

Appendix C

TY MAWR, PONTARDAWE, SA8 4HP

Order Details

Date: 04/01/2023
Your ref: 8293_02_Pontardawe_PO-11214
Our Ref: ESP-9278332

Site Details

Location: 272267 203632
Area: 0.17 ha
Authority: [Castell-nedd Port Talbot - Neath Port Talbot County Borough](#)



Summary of findings

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Aerial image

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OS MasterMap site plan

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Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	<u>Historical industrial land uses</u>	16	5	71	84	-
21	1.2	<u>Historical tanks</u>	0	0	14	11	-
22	1.3	<u>Historical energy features</u>	0	0	4	33	-
24	1.4	Historical petrol stations	0	0	0	0	-
24	1.5	<u>Historical garages</u>	0	0	0	9	-
25	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
26	2.1	<u>Historical industrial land uses</u>	19	7	87	122	-
35	2.2	<u>Historical tanks</u>	0	0	15	14	-
36	2.3	<u>Historical energy features</u>	0	0	7	55	-
39	2.4	Historical petrol stations	0	0	0	0	-
39	2.5	<u>Historical garages</u>	0	0	0	14	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
41	3.1	Active or recent landfill	0	0	0	0	-
41	3.2	Historical landfill (BGS records)	0	0	0	0	-
42	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
42	3.4	<u>Historical landfill (EA/NRW records)</u>	0	0	0	1	-
42	3.5	<u>Historical waste sites</u>	0	0	0	1	-
43	3.6	Licensed waste sites	0	0	0	0	-
43	3.7	<u>Waste exemptions</u>	0	0	3	1	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
44	4.1	<u>Recent industrial land uses</u>	0	0	4	-	-
45	4.2	<u>Current or recent petrol stations</u>	0	0	1	1	-
45	4.3	Electricity cables	0	0	0	0	-
45	4.4	Gas pipelines	0	0	0	0	-
45	4.5	Sites determined as Contaminated Land	0	0	0	0	-



46	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
46	4.7	Regulated explosive sites	0	0	0	0	-
46	4.8	Hazardous substance storage/usage	0	0	0	0	-
46	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
46	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
47	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	1	-
47	4.12	Radioactive Substance Authorisations	0	0	0	0	-
47	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	5	9	-
50	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
50	4.15	Pollutant release to public sewer	0	0	0	0	-
50	4.16	List 1 Dangerous Substances	0	0	0	0	-
50	4.17	List 2 Dangerous Substances	0	0	0	0	-
50	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	1	8	13	-
53	4.19	Pollution inventory substances	0	0	0	0	-
53	4.20	Pollution inventory waste transfers	0	0	0	0	-
53	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
54	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
55	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
56	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
57	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
57	5.5	Groundwater vulnerability- local information	None (within 0m)				
58	5.6	<u>Groundwater abstractions</u>	0	0	0	0	1
59	5.7	<u>Surface water abstractions</u>	0	0	0	1	4
60	5.8	Potable abstractions	0	0	0	0	0
61	5.9	Source Protection Zones	0	0	0	0	-
61	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
62	6.1	<u>Water Network (OS MasterMap)</u>	0	1	10	-	-



63	6.2	<u>Surface water features</u>	0	1	4	-	-
64	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
64	6.4	<u>WFD Surface water bodies</u>	0	1	1	-	-
65	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
66	7.1	<u>Risk of flooding from rivers and the sea</u>	High (within 50m)				
67	7.2	<u>Historical Flood Events</u>	1	0	1	-	-
67	7.3	<u>Flood Defences</u>	0	0	8	-	-
68	7.4	<u>Areas Benefiting from Flood Defences</u>	1	0	1	-	-
68	7.5	Flood Storage Areas	0	0	0	-	-
69	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
70	7.7	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
71	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
73	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
74	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	0	1
75	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
75	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
75	10.4	Special Protection Areas (SPA)	0	0	0	0	0
75	10.5	National Nature Reserves (NNR)	0	0	0	0	0
76	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	1	0
76	10.7	<u>Designated Ancient Woodland</u>	0	0	0	2	80
79	10.8	Biosphere Reserves	0	0	0	0	0
79	10.9	Forest Parks	0	0	0	0	0
80	10.10	Marine Conservation Zones	0	0	0	0	0
80	10.11	Green Belt	0	0	0	0	0
80	10.12	Proposed Ramsar sites	0	0	0	0	0



80	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
80	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
81	10.15	Nitrate Sensitive Areas	0	0	0	0	0
81	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
82	10.17	SSSI Impact Risk Zones	0	-	-	-	-
82	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
83	11.1	World Heritage Sites	0	0	0	-	-
84	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
84	11.3	National Parks	0	0	0	-	-
84	11.4	Listed Buildings	0	0	2	-	-
85	11.5	Conservation Areas	0	0	0	-	-
85	11.6	Scheduled Ancient Monuments	0	0	0	-	-
85	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
86	12.1	Agricultural Land Classification	None (within 250m)				
86	12.2	Open Access Land	0	0	0	-	-
86	12.3	Tree Felling Licences	0	0	0	-	-
86	12.4	Environmental Stewardship Schemes	0	0	0	-	-
87	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
88	13.1	Priority Habitat Inventory	0	0	0	-	-
88	13.2	Habitat Networks	0	0	0	-	-
88	13.3	Open Mosaic Habitat	0	0	0	-	-
88	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
89	14.1	10k Availability	Identified (within 500m)				
90	14.2	Artificial and made ground (10k)	1	0	4	7	-
92	14.3	Superficial geology (10k)	1	2	3	3	-



93	14.4	Landslip (10k)	0	0	0	0	-
94	14.5	<u>Bedrock geology (10k)</u>	1	2	1	4	-
95	14.6	<u>Bedrock faults and other linear features (10k)</u>	0	1	3	2	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
96	15.1	<u>50k Availability</u>	Identified (within 500m)				
97	15.2	<u>Artificial and made ground (50k)</u>	0	0	0	1	-
98	15.3	Artificial ground permeability (50k)	0	0	-	-	-
99	15.4	<u>Superficial geology (50k)</u>	2	0	1	2	-
100	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
100	15.6	Landslip (50k)	0	0	0	0	-
100	15.7	Landslip permeability (50k)	None (within 50m)				
101	15.8	<u>Bedrock geology (50k)</u>	1	2	2	3	-
102	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
102	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	1	2	1	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
104	16.1	<u>BGS Boreholes</u>	0	0	46	-	-
Page	Section	Natural ground subsidence					
107	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
108	17.2	<u>Running sands</u>	Low (within 50m)				
110	17.3	<u>Compressible deposits</u>	Moderate (within 50m)				
112	17.4	<u>Collapsible deposits</u>	Negligible (within 50m)				
113	17.5	<u>Landslides</u>	Very low (within 50m)				
114	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
116	18.1	Natural cavities	0	0	0	0	-
117	18.2	<u>BritPits</u>	0	0	0	4	-
118	18.3	<u>Surface ground workings</u>	3	6	44	-	-
120	18.4	<u>Underground workings</u>	0	0	2	5	13
121	18.5	Historical Mineral Planning Areas	0	0	0	0	-



121	18.6	Non-coal mining	0	0	0	0	0
121	18.7	Mining cavities	0	0	0	0	0
121	18.8	JPB mining areas	None (within 0m)				
122	18.9	<u>Coal mining</u>	Identified (within 0m)				
122	18.10	Brine areas	None (within 0m)				
122	18.11	Gypsum areas	None (within 0m)				
122	18.12	Tin mining	None (within 0m)				
122	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
123	19.1	<u>Radon</u>	Between 10% and 30% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
125	20.1	<u>BGS Estimated Background Soil Chemistry</u>	2	3	-	-	-
125	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
126	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
127	21.1	Underground railways (London)	0	0	0	-	-
127	21.2	Underground railways (Non-London)	0	0	0	-	-
128	21.3	Railway tunnels	0	0	0	-	-
128	21.4	<u>Historical railway and tunnel features</u>	13	6	76	-	-
131	21.5	Royal Mail tunnels	0	0	0	-	-
132	21.6	<u>Historical railways</u>	0	0	6	-	-
132	21.7	Railways	0	0	0	-	-
132	21.8	Crossrail 1	0	0	0	0	-
133	21.9	Crossrail 2	0	0	0	0	-
133	21.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 14/04/2020

