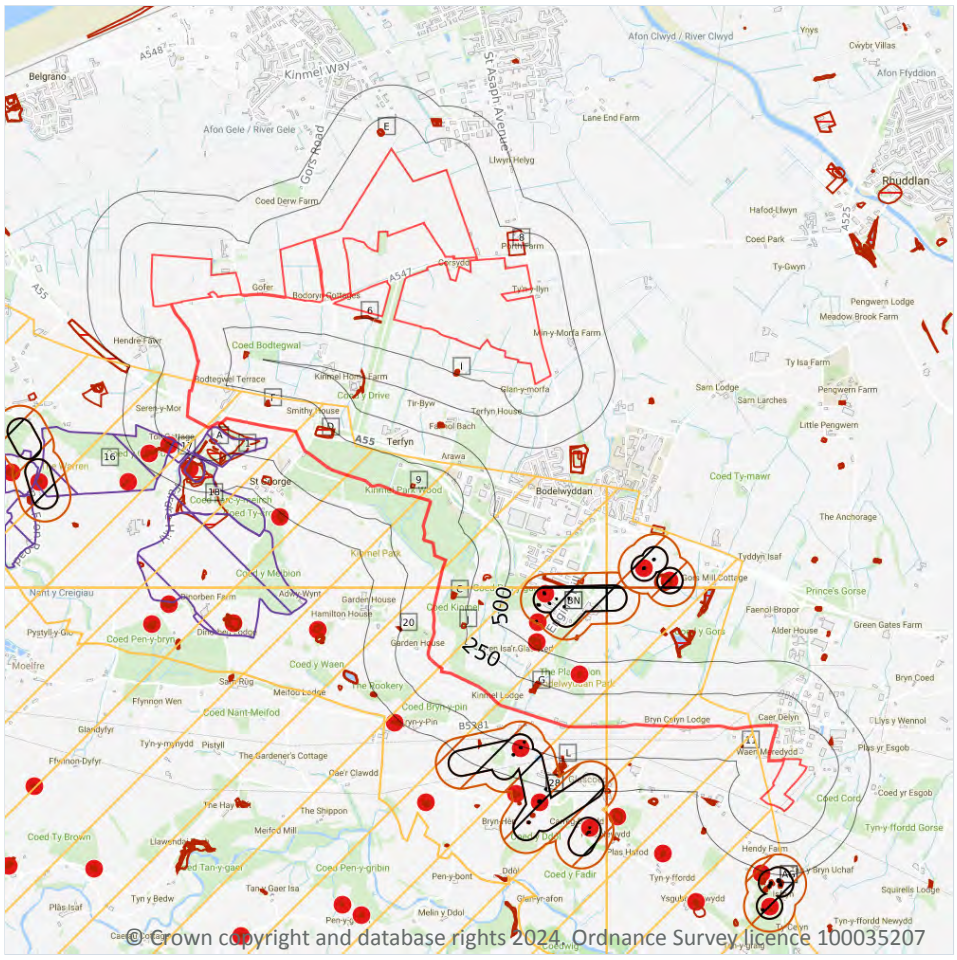
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 182 >**

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.**

Location	Hazard rating	Details
On site	**Very low**	**Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.**
On site	**Low**	**Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.**
On site	**Moderate**	**Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.**
19m SW	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.
47m S	Low	Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.

This data is sourced from the British Geological Survey.

18 Mining and ground workings



18.1 BritPits

Records within 500m	7

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 184 >**

ID	Location	Details	Description
M	262m SW	Name: Hen-durnpec Address: St George, ABERGELE, Conwy Commodity: Limestone 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
O	266m S	Name: Coed-y-brain Address: Pentre mawr, ST ASAPH, Denbighshire Commodity: Lead Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) 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
P	334m SW	Name: Hen-durnpec Address: ABERGELE, Conwy Commodity: Limestone 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
S	339m S	Name: Coed-y-brain Address: Pentre mawr, ST ASAPH, Denbighshire Commodity: Lead Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) 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
K	345m SW	Name: Parc-y-Meirch Address: St George, ABERGELE, Conwy Commodity: Limestone 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
X	408m SE	Name: The Plantation Address: Bodelwyddan, RHYL, Flintshire Commodity: Limestone 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

ID	Location	Details	Description
P	409m SW	Name: Hen-durnpec Address: ABERGELE, Conwy Commodity: Limestone 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 **61**