Site Area: 0.17ha



Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 4 January 2023

Recent site history - 2017 aerial photograph



Capture Date: 17/06/2017

Site Area: 0.17ha



Recent site history - 2014 aerial photograph



Capture Date: 23/07/2014

Site Area: 0.17ha



Recent site history - 2010 aerial photograph

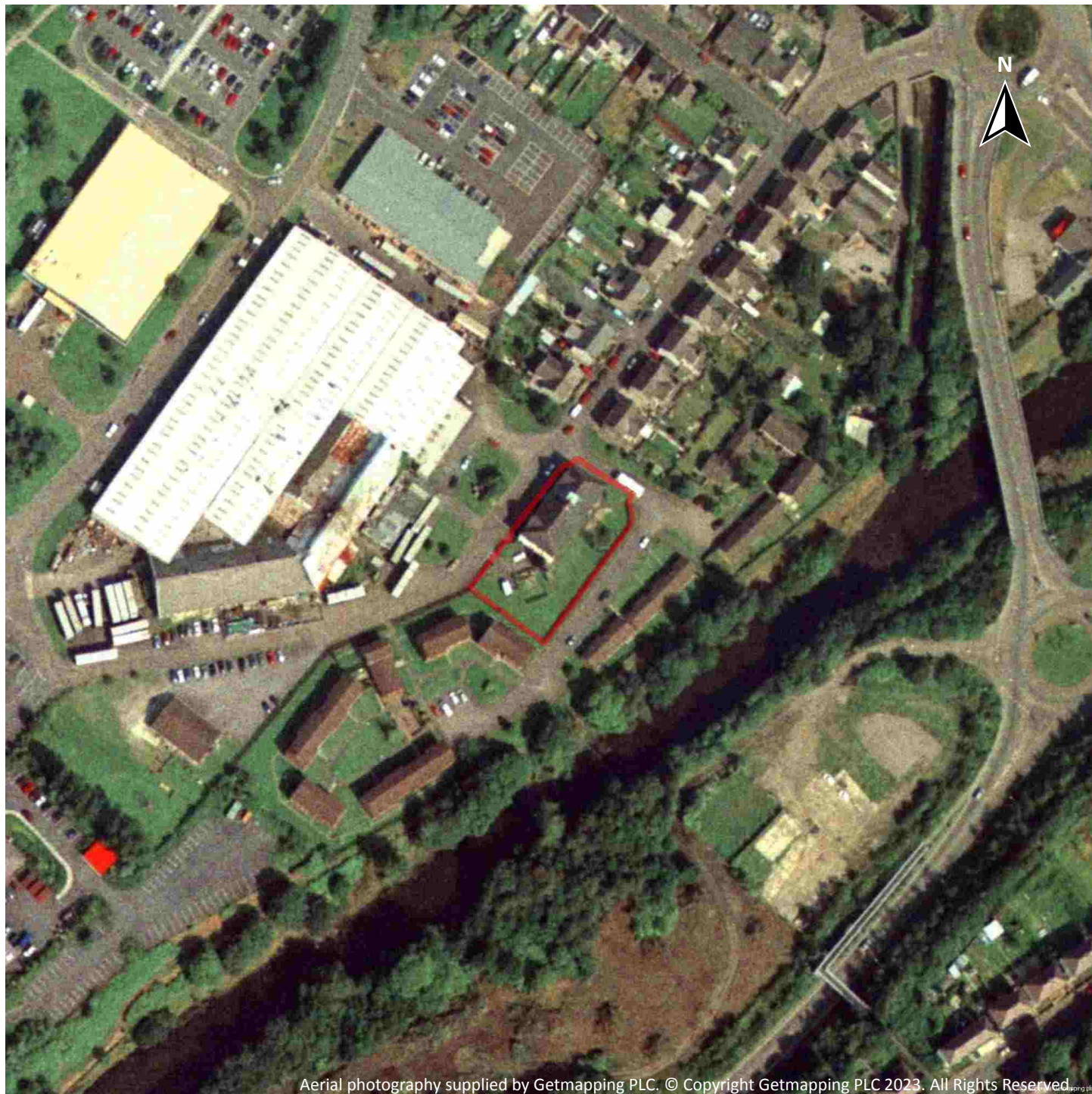


Capture Date: 22/05/2010

Site Area: 0.17ha



Recent site history - 2000 aerial photograph



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Capture Date: 24/08/2000

Site Area: 0.17ha



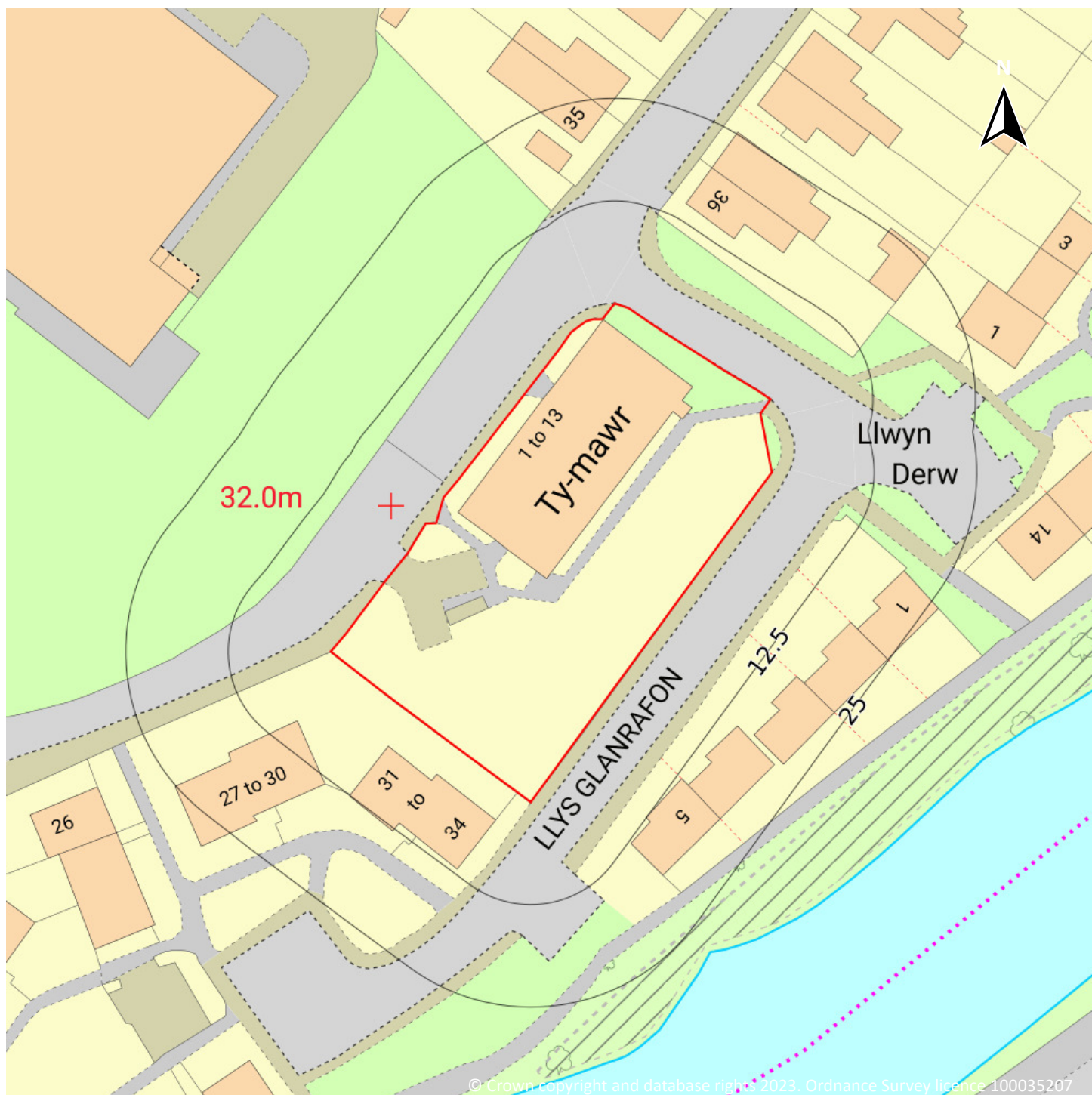
Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 4 January 2023

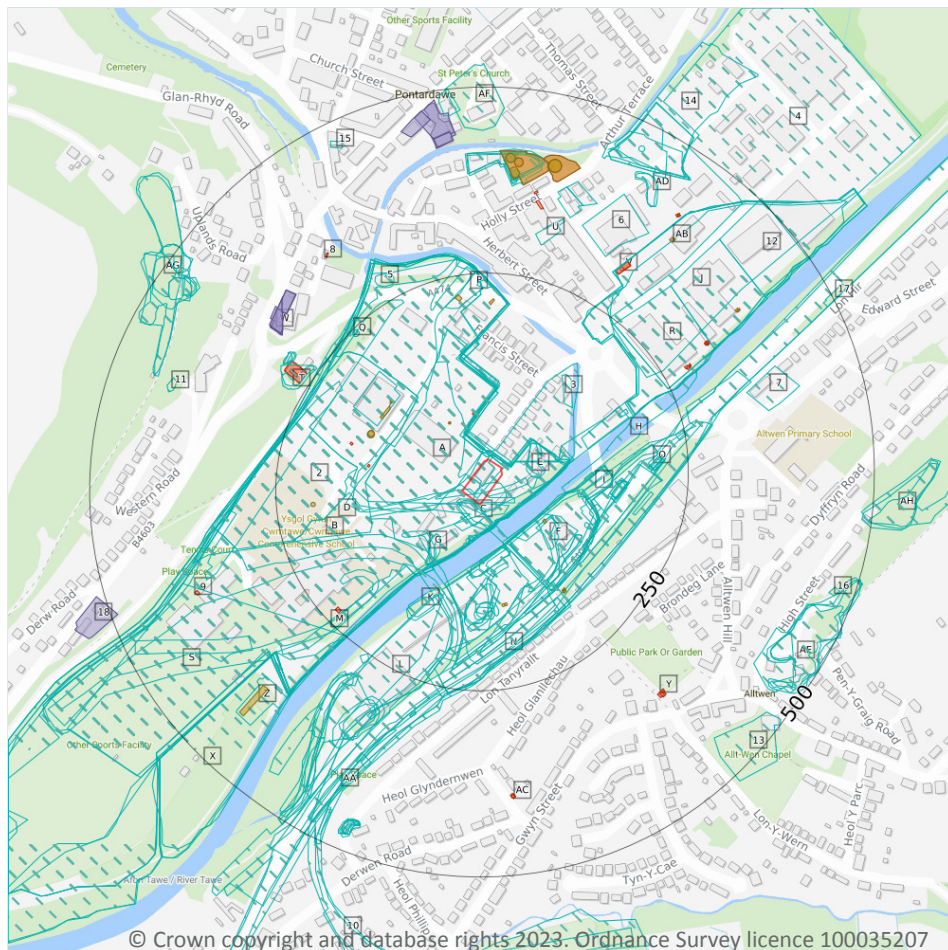
OS MasterMap site plan



Site Area: 0.17ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

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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	Industrial Estate	1980	256226



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Works	1992	277383
B	On site	Steel and Tin Plate Works	1948	274833
B	On site	Railway Sidings	1948	287577
B	On site	Railway Sidings	1964	289051
B	On site	Railway Sidings	1948	296437
B	On site	Railway Sidings	1966	306630
B	On site	Unspecified Works	1964 - 1966	311213
B	On site	Steel and Tin Plate Works	1948	312686
C	On site	Refuse Heap	1921	289012
C	On site	Refuse Heap	1897	303306
C	On site	Unspecified Heap	1966	310763
D	On site	Steel and Tin Plate Works	1913 - 1921	291178
D	On site	Railway Sidings	1897	305862
D	On site	Railway Sidings	1913	311548
D	On site	Railway Sidings	1913 - 1921	314371
C	2m SW	Unspecified Heap	1948	313568
D	10m S	Tramway Sidings	1877	256848
E	33m E	Refuse Heap	1913 - 1921	278568
E	34m NE	Unspecified Heap	1913	260134
E	36m E	Unspecified Pit	1913	268484
F	59m S	Chemical Works	1877	292814
F	61m SE	Unspecified Works	1964	253419
F	62m S	Chemical Works	1897 - 1913	296059
F	62m S	Railway Sidings	1897	290557
F	62m S	Unspecified Heap	1897	285097
F	62m SE	Chemical Works	1921 - 1948	310162
F	63m SE	Chemical Works	1948	274052
F	63m S	Unspecified Heap	1948 - 1966	309382



ID	Location	Land use	Dates present	Group ID
F	63m S	Coal Level	1913	276175
F	64m SE	Chemical Works	1913	309602
G	65m SW	Unspecified Ground Workings	1913	285432
G	66m SW	Unspecified Ground Workings	1948	317801
1	67m SE	Railway Sidings	1921	303483
G	73m SW	Unspecified Heap	1897	260136
H	82m E	Refuse Heap	1964	270893
F	84m SE	Railway Sidings	1948	293009
F	85m S	Unspecified Ground Workings	1897	312415
F	86m S	Coal Level	1913	289981
F	87m S	Coal Level	1921	312191
F	99m S	Refuse Heap	1913	284428
F	107m S	Refuse Heap	1913	303859
I	110m E	Flour Mill	1877	255872
I	111m E	Railway Station	1877	265217
F	112m E	Railway Sidings	1966	310589
2	114m NW	Steel and Tin Plate Works	1897	275681
J	114m NE	Railway Sidings	1964	285087
I	119m E	Railway Sidings	1964	317148
3	120m NE	Unspecified Heap	1897	260133
I	125m E	Railway Sidings	1913	281582
I	125m E	Railway Sidings	1948	306130
K	127m S	Unspecified Heap	1992	315556
F	127m SE	Unspecified Ground Workings	1897 - 1913	299856
F	127m SE	Unspecified Ground Workings	1948	315821
I	128m E	Unspecified Heap	1897	260135
L	130m S	Refuse Heap	1921	299209
F	131m S	Refuse Heap	1948	274531



ID	Location	Land use	Dates present	Group ID
F	132m S	Unspecified Ground Workings	1966	299328
L	134m SW	Refuse Heap	1913	295442
F	138m S	Refuse Heap	1964	296338
D	139m NW	Chimney	1966	264916
K	142m SW	Unspecified Heap	1966 - 1980	302189
D	143m NW	Electric Substation	1992	258885
L	144m E	Railway Sidings	1948	272178
D	144m W	Tin and Plate Works	1877	254737
I	145m E	Goods Shed	1964 - 1966	283616
I	147m E	Goods Shed	1948	302762
I	149m E	Goods Shed	1948	271720
I	149m E	Goods Shed	1913	294547
I	149m E	Goods Shed	1913 - 1921	315359
M	162m SW	Unspecified Ground Workings	1964	266444
N	162m SE	Railway Sidings	1913	305095
N	162m SE	Railway Sidings	1948	305246
H	171m NE	Smithy	1877	265934
I	183m E	Railway Building	1897	256680
J	187m NE	Unspecified Mills	1964	260303
J	189m NE	Sheet Mills	1948	285794
J	191m NE	Railway Sidings	1948	301764
O	197m E	Railway Building	1966	256681
O	197m E	Railway Station	1964	275575
O	197m E	Railway Station	1948	299467
O	200m E	Railway Station	1913 - 1948	309856
O	206m E	Railway Station	1897	300984
P	207m N	Refuse Heap	1913	270892
J	229m NE	Railway Sidings	1948	296411



ID	Location	Land use	Dates present	Group ID
P	230m N	Unspecified Pit	1964	268479
O	237m E	Railway Building	1964 - 1966	315946
4	239m NE	Industrial Estate	1980 - 1992	312454
Q	239m NW	Chimney	1966	264917
R	239m NE	Unspecified Works	1980	253418
Q	243m NW	Lime Kiln	1877	265139
S	249m SW	Steel and Tin Plate Works	1913	295653
L	251m SW	Unspecified Disused Level	1980	251143
T	255m NW	Unspecified Ground Workings	1948 - 1964	300316
T	258m NW	Unspecified Heap	1948	311375
L	260m S	Old Coal Level	1921	297088
5	268m NW	Unspecified Heap	1913	260130
L	283m SW	Refuse Heap	1921 - 1948	318155
L	284m SW	Unspecified Ground Workings	1948	312604
T	286m NW	Unspecified Pit	1948	305330
L	287m SW	Unspecified Ground Workings	1964	291902
T	288m NW	Unspecified Pit	1948	286262
L	288m SW	Unspecified Ground Workings	1992	274859
T	289m NW	Unspecified Pit	1964	292370
L	291m S	Old Coal Level	1948	289253
L	291m S	Old Coal Level	1948	304490
L	295m SW	Old Coal Level	1948	285530
U	297m N	Fire Station	1966	263918
L	299m SW	Unspecified Pit	1966 - 1980	314672
L	306m SW	Refuse Heap	1964	289873
L	306m SW	Old Coal Level	1913	311861
6	315m NE	Bus Depot	1966	265464
L	323m S	Unspecified Disused Level	1964	251140



ID	Location	Land use	Dates present	Group ID
J	326m NE	Unspecified Factory	1980	253214
X	329m SW	Sewage Works	1913	311194
X	331m SW	Sewage Works	1948	294862
X	335m SW	Sewage Works	1948	310093
U	343m N	Printing Works	1913 - 1921	300251
7	344m E	Smithy	1877	265933
S	346m SW	Cuttings	1964 - 1966	300830
Z	361m SW	Sewage Works	1921	317866
U	364m N	Printing Works	1913	258686
U	368m N	Gas Works	1913 - 1921	314811
AA	369m SW	Railway Sidings	1948	290271
U	372m N	Gasometer	1921	300756
U	373m N	Gas Works	1948	316985
U	376m N	Gasometer	1948	276943
U	376m N	Gas Works	1948	298710
U	376m N	Gas Works	1913	274333
AA	376m SW	Unspecified Ground Workings	1948	316006
U	380m N	Gasometer	1913	277819
U	381m N	Gas Works	1877	302809
U	401m N	Gasometer	1877	253617
AD	403m NE	Refuse Heap	1948	271808
AD	405m NE	Refuse Heap	1948	306918
U	405m N	Unspecified Tank	1897	252789
10	408m SW	Railway Sidings	1897	305753
11	410m W	Unspecified Pit	1980 - 1992	280295
AA	413m SW	Railway Sidings	1913	293065
12	420m NE	Unspecified Works	1980	253421
AE	422m SE	Unspecified Quarry	1897 - 1913	272354



ID	Location	Land use	Dates present	Group ID
AE	426m SE	Unspecified Ground Workings	1964 - 1992	274093
AE	431m SE	Unspecified Quarry	1948	286631
AE	431m SE	Unspecified Quarry	1913 - 1921	315066
AE	431m SE	Unspecified Heap	1948	287650
AD	433m N	Iron Foundry	1877	307960
AD	435m N	Iron Foundry	1897 - 1913	277316
AD	435m N	Iron Foundry	1948	296661
AG	436m W	Unspecified Ground Workings	1964 - 1992	274142
AG	438m W	Unspecified Old Quarry	1948	305786
AD	442m NE	Iron Foundry	1913 - 1921	304672
AF	442m N	Grave Yard	1877	256015
13	444m SE	Burial Ground	1877	264013
14	445m NE	Unspecified Works	1964 - 1966	276781
AG	446m NW	Unspecified Quarry	1913 - 1921	275336
AG	446m NW	Unspecified Heap	1948	315699
AG	449m NW	Unspecified Heap	1948	287116
AG	450m NW	Refuse Heap	1913	270891
AA	455m S	Unspecified Quarry	1913	274422
AA	455m S	Unspecified Quarry	1948	294707
AA	456m S	Unspecified Quarry	1913	287437
AA	456m SW	Railway Sidings	1913	312358
AA	456m S	Unspecified Quarry	1948	280467
AA	458m S	Unspecified Quarry	1964	286586
AA	459m S	Unspecified Quarry	1921	313226
AD	461m NE	Chimney	1980	264915
15	462m NW	Smithy	1877	265935
AF	464m N	Telephone Exchange	1980 - 1992	279540
16	467m E	Pumping House	1980 - 1992	303667



ID	Location	Land use	Dates present	Group ID
AG	468m NW	Unspecified Quarry	1897	281232
AG	472m NW	Unspecified Quarry	1913	275604
AG	473m NW	Refuse Heap	1913	270890
AH	485m E	Unspecified Quarry	1948	290847
17	486m NE	Railway Building	1964 - 1966	279682
AH	487m E	Unspecified Quarry	1921	273447
AH	497m E	Unspecified Quarry	1913	308874

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 ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
A	68m NW	Unspecified Tank	-	32969
F	81m SE	Unspecified Tank	1942	34429
F	136m S	Unspecified Tank	1877	36362
F	137m S	Unspecified Tank	1919	35433
D	139m NW	Unspecified Tank	1963	34426
D	140m NW	Unspecified Tank	-	32968
D	143m NW	Unspecified Tank	1941	34430
D	146m NW	Unspecified Tank	1942	34427
F	159m SE	Unspecified Tank	1963	34431
F	160m SE	Unspecified Tank	-	32972
F	161m SE	Unspecified Tank	1919 - 1942	35077



ID	Location	Land use	Dates present	Group ID
D	198m W	Unspecified Tank	1877	34425
P	208m N	Unspecified Tank	1942	34428
P	216m N	Unspecified Tank	1942	34304
U	372m N	Gas Works	1878 - 1898	36173
Z	372m SW	Tanks	1941	34893
J	378m NE	Unspecified Tank	1972 - 1984	35795
J	379m NE	Unspecified Tank	-	32966
AB	379m NE	Unspecified Tank	1942	34305
U	380m N	Unspecified Tank	1942 - 1963	35702
U	384m N	Gasholder Station	1973	34483
U	395m N	Gasometer	1878	34559
U	396m N	Unspecified Tank	1963	34306
U	396m N	Gas Holder	1973	34940
U	400m N	Gasometer	1898	34558

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

37

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

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

ID	Location	Land use	Dates present	Group ID
A	61m N	Electricity Substation	1972 - 1989	18602
D	128m W	Electricity Substation	1998	17608
D	159m W	Electricity Substation	1998	17610
M	228m SW	Electricity Substation	1998	17607



ID	Location	Land use	Dates present	Group ID
T	262m NW	Electricity Substation	-	17298
T	262m NW	Electricity Substation	1972 - 1998	18225
T	270m NW	Electricity Substation	1984 - 1989	18206
R	280m NE	Electricity Substation	1984 - 1989	18872
R	282m NE	Electricity Substation	-	17301
R	286m NE	Electricity Substation	1994 - 1998	18381
R	286m NE	Electricity Substation	1972	18072
V	304m NE	Electricity Substation	1984 - 1994	18034
V	304m NE	Electricity Substation	1998	18142
V	313m NE	Electricity Substation	1972	18159
R	319m NE	Electricity Substation	1988	18504
R	319m NE	Electricity Substation	1989	18558
R	322m NE	Electricity Substation	1998	17863
R	322m NE	Electricity Substation	1994	18218
R	322m NE	Electricity Substation	1972	18594
U	344m N	Electricity Substation	1989	18388
8	346m NW	Electricity Substation	1998	17581
Y	348m SE	Electricity Substation	1972	18682
Y	349m SE	Electricity Substation	1984 - 1989	18007
Y	350m SE	Electricity Substation	-	17302
Y	350m SE	Electricity Substation	1994 - 1998	18256
U	362m N	Electricity Substation	1993 - 1994	17761
U	372m N	Gas Works	1878 - 1898	18619
9	378m W	Electricity Substation	1998	17609
U	384m N	Gasholder Station	1973	17638
AC	390m S	Electricity Substation	1988 - 1998	18214
AC	392m S	Electricity Substation	1972	18770
U	395m N	Gasometer	1878	17743



ID	Location	Land use	Dates present	Group ID
U	396m N	Gas Holder	1973	17755
U	400m N	Gasometer	1898	17742
AB	411m NE	Electricity Substation	1988 - 1989	18479
AB	412m NE	Electricity Substation	1972	18630
AB	413m NE	Electricity Substation	1994 - 1998	18661

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

9

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

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

ID	Location	Land use	Dates present	Group ID
W	318m NW	Garage	1998	5940
W	319m NW	Garage	1984 - 1989	6532
W	322m NW	Garage	1960 - 1963	6220
W	331m NW	Garage	1972	6149
AF	423m N	Garage	1989	6524
AF	425m N	Garage	1993 - 1994	6216



ID	Location	Land use	Dates present	Group ID
AF	436m N	Garage	1963	6002
AF	445m N	Garage	1973	6034
18	491m W	Garage	1989 - 1998	6539

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

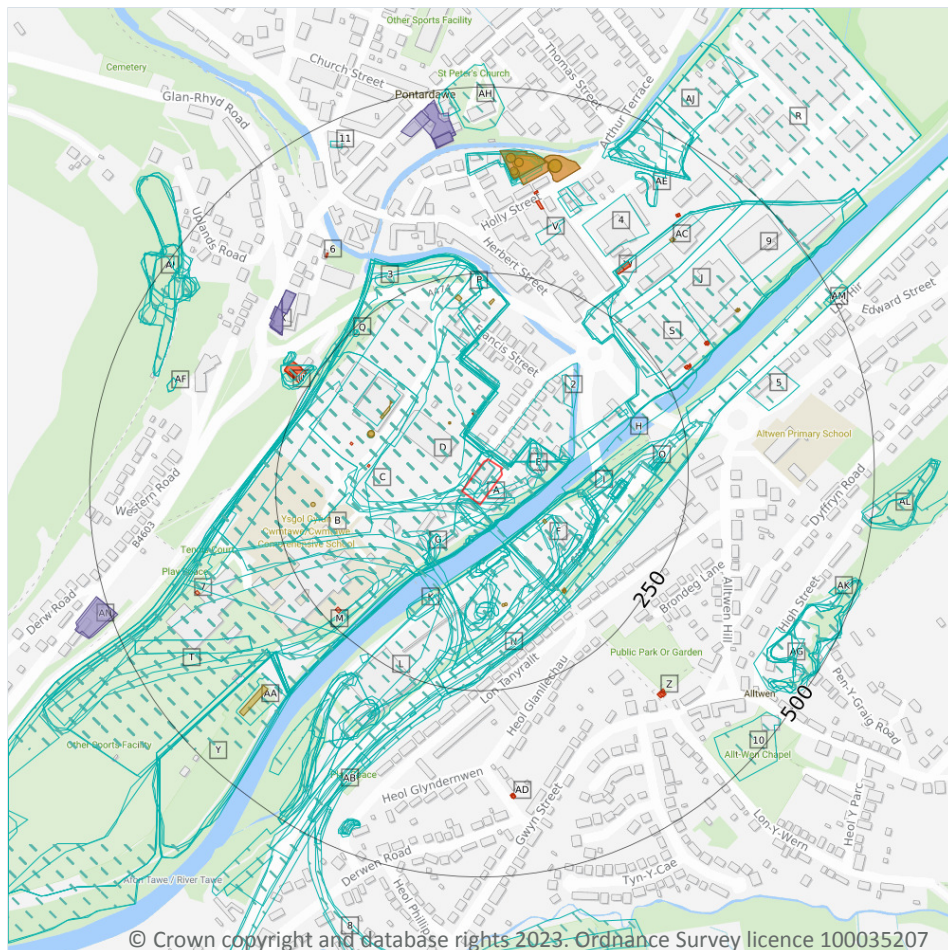
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

235

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 26**

ID	Location	Land Use	Date	Group ID
A	On site	Refuse Heap	1897	303306
A	On site	Unspecified Heap	1966	310763
A	On site	Refuse Heap	1921	289012



ID	Location	Land Use	Date	Group ID
B	On site	Steel and Tin Plate Works	1948	312686
B	On site	Railway Sidings	1948	296437
B	On site	Railway Sidings	1966	306630
B	On site	Unspecified Works	1966	311213
B	On site	Unspecified Works	1964	311213
B	On site	Railway Sidings	1964	289051
B	On site	Steel and Tin Plate Works	1948	274833
B	On site	Railway Sidings	1948	287577
C	On site	Railway Sidings	1913	314371
C	On site	Railway Sidings	1897	305862
C	On site	Steel and Tin Plate Works	1913	291178
C	On site	Railway Sidings	1913	311548
C	On site	Railway Sidings	1921	314371
C	On site	Steel and Tin Plate Works	1921	291178
D	On site	Industrial Estate	1980	256226
D	On site	Unspecified Works	1992	277383
A	2m SW	Unspecified Heap	1948	313568
A	2m SW	Unspecified Heap	1948	313568
C	10m S	Tramway Sidings	1877	256848
E	33m E	Refuse Heap	1921	278568
E	34m NE	Unspecified Heap	1913	260134
E	35m E	Refuse Heap	1913	278568
E	36m E	Unspecified Pit	1913	268484
F	59m S	Chemical Works	1877	292814
F	61m SE	Unspecified Works	1964	253419
F	62m S	Chemical Works	1897	296059
F	62m S	Railway Sidings	1897	290557
F	62m S	Unspecified Heap	1897	285097



ID	Location	Land Use	Date	Group ID
F	62m SE	Chemical Works	1948	310162
F	62m SE	Chemical Works	1913	296059
F	63m SE	Chemical Works	1948	274052
F	63m S	Unspecified Heap	1948	309382
F	63m S	Unspecified Heap	1948	309382
F	63m S	Coal Level	1913	276175
F	63m S	Unspecified Heap	1966	309382
F	63m S	Unspecified Heap	1964	309382
F	64m SE	Chemical Works	1913	309602
G	65m SW	Unspecified Ground Workings	1913	285432
G	66m SW	Unspecified Ground Workings	1948	317801
G	66m SW	Unspecified Ground Workings	1948	317801
1	67m SE	Railway Sidings	1921	303483
F	67m SE	Chemical Works	1921	310162
G	73m SW	Unspecified Heap	1897	260136
H	82m E	Refuse Heap	1964	270893
F	84m SE	Railway Sidings	1948	293009
F	85m S	Unspecified Ground Workings	1897	312415
F	86m S	Coal Level	1913	289981
F	87m S	Coal Level	1921	312191
F	99m S	Refuse Heap	1913	284428
F	107m S	Refuse Heap	1913	303859
I	110m E	Flour Mill	1877	255872
I	111m E	Railway Station	1877	265217
F	112m E	Railway Sidings	1966	310589
C	114m NW	Steel and Tin Plate Works	1897	275681
J	114m NE	Railway Sidings	1964	285087
I	119m E	Railway Sidings	1964	317148