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 184 >**

ID	Location	Land Use	Year of mapping	Mapping scale
1	**On site**	**Unspecified Heaps**	**1990**	**1:10000**
6	26m W	Unspecified Pit	1871	1:10560
7	39m SW	Unspecified Pit	1871	1:10560
8	43m NE	Brick and Tile Works	1871	1:10560
9	58m S	Pond	1900	1:10560
A	85m SW	Limestone Quarry	1980	1:10000
A	85m SW	Unspecified Heap	1964	1:10560
B	103m SW	Unspecified Ground Workings	1964	1:10560
B	103m SW	Unspecified Ground Workings	1980	1:10000
C	112m S	Pond	1959	1:10560
C	112m S	Pond	1971	1:10000
C	115m S	Pond	1949	1:10560
C	115m S	Pond	1914	1:10560
C	117m S	Pond	1871	1:10560
C	122m S	Pond	1900	1:10560
D	126m SW	Cuttings	1990	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
D	126m SW	Cuttings	1980	1:10000
E	127m N	Pond	1949	1:10560
E	127m N	Pond	1938	1:10560
11	128m SE	Unspecified Quarry	1898	1:10560
E	130m N	Pond	1871	1:10560
E	137m N	Pond	1964	1:10560
E	137m N	Pond	1980	1:10000
E	137m N	Pond	1990	1:10000
E	138m N	Pond	1900	1:10560
12	146m SW	Unspecified Ground Workings	1980	1:10000
F	155m SW	Pond	1914	1:10560
F	157m SW	Pond	1964	1:10560
F	157m SW	Pond	1980	1:10000
F	157m SW	Pond	1990	1:10000
F	157m SW	Pond	1900	1:10560
F	159m SW	Pond	1871	1:10560
14	164m SW	Refuse Heap	1949	1:10560
G	165m S	Ponds	1871	1:10560
G	167m S	Ponds	1900	1:10560
G	168m S	Ponds	1959	1:10560
G	168m S	Ponds	1949	1:10560
G	199m S	Pond	1914	1:10560
H	201m S	Unspecified Heap	1874	1:10560
G	203m S	Pond	1971	1:10000
15	208m SW	Refuse Heap	1949	1:10560
I	211m SE	Pond	1871	1:10560
J	214m S	Unspecified Pit	1959	1:10560
J	214m S	Unspecified Pit	1971	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
I	216m SE	Pond	1964	1:10560
I	216m SE	Pond	1980	1:10000
I	216m SE	Pond	1990	1:10000
I	217m SE	Pond	1949	1:10560
I	218m SE	Pond	1914	1:10560
I	218m SE	Pond	1900	1:10560
19	231m SW	Refuse Heap	1990	1:10000
K	233m SW	Unspecified Quarry	1964	1:10560
L	233m S	Cuttings	1874	1:10560
20	244m S	Ponds	1914	1:10560
M	244m SW	Unspecified Old Quarry	1949	1:10560
M	244m SW	Unspecified Old Quarries	1898	1:10560
M	245m SW	Unspecified Old Quarry	1938	1:10560
M	245m SW	Unspecified Old Quarry	1911	1:10560
M	245m SW	Unspecified Old Quarry	1911	1:10560
M	245m SW	Unspecified Old Quarry	1911	1:10560
M	245m SW	Unspecified Disused Quarry	1980	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m **69**