ID	Location	Land Use	Date	Group ID
2	120m NE	Unspecified Heap	1897	260133
I	125m E	Railway Sidings	1948	306130
I	125m E	Railway Sidings	1913	281582
K	127m S	Unspecified Heap	1992	315556
F	127m SE	Unspecified Ground Workings	1948	315821
F	127m SE	Unspecified Ground Workings	1913	299856
F	127m SE	Unspecified Ground Workings	1897	299856
I	128m E	Unspecified Heap	1897	260135
L	130m S	Refuse Heap	1921	299209
F	131m S	Refuse Heap	1948	274531
F	131m S	Refuse Heap	1948	274531
F	132m S	Unspecified Ground Workings	1966	299328
L	134m SW	Refuse Heap	1913	295442
F	138m S	Refuse Heap	1964	296338
C	139m NW	Chimney	1966	264916
K	142m SW	Unspecified Heap	1980	302189
K	142m SW	Unspecified Heap	1966	302189
C	143m NW	Electric Substation	1992	258885
L	144m E	Railway Sidings	1948	272178
C	144m W	Tin and Plate Works	1877	254737
I	145m E	Goods Shed	1966	283616
I	145m E	Goods Shed	1964	283616
I	147m E	Goods Shed	1948	302762
I	149m E	Goods Shed	1948	271720
I	149m E	Goods Shed	1913	294547
I	149m E	Goods Shed	1913	315359
I	150m E	Goods Shed	1921	315359
M	162m SW	Unspecified Ground Workings	1964	266444



ID	Location	Land Use	Date	Group ID
N	162m SE	Railway Sidings	1948	305246
N	162m SE	Railway Sidings	1913	305095
H	171m NE	Smithy	1877	265934
I	183m E	Railway Building	1897	256680
J	187m NE	Unspecified Mills	1964	260303
J	189m NE	Sheet Mills	1948	285794
J	191m NE	Railway Sidings	1948	301764
J	191m NE	Sheet Mills	1948	285794
O	197m E	Railway Building	1966	256681
O	197m E	Railway Station	1964	275575
O	197m E	Railway Station	1948	299467
O	200m E	Railway Station	1921	309856
O	201m E	Railway Station	1948	309856
O	201m E	Railway Station	1913	309856
O	206m E	Railway Station	1897	300984
P	207m N	Refuse Heap	1913	270892
J	229m NE	Railway Sidings	1948	296411
P	230m N	Unspecified Pit	1964	268479
O	237m E	Railway Building	1966	315946
O	237m E	Railway Building	1964	315946
Q	239m NW	Chimney	1966	264917
R	239m NE	Industrial Estate	1980	312454
R	239m NE	Industrial Estate	1992	312454
S	239m NE	Unspecified Works	1980	253418
Q	243m NW	Lime Kiln	1877	265139
T	249m SW	Steel and Tin Plate Works	1913	295653
L	251m SW	Unspecified Disused Level	1980	251143
U	255m NW	Unspecified Ground Workings	1948	300316



ID	Location	Land Use	Date	Group ID
U	258m NW	Unspecified Heap	1948	311375
U	258m NW	Unspecified Heap	1948	311375
U	259m NW	Unspecified Ground Workings	1964	300316
L	260m S	Old Coal Level	1921	297088
3	268m NW	Unspecified Heap	1913	260130
L	283m SW	Refuse Heap	1948	318155
L	284m SW	Unspecified Ground Workings	1948	312604
L	284m SW	Unspecified Ground Workings	1948	312604
U	286m NW	Unspecified Pit	1948	305330
L	287m SW	Unspecified Ground Workings	1964	291902
U	288m NW	Unspecified Pit	1948	286262
U	288m NW	Unspecified Pit	1948	286262
L	288m SW	Unspecified Ground Workings	1992	274859
U	289m NW	Unspecified Pit	1964	292370
L	291m S	Old Coal Level	1948	304490
L	291m S	Old Coal Level	1948	289253
L	295m SW	Old Coal Level	1948	285530
V	297m N	Fire Station	1966	263918
L	299m SW	Unspecified Pit	1980	314672
L	299m SW	Unspecified Pit	1966	314672
L	306m SW	Refuse Heap	1964	289873
L	306m SW	Old Coal Level	1913	311861
L	307m SW	Old Coal Level	1913	311861
4	315m NE	Bus Depot	1966	265464
L	323m S	Unspecified Disused Level	1964	251140
J	326m NE	Unspecified Factory	1980	253214
Y	329m SW	Sewage Works	1913	311194
L	330m SW	Refuse Heap	1921	318155



ID	Location	Land Use	Date	Group ID
Y	331m SW	Sewage Works	1948	294862
Y	332m SW	Sewage Works	1913	311194
Y	335m SW	Sewage Works	1948	310093
Y	335m SW	Sewage Works	1948	310093
V	343m N	Printing Works	1921	300251
5	344m E	Smithy	1877	265933
T	346m SW	Cuttings	1966	300830
T	346m SW	Cuttings	1964	300830
V	351m N	Printing Works	1913	300251
AA	361m SW	Sewage Works	1921	317866
V	364m N	Printing Works	1913	258686
V	368m N	Gas Works	1921	314811
AB	369m SW	Railway Sidings	1948	290271
V	372m N	Gasometer	1921	300756
V	373m N	Gas Works	1948	316985
V	376m N	Gasometer	1948	276943
V	376m N	Gas Works	1913	314811
V	376m N	Gas Works	1948	298710
V	376m N	Gas Works	1913	274333
AB	376m SW	Unspecified Ground Workings	1948	316006
V	379m N	Gasometer	1948	276943
V	380m N	Gasometer	1913	277819
V	380m N	Gasometer	1913	277819
V	381m N	Gas Works	1877	302809
V	401m N	Gasometer	1877	253617
AE	403m NE	Refuse Heap	1948	271808
AE	405m NE	Refuse Heap	1948	306918
AE	405m NE	Refuse Heap	1948	306918



ID	Location	Land Use	Date	Group ID
V	405m N	Unspecified Tank	1897	252789
8	408m SW	Railway Sidings	1897	305753
AF	410m W	Unspecified Pit	1980	280295
AF	410m W	Unspecified Pit	1992	280295
AB	413m SW	Railway Sidings	1913	293065
9	420m NE	Unspecified Works	1980	253421
AG	422m SE	Unspecified Quarry	1897	272354
AG	426m SE	Unspecified Ground Workings	1980	274093
AG	426m SE	Unspecified Ground Workings	1992	274093
AG	426m SE	Unspecified Ground Workings	1966	274093
AG	426m SE	Unspecified Ground Workings	1964	274093
AG	431m SE	Unspecified Quarry	1948	286631
AG	431m SE	Unspecified Quarry	1913	315066
AG	431m SE	Unspecified Quarry	1913	272354
AG	431m SE	Unspecified Heap	1948	287650
AG	431m SE	Unspecified Heap	1948	287650
AE	433m N	Iron Foundry	1877	307960
AE	435m N	Iron Foundry	1948	296661
AE	435m N	Iron Foundry	1913	277316
AE	435m N	Iron Foundry	1897	277316
AI	436m W	Unspecified Ground Workings	1966	274142
AI	436m W	Unspecified Ground Workings	1964	274142
AE	438m N	Iron Foundry	1948	296661
AI	438m W	Unspecified Old Quarry	1948	305786
AG	441m SE	Unspecified Quarry	1948	286631
AE	442m NE	Iron Foundry	1921	304672
AH	442m N	Grave Yard	1877	256015
AG	443m SE	Unspecified Quarry	1921	315066



ID	Location	Land Use	Date	Group ID
10	444m SE	Burial Ground	1877	264013
AJ	445m NE	Unspecified Works	1964	276781
AI	446m NW	Unspecified Quarry	1913	275336
AI	446m NW	Unspecified Heap	1948	315699
AJ	447m N	Unspecified Works	1966	276781
AI	449m NW	Unspecified Heap	1948	287116
AI	449m NW	Unspecified Heap	1948	287116
AI	449m NW	Unspecified Quarry	1921	275336
AE	450m NE	Iron Foundry	1913	304672
AI	450m NW	Refuse Heap	1913	270891
AI	452m NW	Unspecified Ground Workings	1980	274142
AI	452m NW	Unspecified Ground Workings	1992	274142
AB	455m S	Unspecified Quarry	1913	274422
AB	455m S	Unspecified Quarry	1948	294707
AB	456m S	Unspecified Quarry	1913	287437
AB	456m SW	Railway Sidings	1913	312358
AB	456m S	Unspecified Quarry	1948	280467
AB	458m S	Unspecified Quarry	1964	286586
AB	459m S	Unspecified Quarry	1921	313226
AE	461m NE	Chimney	1980	264915
11	462m NW	Smithy	1877	265935
AH	464m N	Telephone Exchange	1980	279540
AH	464m N	Telephone Exchange	1992	279540
AK	467m E	Pumping House	1980	303667
AK	467m E	Pumping House	1992	303667
AI	468m NW	Unspecified Quarry	1897	281232
AI	472m NW	Unspecified Quarry	1913	275604
AI	473m NW	Refuse Heap	1913	270890



ID	Location	Land Use	Date	Group ID
AI	474m NW	Unspecified Old Quarry	1948	305786
AL	485m E	Unspecified Quarry	1948	290847
AM	486m NE	Railway Building	1964	279682
AL	487m E	Unspecified Quarry	1921	273447
AM	490m NE	Railway Building	1966	279682
AL	497m E	Unspecified Quarry	1913	308874
AL	497m E	Unspecified Quarry	1948	290847
AL	497m E	Unspecified Quarry	1913	308874

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

29

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 26**

ID	Location	Land Use	Date	Group ID
D	68m NW	Unspecified Tank	-	32969
F	81m SE	Unspecified Tank	1942	34429
F	136m S	Unspecified Tank	1877	36362
F	137m S	Unspecified Tank	1919	35433
C	139m NW	Unspecified Tank	1963	34426
C	140m NW	Unspecified Tank	-	32968
C	143m NW	Unspecified Tank	1941	34430
C	146m NW	Unspecified Tank	1942	34427
F	159m SE	Unspecified Tank	1963	34431
F	160m SE	Unspecified Tank	-	32972
F	161m SE	Unspecified Tank	1919	35077
F	161m SE	Unspecified Tank	1942	35077



ID	Location	Land Use	Date	Group ID
C	198m W	Unspecified Tank	1877	34425
P	208m N	Unspecified Tank	1942	34428
P	216m N	Unspecified Tank	1942	34304
V	372m N	Gas Works	1878	36173
AA	372m SW	Tanks	1941	34893
V	378m N	Gas Works	1898	36173
J	378m NE	Unspecified Tank	1984	35795
J	379m NE	Unspecified Tank	1972	35795
J	379m NE	Unspecified Tank	-	32966
AC	379m NE	Unspecified Tank	1942	34305
V	380m N	Unspecified Tank	1942	35702
V	383m N	Unspecified Tank	1963	35702
V	384m N	Gasholder Station	1973	34483
V	395m N	Gasometer	1878	34559
V	396m N	Unspecified Tank	1963	34306
V	396m N	Gas Holder	1973	34940
V	400m N	Gasometer	1898	34558

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

62

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. 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 26**

ID	Location	Land Use	Date	Group ID
D	61m N	Electricity Substation	1972	18602
D	62m N	Electricity Substation	1984	18602
D	62m N	Electricity Substation	1988	18602



ID	Location	Land Use	Date	Group ID
D	62m N	Electricity Substation	1989	18602
C	128m W	Electricity Substation	1998	17608
C	159m W	Electricity Substation	1998	17610
M	228m SW	Electricity Substation	1998	17607
U	262m NW	Electricity Substation	-	17298
U	262m NW	Electricity Substation	1994	18225
U	262m NW	Electricity Substation	1998	18225
U	263m NW	Electricity Substation	1972	18225
U	263m NW	Electricity Substation	1972	18225
U	270m NW	Electricity Substation	1984	18206
U	270m NW	Electricity Substation	1988	18206
U	270m NW	Electricity Substation	1989	18206
S	280m NE	Electricity Substation	1984	18872
S	280m NE	Electricity Substation	1988	18872
S	280m NE	Electricity Substation	1989	18872
S	282m NE	Electricity Substation	-	17301
S	286m NE	Electricity Substation	1994	18381
S	286m NE	Electricity Substation	1998	18381
S	286m NE	Electricity Substation	1972	18072
W	304m NE	Electricity Substation	1994	18034
W	304m NE	Electricity Substation	1998	18142
W	313m NE	Electricity Substation	1984	18034
W	313m NE	Electricity Substation	1988	18034
W	313m NE	Electricity Substation	1989	18034
W	313m NE	Electricity Substation	1972	18159
S	319m NE	Electricity Substation	1988	18504
S	319m NE	Electricity Substation	1989	18558
S	322m NE	Electricity Substation	1994	18218



ID	Location	Land Use	Date	Group ID
S	322m NE	Electricity Substation	1998	17863
S	322m NE	Electricity Substation	1972	18594
V	344m N	Electricity Substation	1989	18388
V	344m N	Electricity Substation	1989	18388
6	346m NW	Electricity Substation	1998	17581
Z	348m SE	Electricity Substation	1972	18682
Z	349m SE	Electricity Substation	1984	18007
Z	349m SE	Electricity Substation	1988	18007
Z	349m SE	Electricity Substation	1989	18007
Z	350m SE	Electricity Substation	-	17302
Z	350m SE	Electricity Substation	1994	18256
Z	350m SE	Electricity Substation	1998	18256
V	362m N	Electricity Substation	1994	17761
V	362m N	Electricity Substation	1993	17761
V	372m N	Gas Works	1878	18619
V	378m N	Gas Works	1898	18619
7	378m W	Electricity Substation	1998	17609
V	384m N	Gasholder Station	1973	17638
AD	390m S	Electricity Substation	1988	18214
AD	390m S	Electricity Substation	1989	18214
AD	391m S	Electricity Substation	1994	18214
AD	391m S	Electricity Substation	1998	18214
AD	392m S	Electricity Substation	1972	18770
V	395m N	Gasometer	1878	17743
V	396m N	Gas Holder	1973	17755
V	400m N	Gasometer	1898	17742
AC	411m NE	Electricity Substation	1988	18479
AC	411m NE	Electricity Substation	1989	18479