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 184 >**

ID	Location	Land Use	Year of mapping	Mapping scale
H	207m S	Unspecified Old Shafts	1959	1:10560
O	259m S	Unspecified Old Shafts	1898	1:10560
O	259m S	Old Lead Shafts	1949	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
O	261m S	Unspecified Old Shafts	1959	1:10560
S	329m S	Unspecified Disused Shaft	1971	1:10000
S	332m S	Unspecified Old Shafts	1898	1:10560
S	332m S	Old Lead Shafts	1949	1:10560
28	507m S	Unspecified Disused Shaft	1971	1:10000
AG	535m SE	Lead Shaft	1874	1:10560
AG	539m SE	Unspecified Disused Shafts	1978	1:10000
AG	539m SE	Unspecified Disused Shafts	1992	1:10000
AG	539m SE	Unspecified Disused Shafts	1966	1:10560
AG	546m SE	Unspecified Old Shafts	1898	1:10560
AG	547m SE	Old Lead Shafts	1949	1:10560
AG	549m SE	Unspecified Old Shafts	1959	1:10560
AJ	568m SE	Unspecified Disused Shafts	1978	1:10000
AJ	568m SE	Unspecified Disused Shafts	1992	1:10000
AJ	568m SE	Unspecified Disused Shafts	1966	1:10560
AJ	568m SE	Lead Shafts	1874	1:10560
AJ	572m SE	Unspecified Old Shafts	1898	1:10560
AG	573m SE	Lead Shaft	1874	1:10560
AG	573m SE	Unspecified Disused Shafts	1978	1:10000
AG	573m SE	Unspecified Disused Shafts	1992	1:10000
AG	573m SE	Unspecified Disused Shafts	1966	1:10560
AJ	575m SE	Old Lead Shafts	1949	1:10560
AJ	577m SE	Unspecified Old Shafts	1959	1:10560
AG	577m SE	Unspecified Old Shafts	1898	1:10560
AG	577m SE	Old Lead Shafts	1949	1:10560
AG	581m SE	Unspecified Old Shafts	1959	1:10560
AJ	589m SE	Unspecified Disused Shafts	1978	1:10000
AJ	589m SE	Unspecified Disused Shafts	1992	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
AJ	591m SE	Unspecified Disused Shafts	1966	1:10560
AJ	593m SE	Lead Shafts	1874	1:10560
AJ	600m SE	Unspecified Old Shafts	1898	1:10560
AJ	601m SE	Old Lead Shafts	1949	1:10560
AJ	604m SE	Unspecified Old Shafts	1959	1:10560
AP	608m S	Old Lead Mine	1898	1:10560
AP	608m S	Old Lead Mine	1949	1:10560
AP	612m S	Unspecified Old Mine	1959	1:10560
AT	667m S	Old Lead Shaft	1949	1:10560
AT	669m S	Old Lead Shaft	1900	1:10560
AT	671m S	Unspecified Old Shaft	1959	1:10560
BD	779m SE	Old Lead Shaft	1949	1:10560
BD	780m SE	Unspecified Old Shaft	1959	1:10560
AY	782m S	Lead Shafts	1874	1:10560
BD	786m SE	Unspecified Disused Shaft	1971	1:10000
BE	786m SE	Lead Shaft	1874	1:10560
BE	787m SE	Unspecified Disused Shaft	1978	1:10000
BE	787m SE	Unspecified Disused Shaft	1992	1:10000
BE	787m SE	Unspecified Disused Shaft	1966	1:10560
BE	789m SE	Old Lead Shaft	1949	1:10560
BE	792m SE	Unspecified Old Shaft	1959	1:10560
BF	795m S	Air Shaft	1898	1:10560
BF	795m S	Unspecified Shaft	1971	1:10000
BF	800m S	Air Shaft	1949	1:10560
BH	802m SE	Unspecified Old Shafts	1959	1:10560
BH	802m SE	Unspecified Disused Shaft	1971	1:10000
BH	804m SE	Old Lead Shafts	1949	1:10560
BH	813m SE	Old Lead Shaft	1900	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AY	816m S	Lead Shafts	1874	1:10560
AY	817m S	Lead Shafts	1874	1:10560
AY	831m S	Lead Shaft	1874	1:10560
BJ	842m SE	Unspecified Old Shafts	1959	1:10560
BJ	843m SE	Old Lead Shafts	1949	1:10560
BJ	846m SE	Old Lead Shafts	1900	1:10560
BN	878m SE	Old Lead Shafts	1949	1:10560
BN	882m SE	Old Lead Shafts	1900	1:10560
47	909m SE	Old Lead Shafts	1900	1:10560
BA	954m SE	Old Lead Shafts	1900	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	**5**

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.

Features are displayed on the Mining and ground workings map on **page 184 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
5	7m SW	Parc-y-meirch	Not available	Not available	Not available	Not available
16	211m SW	Parc-y-meirch	Not available	Not available	Not available	Not available
17	212m SW	Parc-y-meirch	Not available	Not available	Not available	Not available

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
18	230m SW	Parc-y-meirch	Not available	Not available	Not available	Not available
K	233m SW	Parc-y-meirch	Not available	Not available	Not available	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	**20**

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 184 >**

ID	Location	Name	Commodity	Class	Likelihood
2	**On site**	**Not available**	**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.**
3	**On site**	**Not available**	**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.**
4	**On site**	**Not available**	**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.**
10	60m S	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
13	160m S	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.

ID	Location	Name	Commodity	Class	Likelihood
Q	308m SE	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
T	340m SE	Tan-y-bryn	Vein Minerals-Lead	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
T	440m SE	Tan-y-bryn	Vein Minerals-Lead	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
30	561m S	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.
31	622m S	Not available	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.
32	633m SE	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
33	644m S	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
37	670m S	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
AY	706m S	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
BA	733m SE	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.