ID	Location	Land Use	Date	Group ID
AC	412m NE	Electricity Substation	1972	18630
AC	413m NE	Electricity Substation	1994	18661
AC	413m NE	Electricity Substation	1998	18661

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

14

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 26**

ID	Location	Land Use	Date	Group ID
X	318m NW	Garage	1998	5940
X	319m NW	Garage	1989	6532
X	319m NW	Garage	1984	6532
X	322m NW	Garage	1960	6220
X	331m NW	Garage	1963	6220
X	331m NW	Garage	1972	6149
AH	423m N	Garage	1989	6524
AH	423m N	Garage	1989	6524
AH	425m N	Garage	1993	6216
AH	425m N	Garage	1994	6216

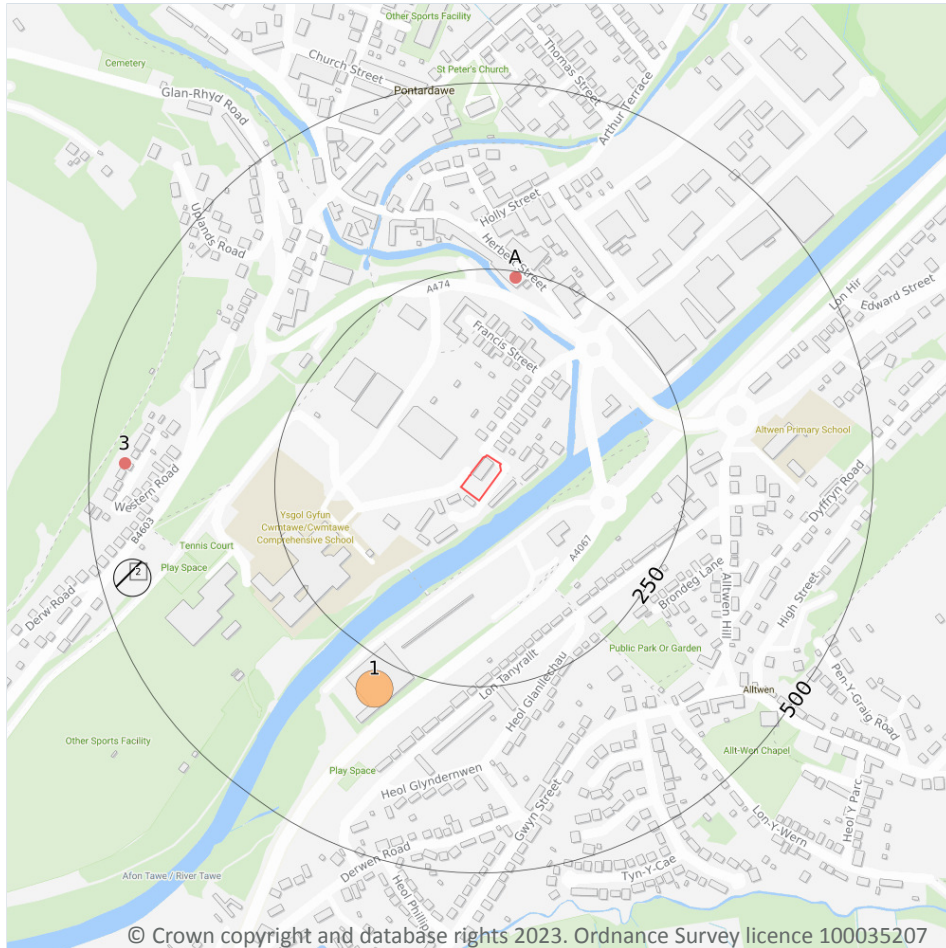


ID	Location	Land Use	Date	Group ID
AH	436m N	Garage	1963	6002
AH	445m N	Garage	1973	6034
AN	491m W	Garage	1998	6539
AN	493m W	Garage	1989	6539

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 41**

ID	Location	Details		
2	432m W	Site Address: Danygraig House Licence Holder Address: -	Waste Licence: Yes Site Reference: 1/84 Waste Type: Inert, Industrial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 31/12/1984 Licence Surrender: -	Operator: - Licence Holder: W H Edwards First Recorded 23/03/1984 Last Recorded: 30/06/1986

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

3.5 Historical waste sites

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 41**

ID	Location	Address	Further Details	Date
1	264m SW	Site Address: River Tawe Rear Of Tesco Super, From Glais To Pontardawe, Swansea, West Glamorgan, SA8 3AZ	Type of Site: Sewer Treatment Works Planning application reference: P2013/0046 Description: Scheme comprises installation of above ground sewer connecting to pipe bridge across river. Data source: Historic Planning Application Data Type: Point	29/08/2013

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



3.6 Licensed waste sites

Records within 500m

0

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

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

3.7 Waste exemptions

Records within 500m

4

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 41**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	242m N	A & M TRANSPORT, 73 HERBERT STREET, PONTARDAWE, SWANSEA, SA8 4ED	NRW-WME073793	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	242m N	Rico Logistics, Phil Thomas Opticians, 73 Herbert Street, Pontardawe, Swansea, Castell-nedd Port Talbot, SA8 4ED	NRW-WME053380	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	242m N	Rico Logistics, A & M Transport, 73 Herbert Street, Pontardawe, Swansea, SA84ED	NRW-WME024370	Storing waste exemption	Not on a farm	Storage of waste in a secure place
3	453m W	45 Western Road, Pontardawe, Swansea, Castell-nedd Port Talbot, SA8 4AJ	NRW-WME074169	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



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

4

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Company	Address	Activity	Category
A	114m SE	Tesco Petrol Station	Tescos Petrol Filling Station, Pontardawe, West Glamorgan, SA8 3AZ	Petrol and Fuel Stations	Road and Rail
A	119m SE	Tesco Pontardawe	Gwyns Dryft, Pontardawe, Neath, West Glamorgan, SA8	Vehicle Cleaning Services	Personal, Consumer and Other Services
5	157m W	Electricity Sub Station	West Glamorgan, SA8	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
8	227m SW	Electricity Sub Station	West Glamorgan, SA8	Electrical Features	Infrastructure and Facilities

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 44**

ID	Location	Company	Address	LPG	Status
3	104m SE	TESCO	Gwyns Dryft, Pontardawe, Neath, Neath Port Talbot, SA8 3AZ	No	Open
11	354m NW	UNBRANDED	Swansea Road, Pontardawe, Neath, Neath Port Talbot, SA8 4AL	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

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

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
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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

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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



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

Records within 500m

2

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

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Address	Details	
A	110m SE	Tesco Stores Limited, Tesco Petrol Filling Station, Gwyn's Drift, Pontardawe, SA8 4BZ	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No enforcements issued Date of enforcement: No enforcements issued Comment: No enforcements issued
12	479m W	D. W. M. Ltd, Avenue Garage, Swansea Road, Pontardawe, SA8 4AA	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No enforcements issued Date of enforcement: No enforcements issued Comment: No enforcements issued

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

14

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 44**

ID	Location	Address	Details	
4	105m E	SWANSEA VALLEY A4067 GLAIS TO PONTA, SWANSEA VALLEY A4067 GLAIS TO PO, A4067 GLAIS TO PONTARDAWE OUTFAL, GLAIS TO PONTARDAWE OUTFALL B, OUTFALL B	Effluent Type: UNSPECIFIED Permit Number: BP0032202 Permit Version: 1 Receiving Water: RIVER TAWNE	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 01/12/1986 Effective Date: 01/12/1986 Revocation Date: 02/11/1992



ID	Location	Address	Details	
6	157m NE	SWANSEA VALLEY A4067 GLAIS TO PONTA, SWANSEA VALLEY A4067 GLAIS TO PO, A4067 GLAIS TO PONTARDAWE OUTFAL, GLAIS TO PONTARDAWE OUTFALL C, OUTFALL C	Effluent Type: UNSPECIFIED Permit Number: BP0032203 Permit Version: 1 Receiving Water: UPPER CLYDACH	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 01/12/1986 Effective Date: 01/12/1986 Revocation Date: 02/11/1992
C	178m E	SWO ALLOY INDUSTRIAL SITE SOC 19, SOC 19	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BW2302901 Permit Version: 1 Receiving Water: RIVER TAWE	Status: Surrendered Issue date: 22/07/1966 Effective Date: 22/07/1966 Revocation Date: -
C	202m NE	PONTARDAWE 2 TO R TAWE CSO SWANSEA, PONTARDAWE NO 2 INTO R TAWE CSO, TREBANOS, Swansea	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BC0016801 Permit Version: 2 Receiving Water: RIVER TAWE	Status: Effective Issue date: 21/03/2007 Effective Date: 31/03/2007 Revocation Date: -
C	236m NE	SSO PONTARDAWE NO. 2 SWANSEA	Effluent Type: UNSPECIFIED Permit Number: BC0016801 Permit Version: 1 Receiving Water: RIVER TAWE	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 22/07/1966 Effective Date: 22/07/1966 Revocation Date: 30/03/2007
9	254m NE	Pontardawe 2 To R Tawe CSO Swansea, In car park End of Tawe Terrace, Pontardawe, Swansea, SA8 4EP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BC0016801 Permit Version: 3 Receiving Water: River Tawe	Status: Effective Issue date: 21/10/2019 Effective Date: 21/10/2019 Revocation Date: -
E	301m N	DILWYN ARMS PONTARDAWE CROSS NPT, DILWYN ARMS, PONTARDAWE CROSS, NEATH PORT TALBOT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0343601 Permit Version: 2 Receiving Water: UPPER CLYDACH	Status: Effective Issue date: 06/03/2009 Effective Date: 31/03/2009 Revocation Date: -
E	303m N	CSO at Dilwyn Arms Pontardawe Cross NPT, Pat Chowan Court Herbert Street, Pontardawe, Swansea, SA8 4EA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0343601 Permit Version: 4 Receiving Water: UPPER CLYDACH	Status: Effective Issue date: 21/10/2019 Effective Date: 25/10/2019 Revocation Date: -



ID	Location	Address	Details	
F	408m SW	Pontardawe Leis Centre CSO Swansea, Rear Pontardawe Leisure Centre Ynysderw Road, Pontardawe, Swansea, SA8 4EG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BW4108701 Permit Version: 4 Receiving Water: AFON TAWE	Status: Effective Issue date: 21/10/2019 Effective Date: 21/10/2019 Revocation Date: -
E	411m NW	DILWYN ARMS PONTARDAWE CROSS NPT, DILWYN ARMS, PONTARDAWE CROSS, NEATH PORT TALBOT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0343601 Permit Version: 1 Receiving Water: UPPER CLYDACH	Status: CONSENTS WITHOUT APPLICATION (WRA 91, SCHED 10) Issue date: 07/03/2005 Effective Date: 31/03/2008 Revocation Date: 30/03/2009
F	414m SW	PONTARDAWE LEIS CENTRE CSO SWANSEA, PONTARRDAWE LEISURE CENTRE, YNYSDERW ROAD, TREBANOS, Swansea, SA8 4EG	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BW4108701 Permit Version: 3 Receiving Water: RIVER TAWE	Status: Effective Issue date: 21/03/2007 Effective Date: 31/03/2007 Revocation Date: -
H	462m SW	SWO. ALLTWEN (SOC 18)	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BW2303001 Permit Version: 1 Receiving Water: RIVER TAWE	Status: Surrendered Issue date: 22/07/1966 Effective Date: 22/07/1966 Revocation Date: -
H	462m SW	100M D/S PONTARDAWE LEIS CENTRE NPT, 100M D/S PONTARDAWE LEISURE CENT, PONTARDAWE, NEATH PORT TALBOT	Effluent Type: UNSPECIFIED Permit Number: BW4108701 Permit Version: 1 Receiving Water: RIVER TAWE	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 20/10/1989 Effective Date: 20/10/1989 Revocation Date: 06/03/2005
H	462m SW	100M D/S PONTARDAWE LEIS CENTRE NPT, 100M D/S PONTARDAWE LEISURE CENT, PONTARDAWE, NEATH PORT TALBOT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BW4108701 Permit Version: 2 Receiving Water: RIVER TAWE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/03/2005 Effective Date: 07/03/2005 Revocation Date: 30/03/2007