ID	Location	Name	Commodity	Class	Likelihood
BC	779m SE	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
42	799m SE	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
46	899m SE	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
48	934m SE	Gors-isaf	Vein Minerals-Lead	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
50	971m SE	Not available	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.

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	10

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.

Location	Mineral type
162m S	Metals
237m S	Metals
282m S	Metals
365m S	Metals
377m S	Metals
433m S	Metals
437m S	Metals
440m S	Metals
463m S	Metals
488m S	Metals

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

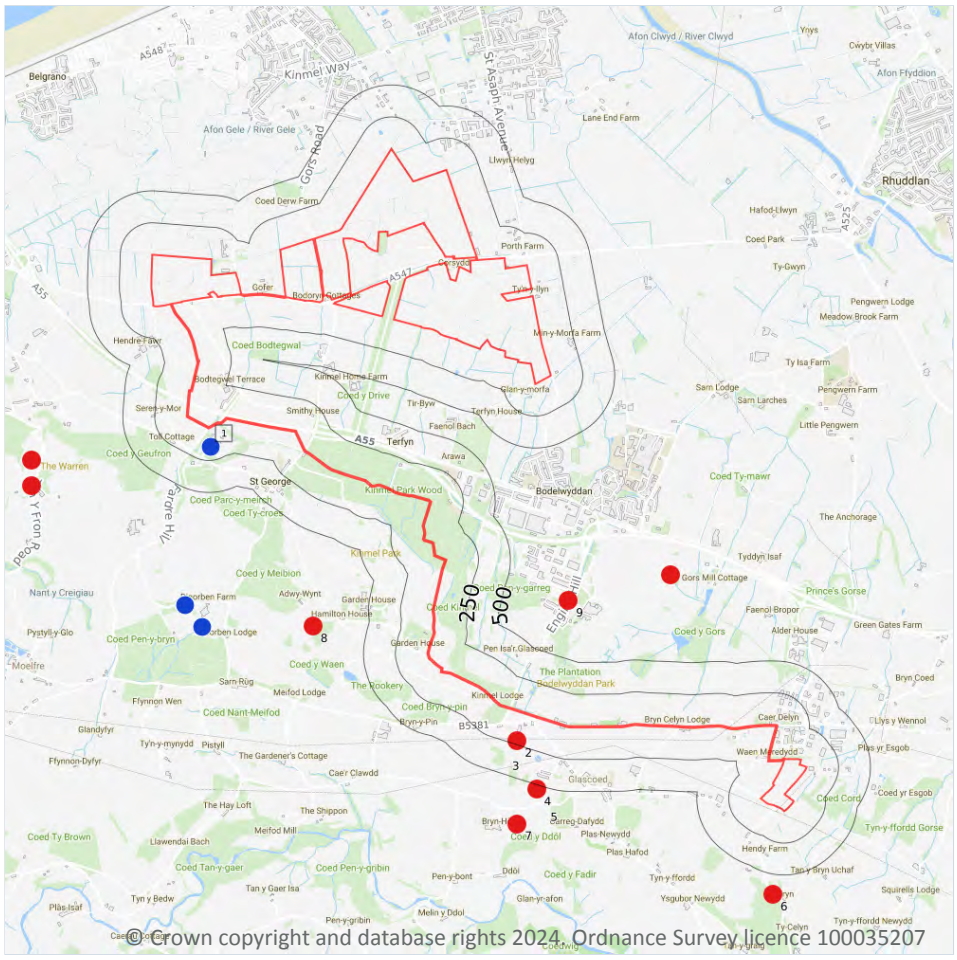
18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes



19.1 Natural cavities

Records within 500m	1

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.

Features are displayed on the Ground cavities and sinkholes map on **page 198 >**

ID	Location	Details	Source
1	146m SW	Type: Solution Widened Joint or Fissure x 1 Superficial Geology: - Bedrock Geology: Carboniferous Limestone Supergroup, Lower Carboniferous Limestone, Upper Carboniferous Limestone	Simple Bibliography: - Full Bibliography: OLDHAM, T., Anne Oldham, Crymach, 1981; The caves of North Wales Confidentiality: Data source can be revealed, data can be used freely

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	8

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.