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**22**

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 44**

ID	Location	Details	
1	41m S	Incident Date: 14/04/2003 Incident Identification: 150829 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2	98m S	Incident Date: 06/03/2015 Incident Identification: 1318611 Pollutant: Contaminated Water Pollutant Description: Minewater	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	137m S	Incident Date: 30/04/2001 Incident Identification: 3845 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	155m S	Incident Date: 20/02/2014 Incident Identification: 1210468 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	169m NE	Incident Date: 21/04/2002 Incident Identification: 73423 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	172m E	Incident Date: 05/09/2001 Incident Identification: 29022 Pollutant: Organic Chemicals/Products Pollutant Description: Hydrocarbons	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	185m E	Incident Date: 18/11/2002 Incident Identification: 121583 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	186m E	Incident Date: 02/02/2003 Incident Identification: 134518 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7	206m NE	Incident Date: 05/06/2003 Incident Identification: 163429 Pollutant: Sewage Materials Pollutant Description: Other Sewage Material	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	264m S	Incident Date: 27/07/2016 Incident Identification: 1604228 Pollutant: - Pollutant Description: -	Water Impact: No Details Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
D	264m S	Incident Date: 27/07/2016 Incident Identification: 1604228 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: No Details Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	306m NW	Incident Date: 23/07/2013 Incident Identification: 1137649 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	315m NW	Incident Date: 05/06/2002 Incident Identification: 82907 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
10	329m SW	Incident Date: 02/08/2001 Incident Identification: 21349 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	334m NW	Incident Date: 13/04/2002 Incident Identification: 71242 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	375m NW	Incident Date: 20/12/2001 Incident Identification: 49193 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	404m SW	Incident Date: 05/03/2003 Incident Identification: 141068 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	441m NW	Incident Date: 28/09/2002 Incident Identification: 111149 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	441m NW	Incident Date: 28/09/2002 Incident Identification: 111149 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	441m NW	Incident Date: 12/11/2001 Incident Identification: 42351 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
G	451m E	Incident Date: 09/05/2001 Incident Identification: 4951 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
G	451m E	Incident Date: 09/05/2001 Incident Identification: 4951 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) 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

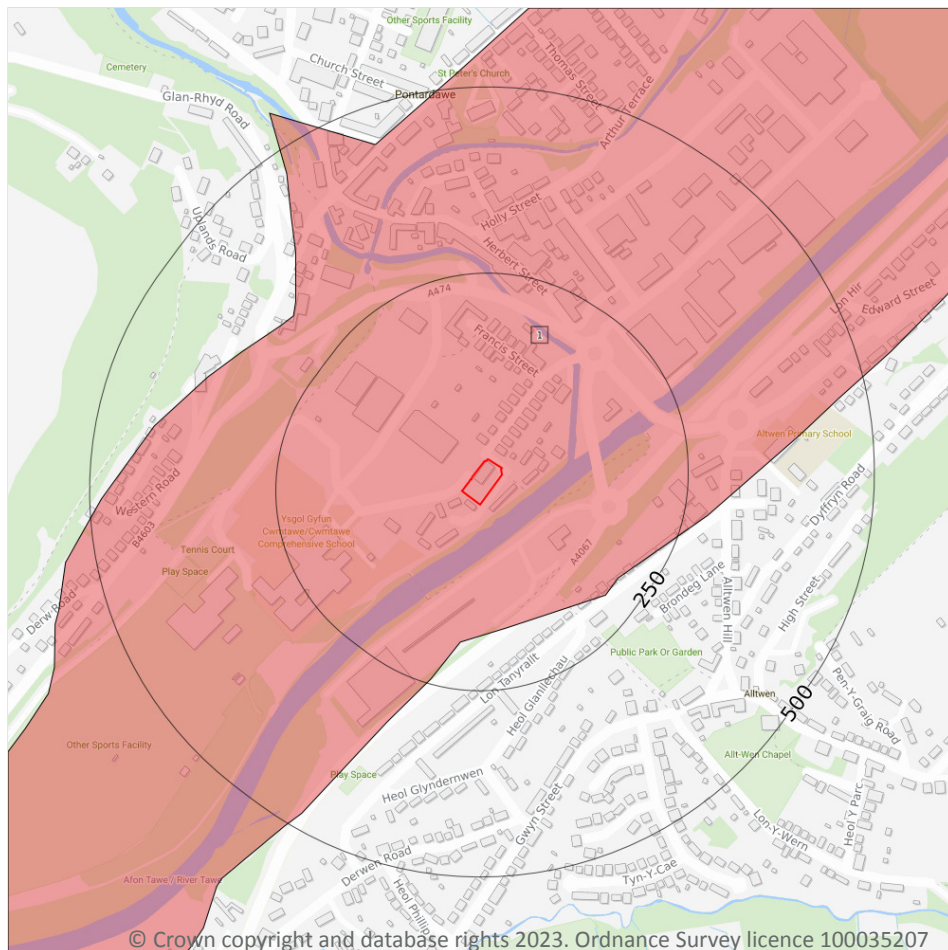
0

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

1

Aquifer status of groundwater held within superficial geology.

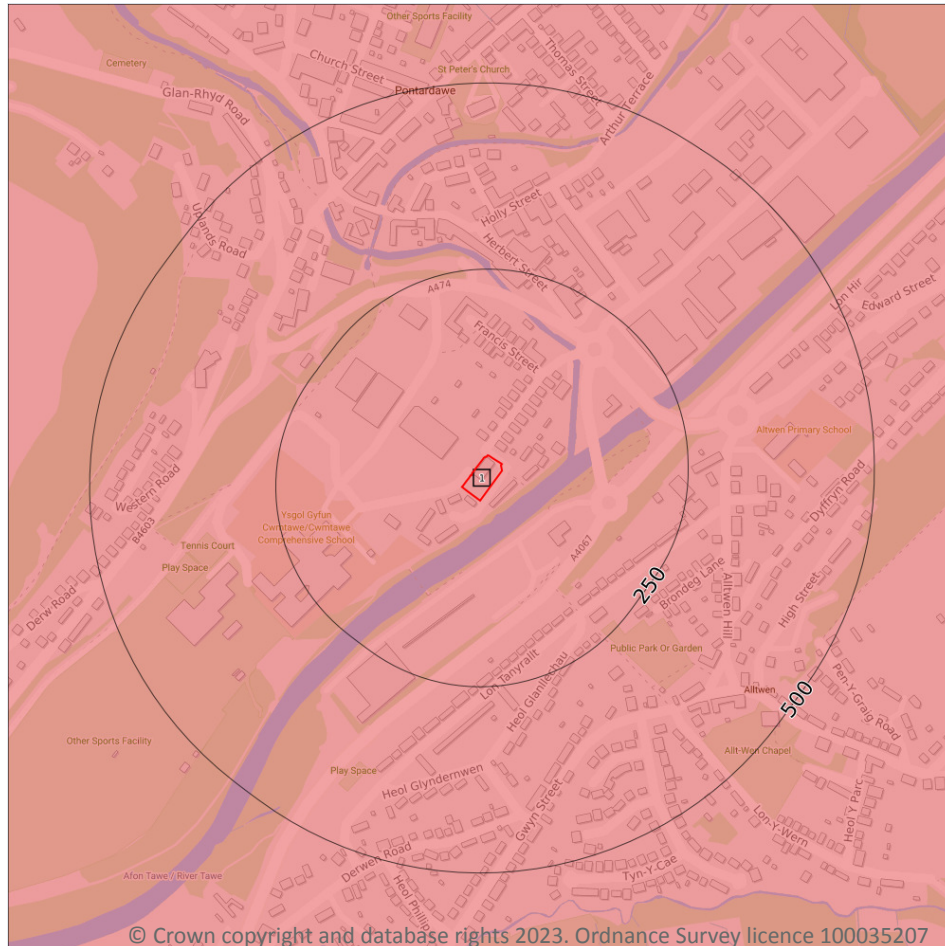
Features are displayed on the Hydrogeology map on **page 54**

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

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



Bedrock aquifer



— Site Outline

Search buffers in metres (m)

 Principal

Secondary A

Secondary B

Secondary Undifferentiated

□ Unproductive

5.2 Bedrock aquifer

Records within 500m

1

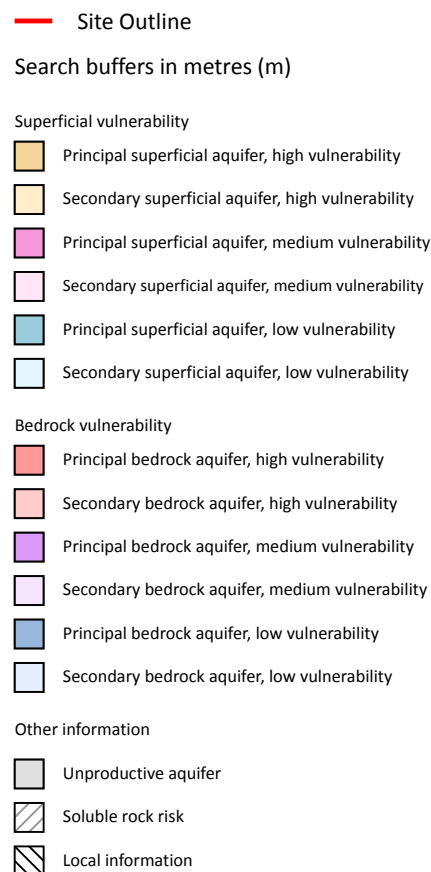
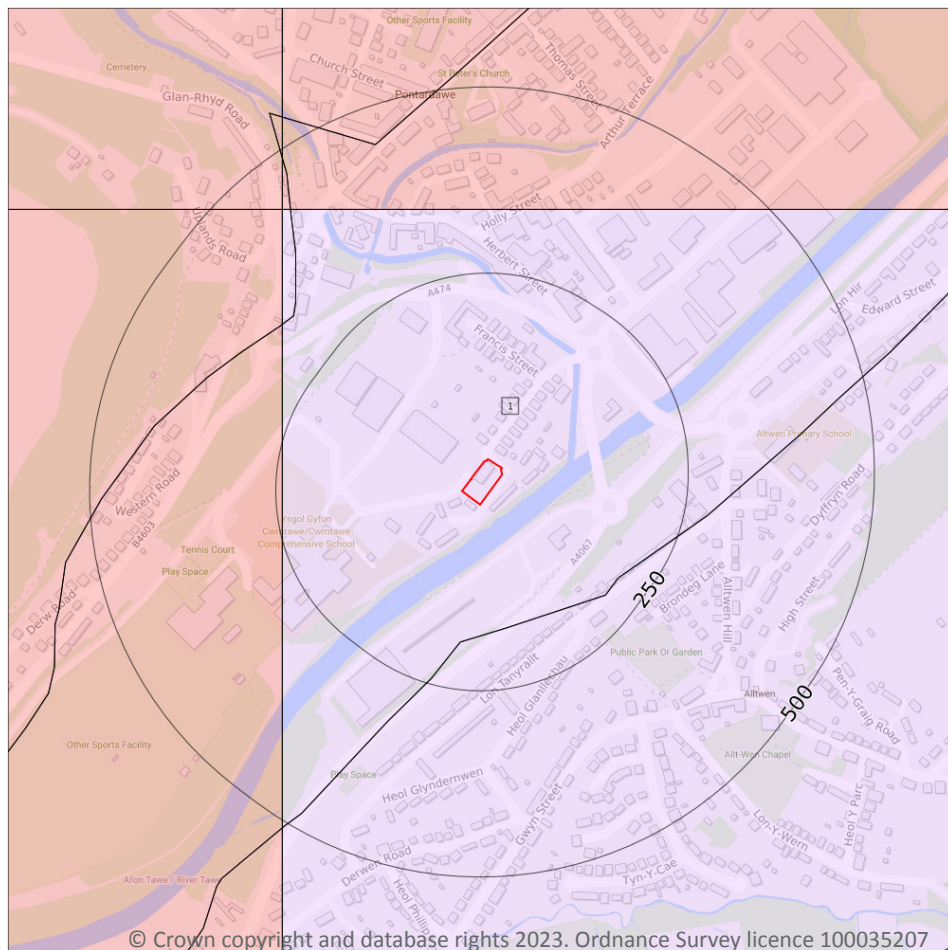
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 55**

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

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

1

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 56**



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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

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

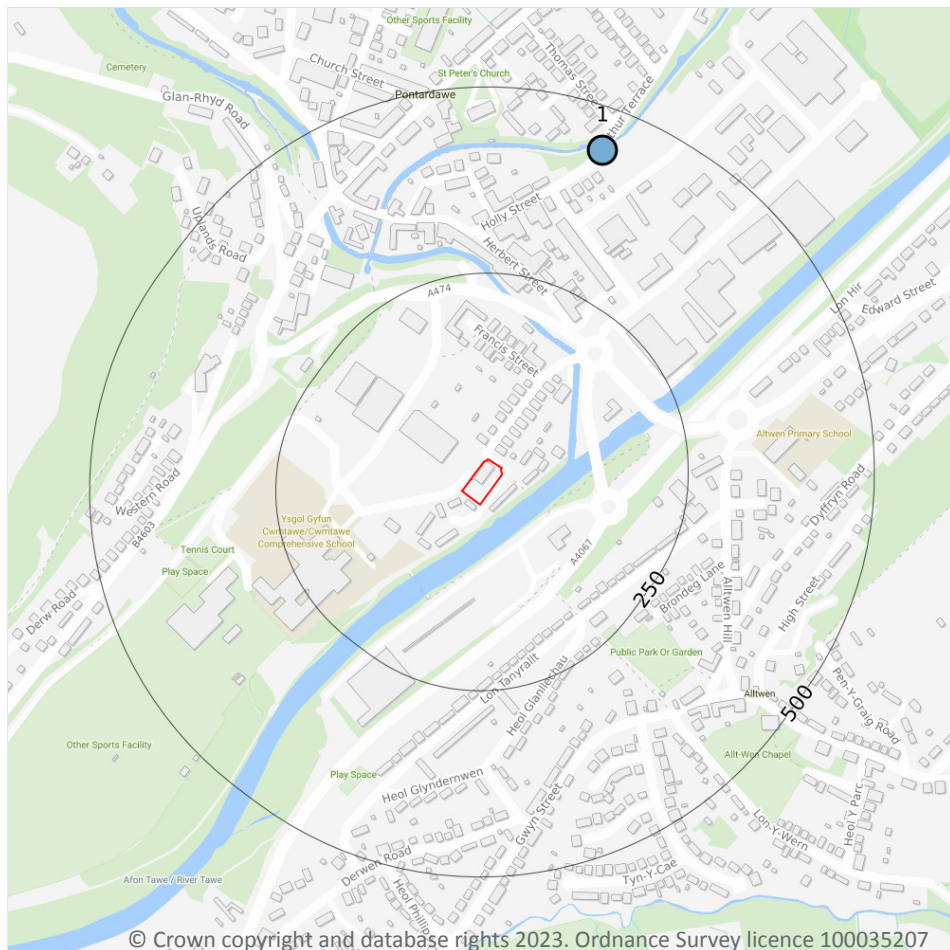
5.5 Groundwater vulnerability- local information

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

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

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

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)**
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

1

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 58**



ID	Location	Details	
-	1909m SE	Status: Historical Licence No: 22/59/1/0049 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: SPRING IN FIELD NO. 229 AT WERNDDU ISAF Data Type: Point Name: Jones Easting: 273270 Northing: 201980	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 30/03/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

5

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 58**

ID	Location	Details	
1	443m N	Status: Historical Licence No: 22/59/1/0107 Details: Effluent/Slurry Dilution Direct Source: EAW Surface Water Point: SWANSEA CANAL SWANSEA VALLEY Data Type: Point Name: British Waterways Board Easting: 272430 Northing: 204080	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 11/08/1992 Version End Date: -
-	890m SW	Status: Historical Licence No: 22/59/1/0129 Details: Hydraulic Testing Direct Source: EAW Surface Water Point: RIVER TAWA AT PONTARDAWE Data Type: Point Name: NACAP Land & Marine Easting: 271590 Northing: 203015	Annual Volume (m ³): 15000 Max Daily Volume (m ³): 4800 Original Application No: - Original Start Date: 06/03/2007 Expiry Date: 31/08/2007 Issue No: 1 Version Start Date: 06/03/2007 Version End Date: -



ID	Location	Details	
-	1540m N	Status: Historical Licence No: 22/59/1/0111 Details: Spray Irrigation - Storage Direct Source: EAW Surface Water Point: TRIB OF THE UPPER CLYDACH Data Type: Point Name: Pontardawe Golf Club Easting: 272060 Northing: 205190	Annual Volume (m ³): 600 Max Daily Volume (m ³): 86.4 Original Application No: - Original Start Date: 11/08/1994 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1556m N	Status: Historical Licence No: 22/59/1/0111 Details: Spray Irrigation - Storage Direct Source: EAW Surface Water Point: TRIB OF THE UPPER CLYDACH Data Type: Point Name: Pontardawe Golf Club Easting: 272090 Northing: 205210	Annual Volume (m ³): 600 Max Daily Volume (m ³): 86.4 Original Application No: - Original Start Date: 11/08/1994 Expiry Date: - Issue No: 101 Version Start Date: 29/08/2008 Version End Date: -
-	1556m N	Status: Active Licence No: 22/59/1/0111 Details: Spray Irrigation - Storage - High Direct Source: - Point: - Data Type: Point Name: - Easting: 272090 Northing: 205210	Annual Volume (m ³): 600 Max Daily Volume (m ³): 86.40 Original Application No: - Original Start Date: Aug 29 2008 12:00AM Expiry Date: - Issue No: - Version Start Date: - 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)

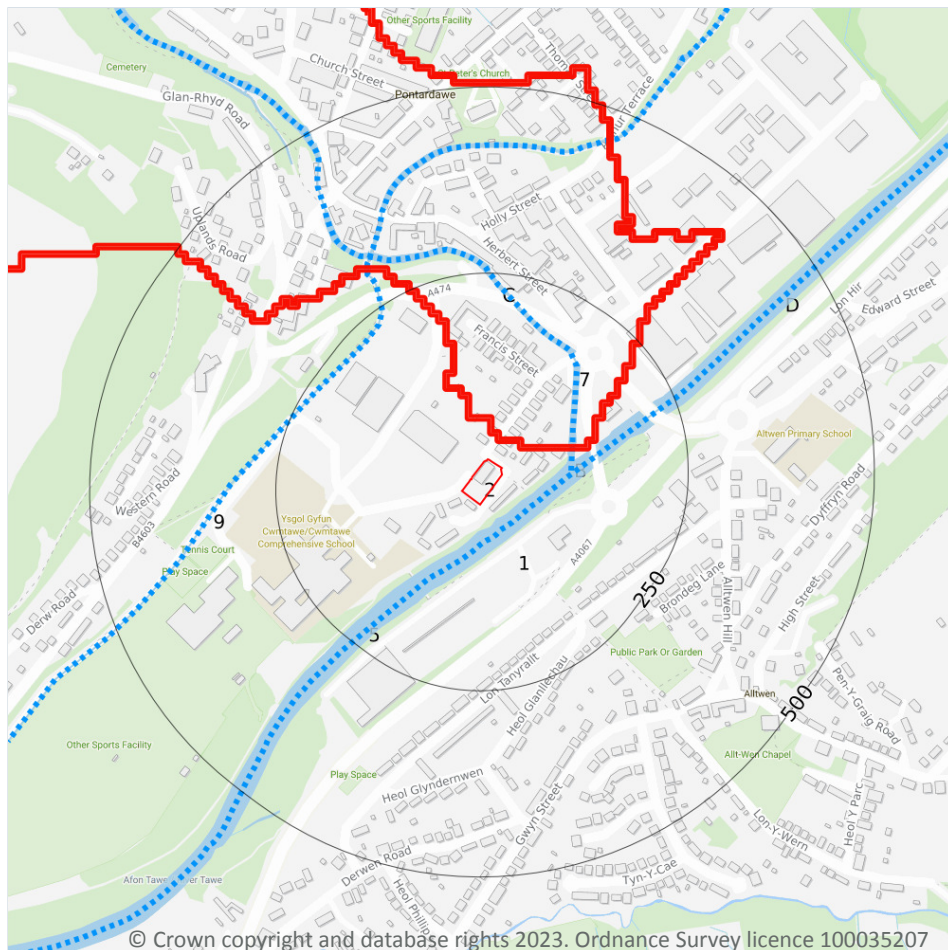
Records within 500m**0**

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

11

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 62**

ID	Location	Type of water feature	Ground level	Permanence	Name
5	45m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Tawe



ID	Location	Type of water feature	Ground level	Permanence	Name
B	94m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Upper Clydach River
B	94m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Tawe
B	96m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Upper Clydach River
7	96m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Upper Clydach River
B	198m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	200m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Upper Clydach River
C	200m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	203m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	203m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Tawe
9	225m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Swansea Canal

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

5

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 62**



This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on **page 62**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River WB catchment	Tawe -confluence with Twrch to tidal limit	GB110059032180	Tawe	Tawe to Cadoxton

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 62**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	44m S	River	Tawe -confluence with Twrch to tidal limit	GB110059032180	Moderate	Fail	Good	2016
8	226m NW	Canal	Swansea Canal	GB71010503				2018

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 62**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Swansea Carboniferous Coal Measures	GB41002G201000	Poor	Poor	Good	2017

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



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

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

7.2 Historical Flood Events

Records within 250m	2
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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 66**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	On site	Tawe 1979	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
I	217m N	Pontardawe October 1998 01	1998-10-22 1998-10-23	Unknown	Unknown	Fluvial

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

7.3 Flood Defences

Records within 250m	8
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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.

Features are displayed on the River and coastal flooding map on **page 66**

ID	Location	Update
G	177m NE	27/05/2022
G	178m NE	27/05/2022
G	186m NE	27/05/2022
G	186m NE	27/05/2022



ID	Location	Update
H	194m NE	27/05/2022
14	222m NE	27/05/2022
15	222m N	27/05/2022
J	229m N	27/05/2022

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 66**

ID	Location	
A	On site	Area benefiting from flood defences
D	81m E	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

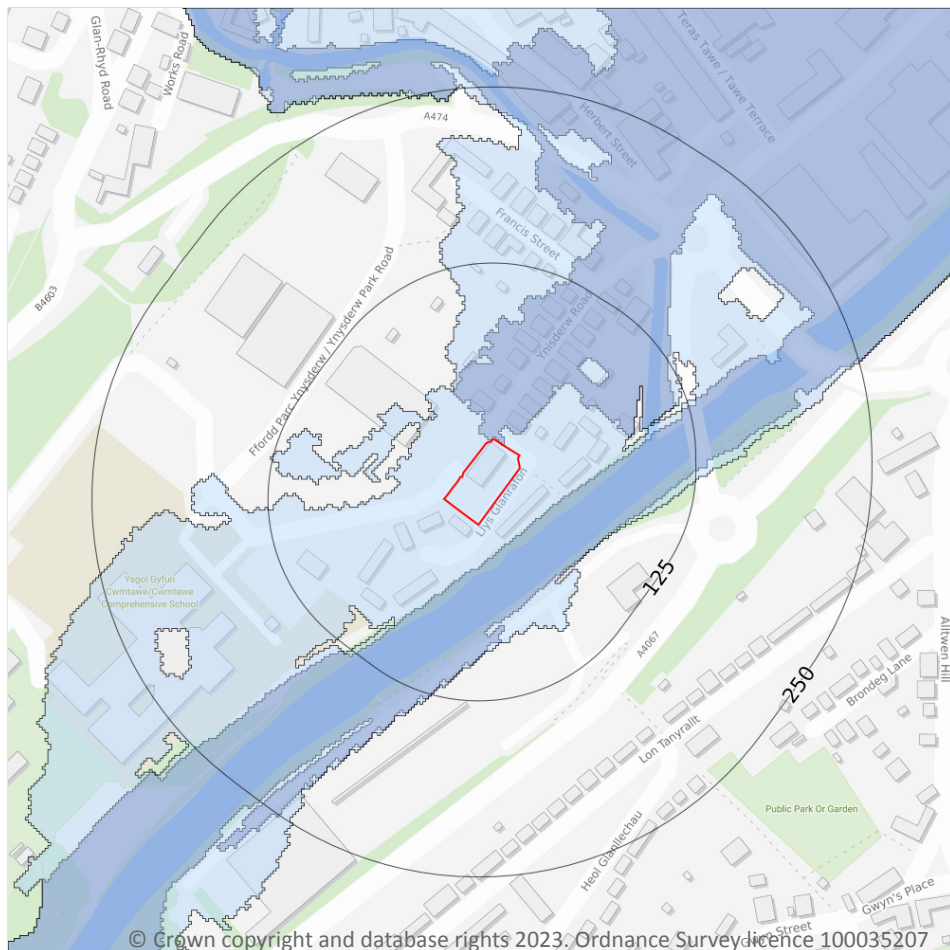
0

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 66**

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.