Features are displayed on the Ground cavities and sinkholes map on **page 198 >**

ID	Location	Mine Address	Mineral	Data source	Publisher
2	221m S	Kefn, Score, Clwyd	Lead	THE NON FERROUS MINES OF DENBIGHSHIRE	NORTHERN CAVERN AND MINE RESEARCH SOC.
3	347m S	Plas Newydd/cefn, Cefnmeiriadog, Denbighshire	-	-	-
4	537m S	Plas Newydd/cefn, Cefnmeiriadog, Denbighshire	-	-	-
5	637m S	Coed Carreg Dafydd, Plas Newydd, Clwyd	Lead	THE NON FERROUS MINES OF DENBIGHSHIRE	NORTHERN CAVERN AND MINE RESEARCH SOC.
6	656m SE	Coed Celyn, Pant Celyn, Clwyd	Lead	THE NON FERROUS MINES OF FLINTSHIRE	NORTHERN CAVERN AND MINE RESEARCH SOC.
7	840m S	Plas Newydd/cefn, Cefnmeiriadog, Denbighshire	-	-	-
8	922m S	Kinmel, Clwyd	Lead	THE NON FERROUS MINES OF DENBIGHSHIRE	NORTHERN CAVERN AND MINE RESEARCH SOC.
9	940m SE	Bodelwyddan, Clwyd	Lead	THE NON FERROUS MINES OF DENBIGHSHIRE	NORTHERN CAVERN AND MINE RESEARCH SOC.

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

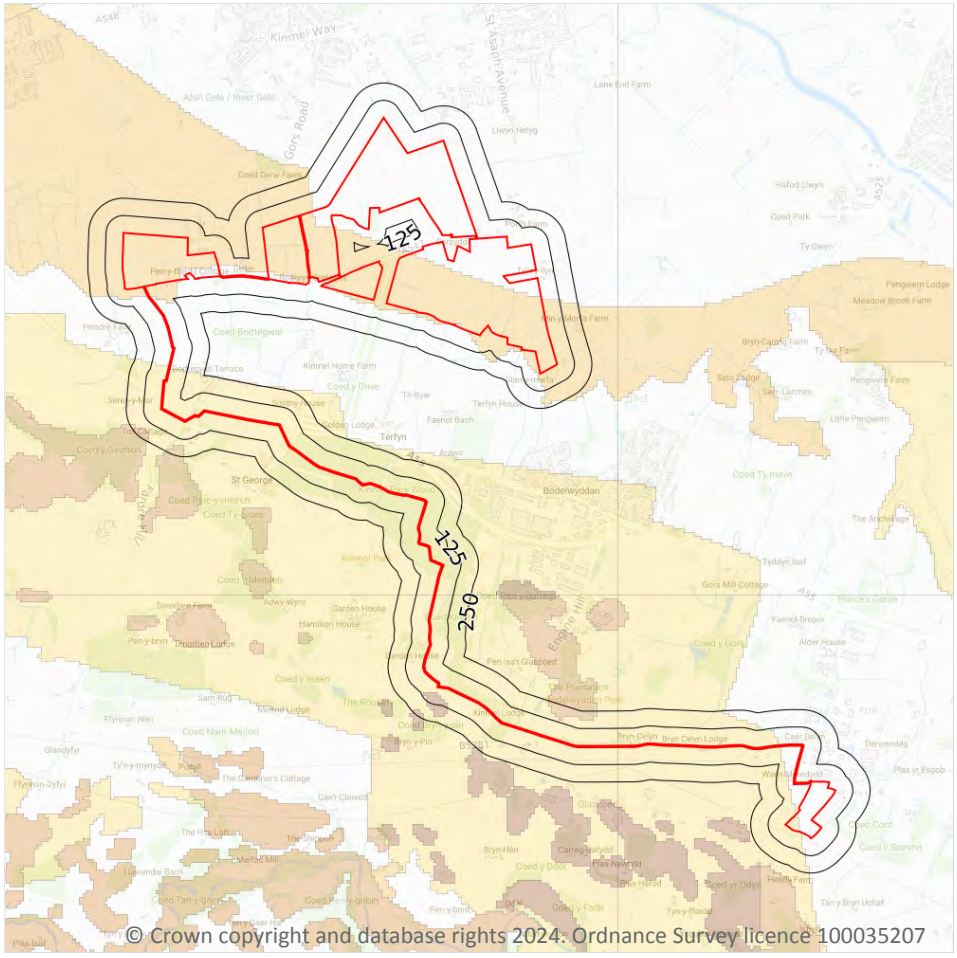
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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%

20.1 Radon

Records on site	3

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 201 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 3% and 5%**	**Basic**

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

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m **82**

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

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

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
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
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
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
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
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
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
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
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
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**
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**
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**
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**
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**
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**
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**
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**
1m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
1m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
14m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
21m NW	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
22m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
25m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
25m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
36m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
39m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
44m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
44m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
45m W	15 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 km^2).

This data is sourced from the British Geological Survey.

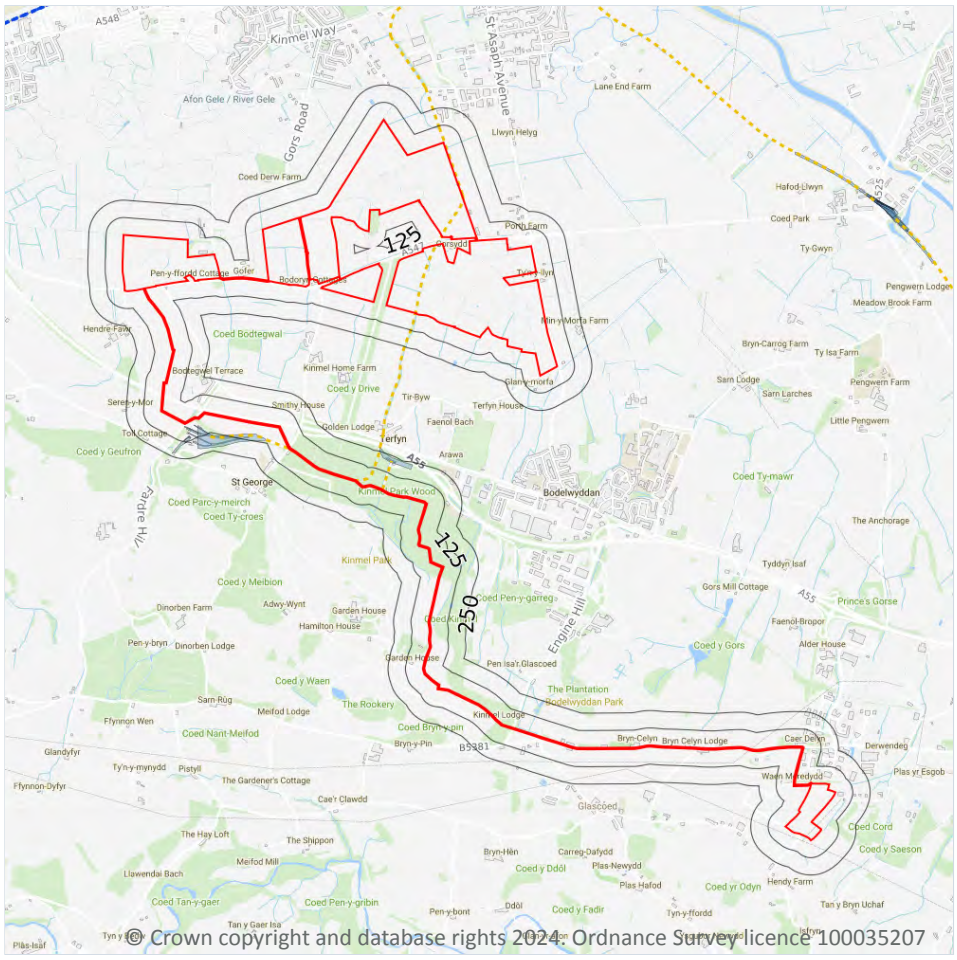
21.3 BGS Measured Urban Soil Chemistry

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 km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



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- Site Outline

Search buffers in metres (m)

- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	12

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 207 >**

Location	Land Use	Year of mapping	Mapping scale
16m SW	Mineral Railway Sidings	1961	2500
30m SW	Railway Sidings	1949	10560
46m SW	Railway Sidings	1949	10560
91m SW	Railway Sidings	1961	2500
100m SW	Railway Sidings	1949	10560
130m SW	Railway Sidings	1961	2500
198m S	Railway Sidings	1949	10560
211m S	Railway Sidings	1962	2500
225m SW	Tunnel	1984	2500
225m SW	Tunnel	1961	2500
232m SW	Tunnel	1984	2500
232m SW	Tunnel	1961	2500

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	7

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 207 >**

Location	Description
On site	**Abandoned**
On site	**Abandoned**
On site	**Disused**
On site	**Disused**
On site	**Disused**
6m NE	Abandoned
107m N	Dismantled

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 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.

22.9 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

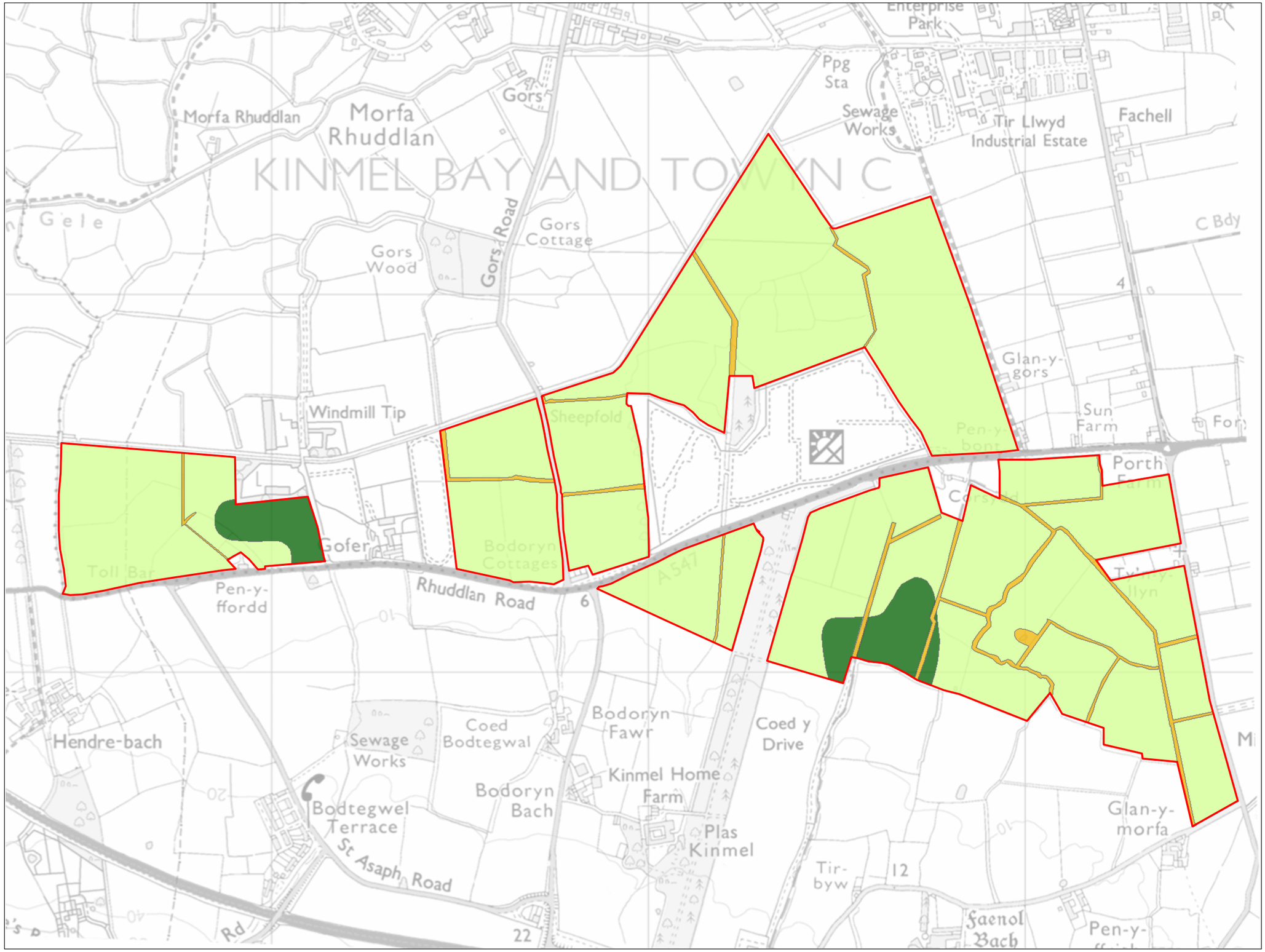
Data providers

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

Terms and conditions

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

Appendix G Agricultural Land Classification Maps



KEY

- Subgrade 3a
- Subgrade 3b
- Other land
- Site boundary

Site:

Land near Bodelwyddan

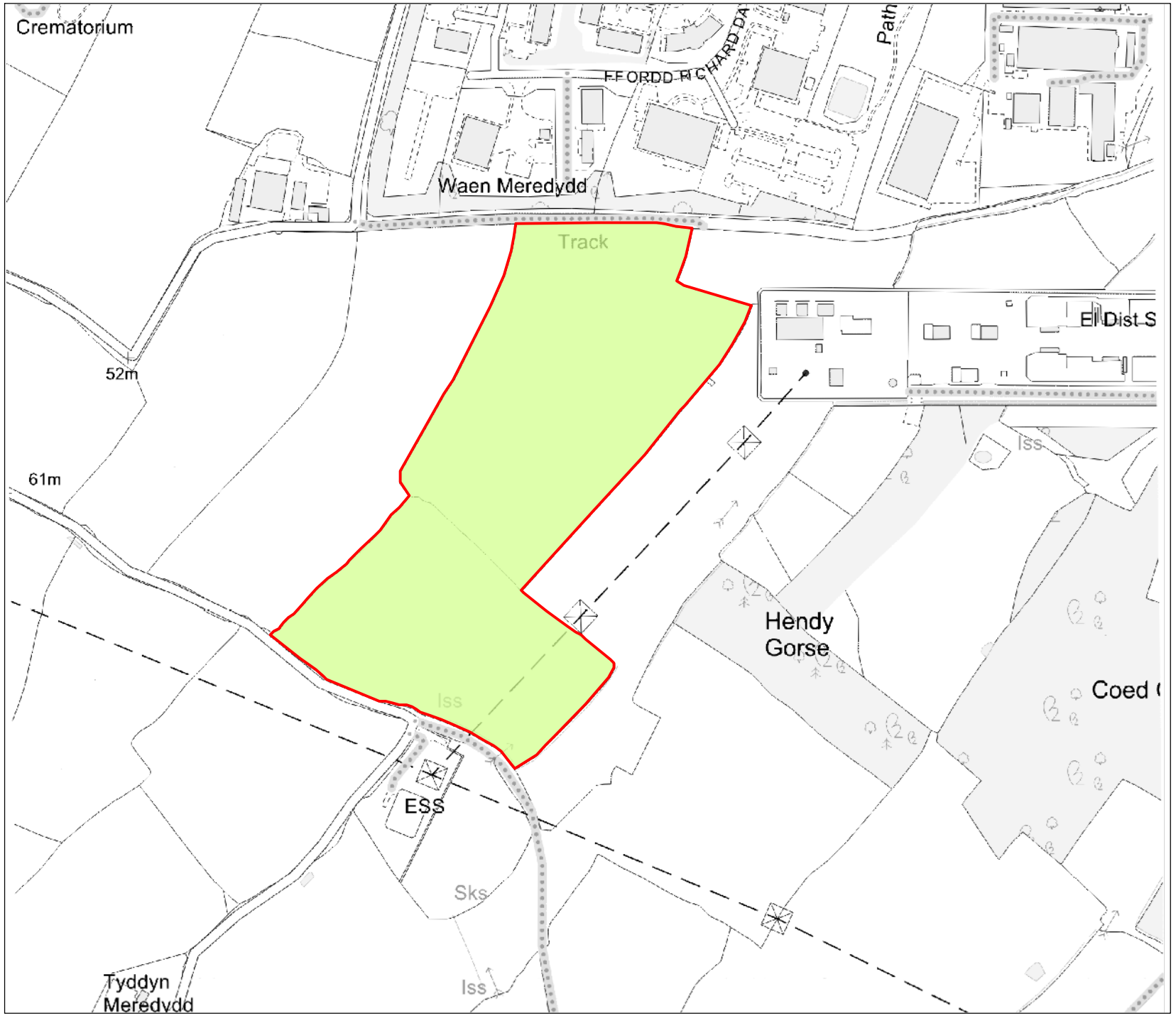
Map title:

MAP 2A
Agricultural Land Classification

Land Research Associates
Tapton Innovation Centre
Brimington Road
Chesterfield
S41 0TZ
www.lra.co.uk

Date:24/10/2024

Scale: 1:10,000



KEY

Subgrade 3b

Site boundary

Site:

Land near
Bodelywddan

Map title:

MAP 2B
Agricultural Land
Classification

Land Research ASSOCIATES
Tapton Innovation Centre
Brimington Road
Chesterfield
S41 0TZ
www.lra.co.uk

Date:24/10/2024

Scale: 1:4,000

[i] Planning (Wales) Act 2015 Available at: https://www.legislation.gov.uk/anaw/2015/4/contents/enacted

[ii] The Town and Country Planning (Environmental Impact Assessment) (Wales) Regulations 2017 (2017 No. 567 (W.136))