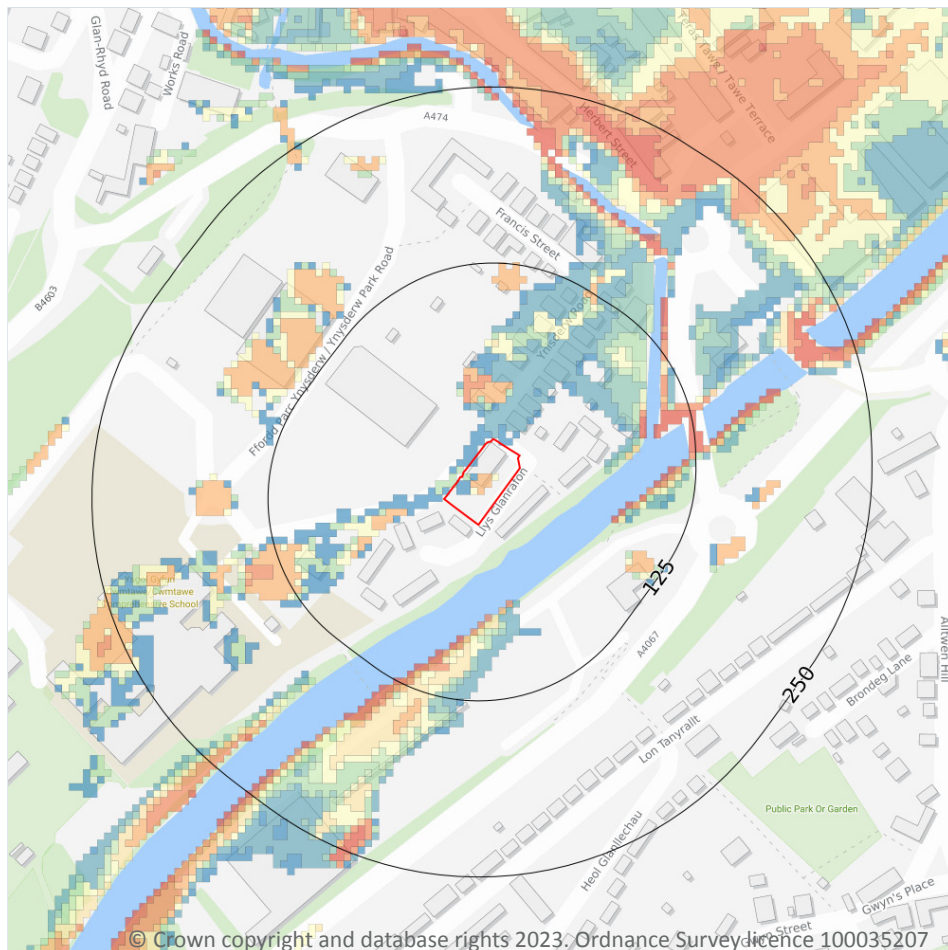
Features are displayed on the River and coastal flooding map on **page 66**

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



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 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 71**

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

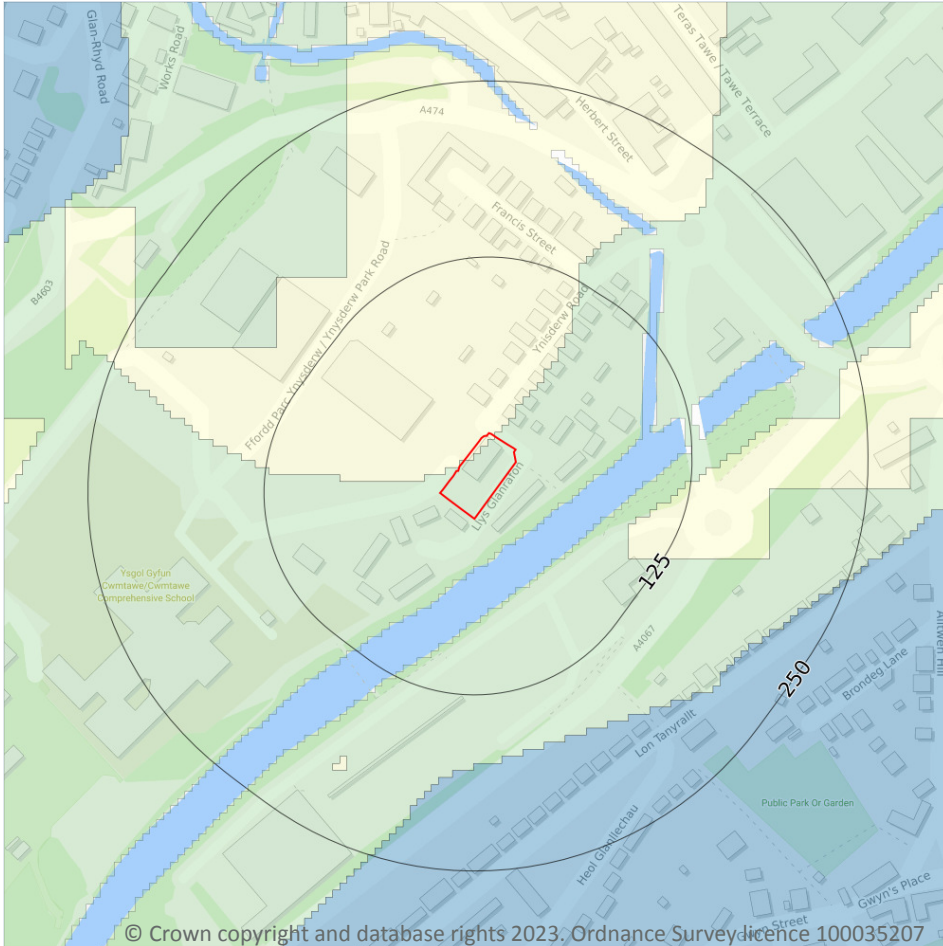
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

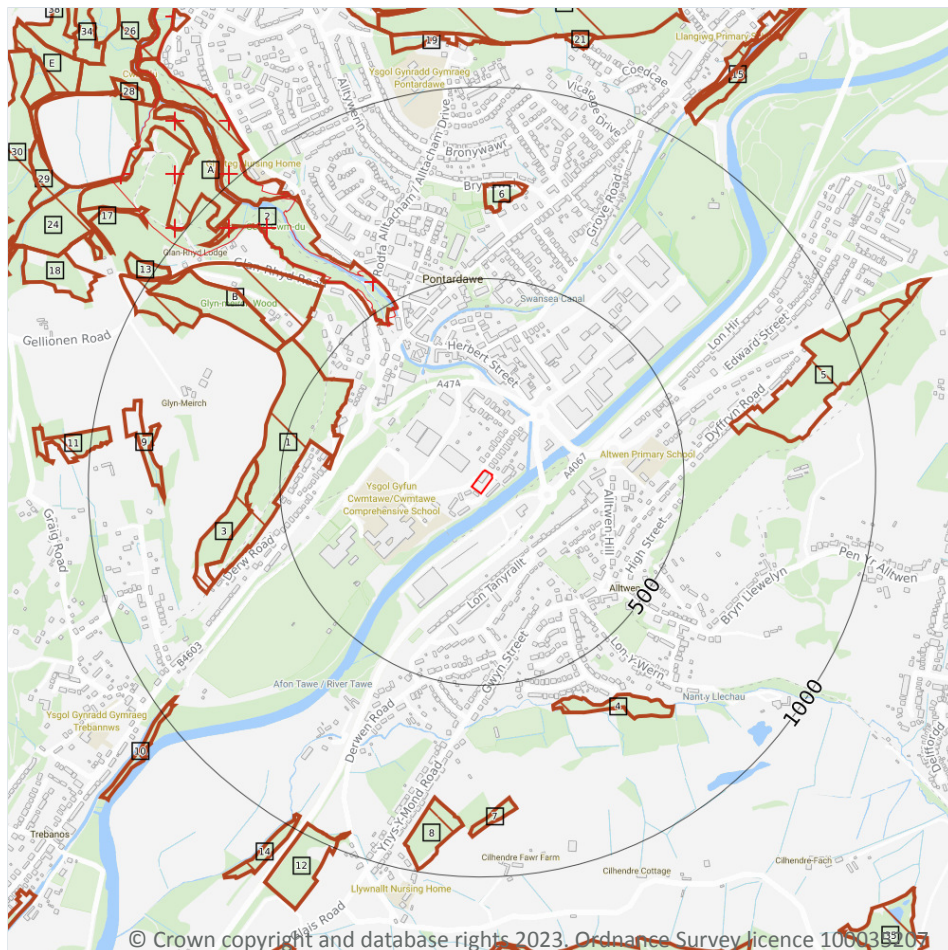
Moderate

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

Features are displayed on the Groundwater flooding map on **page 73**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- + 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 74**

ID	Location	Name	Data source
-	1745m SE	Fforest Goch Bog	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

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

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 74**

ID	Location	Name	Data source
A	451m NW	CWM DU GLEN & GLANRHYD PLANTATION	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

82

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 74**

ID	Location	Name	Woodland Type
1	363m W	Unknown	Restored Ancient Woodland Site
2	457m NW	Unknown	Ancient Semi Natural Woodland
3	560m W	Unknown	Ancient Woodland Site of Unknown Category
4	577m S	Unknown	Ancient Semi Natural Woodland
B	601m NW	Unknown	Ancient Semi Natural Woodland
B	614m NW	Unknown	Ancient Semi Natural Woodland
5	636m E	Unknown	Ancient Semi Natural Woodland
6	674m N	Unknown	Ancient Semi Natural Woodland
7	797m S	Unknown	Ancient Semi Natural Woodland
8	801m S	Unknown	Ancient Semi Natural Woodland
9	802m W	Unknown	Ancient Semi Natural Woodland
A	879m NW	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
A	937m NW	Unknown	Ancient Semi Natural Woodland
10	947m SW	Unknown	Ancient Semi Natural Woodland
11	949m W	Unknown	Restored Ancient Woodland Site
12	950m S	Unknown	Ancient Semi Natural Woodland
13	960m NW	Unknown	Restored Ancient Woodland Site
14	965m SW	Unknown	Ancient Semi Natural Woodland
15	1057m NE	Unknown	Ancient Semi Natural Woodland
16	1074m NE	Unknown	Restored Ancient Woodland Site
17	1087m NW	Unknown	Ancient Semi Natural Woodland
18	1106m NW	Unknown	Restored Ancient Woodland Site
19	1111m N	Unknown	Restored Ancient Woodland Site
20	1113m N	Unknown	Restored Ancient Woodland Site
21	1129m N	Unknown	Ancient Semi Natural Woodland
22	1172m N	Unknown	Ancient Semi Natural Woodland
23	1173m S	Unknown	Ancient Semi Natural Woodland
C	1183m S	Unknown	Restored Ancient Woodland Site
24	1192m NW	Unknown	Restored Ancient Woodland Site
25	1279m SW	Unknown	Restored Ancient Woodland Site
D	1281m NW	Unknown	Ancient Semi Natural Woodland
26	1285m NW	Unknown	Ancient Semi Natural Woodland
-	1306m N	Unknown	Ancient Woodland Site of Unknown Category
28	1310m NW	Unknown	Ancient Semi Natural Woodland
29	1311m NW	Unknown	Ancient Semi Natural Woodland
30	1353m NW	Unknown	Ancient Semi Natural Woodland
31	1359m SE	Unknown	Ancient Semi Natural Woodland
D	1370m NW	Unknown	Ancient Semi Natural Woodland
E	1371m NW	Unknown	Ancient Semi Natural Woodland
E	1377m NW	Unknown	Ancient Semi Natural Woodland



ID	Location	Name	Woodland Type
-	1386m N	Unknown	Restored Ancient Woodland Site
-	1390m N	Unknown	Ancient Semi Natural Woodland
D	1402m NW	Unknown	Ancient Semi Natural Woodland
-	1446m NE	Unknown	Ancient Semi Natural Woodland
-	1447m S	Unknown	Ancient Woodland Site of Unknown Category
-	1447m S	Unknown	Ancient Woodland Site of Unknown Category
-	1453m W	Unknown	Ancient Semi Natural Woodland
34	1455m NW	Unknown	Ancient Semi Natural Woodland
35	1475m SE	Unknown	Ancient Semi Natural Woodland
-	1484m NW	Unknown	Ancient Semi Natural Woodland
E	1493m NW	Unknown	Ancient Semi Natural Woodland
-	1497m SW	Unknown	Ancient Semi Natural Woodland
-	1513m S	Unknown	Restored Ancient Woodland Site
38	1516m NW	Unknown	Ancient Semi Natural Woodland
-	1519m SE	Unknown	Ancient Semi Natural Woodland
-	1529m SW	Unknown	Restored Ancient Woodland Site
-	1537m SW	Unknown	Ancient Semi Natural Woodland
H	1561m SW	Unknown	Ancient Semi Natural Woodland
-	1594m NW	Unknown	Ancient Semi Natural Woodland
-	1607m NE	Unknown	Ancient Semi Natural Woodland
-	1614m NW	Unknown	Ancient Semi Natural Woodland
-	1615m SW	Unknown	Restored Ancient Woodland Site
-	1649m NE	Unknown	Ancient Semi Natural Woodland
-	1655m NW	Unknown	Ancient Semi Natural Woodland
-	1678m N	Unknown	Ancient Semi Natural Woodland
-	1698m SW	Unknown	Restored Ancient Woodland Site
-	1711m N	Unknown	Ancient Semi Natural Woodland
-	1727m SW	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
-	1762m NE	Unknown	Ancient Semi Natural Woodland
-	1777m NE	Unknown	Restored Ancient Woodland Site
-	1779m N	Unknown	Restored Ancient Woodland Site
-	1780m NW	Unknown	Ancient Semi Natural Woodland
-	1787m NW	Unknown	Ancient Semi Natural Woodland
-	1797m NW	Unknown	Restored Ancient Woodland Site
-	1803m SW	Unknown	Ancient Semi Natural Woodland
-	1864m NE	Unknown	Restored Ancient Woodland Site
-	1905m NE	Unknown	Restored Ancient Woodland Site
-	1913m SW	Unknown	Restored Ancient Woodland Site
-	1938m SW	Unknown	Ancient Semi Natural Woodland
-	1976m NE	Unknown	Ancient Semi Natural Woodland
-	1978m SE	Unknown	Ancient Semi Natural Woodland
-	1998m SW	Unknown	Ancient Semi Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.



10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

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



- 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

2

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 83**

ID	Location	Name	Grade	Reference Number	Listed date
A	192m NE	Pont ar Dawe, Spanning the Afon Tawe between the communities of Cilybebyll and Pontardawe	II	11200	26/10/1979
A	198m E	Pont ar Dawe (partly in Pontardawe community rec no 11200), Spanning the Afon Tawe between the communities of Cilybebyll and Pontardawe.	II	82294	26/10/1979

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



11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

0

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

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



12 Agricultural designations

12.1 Agricultural Land Classification

Records within 250m

0

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.

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

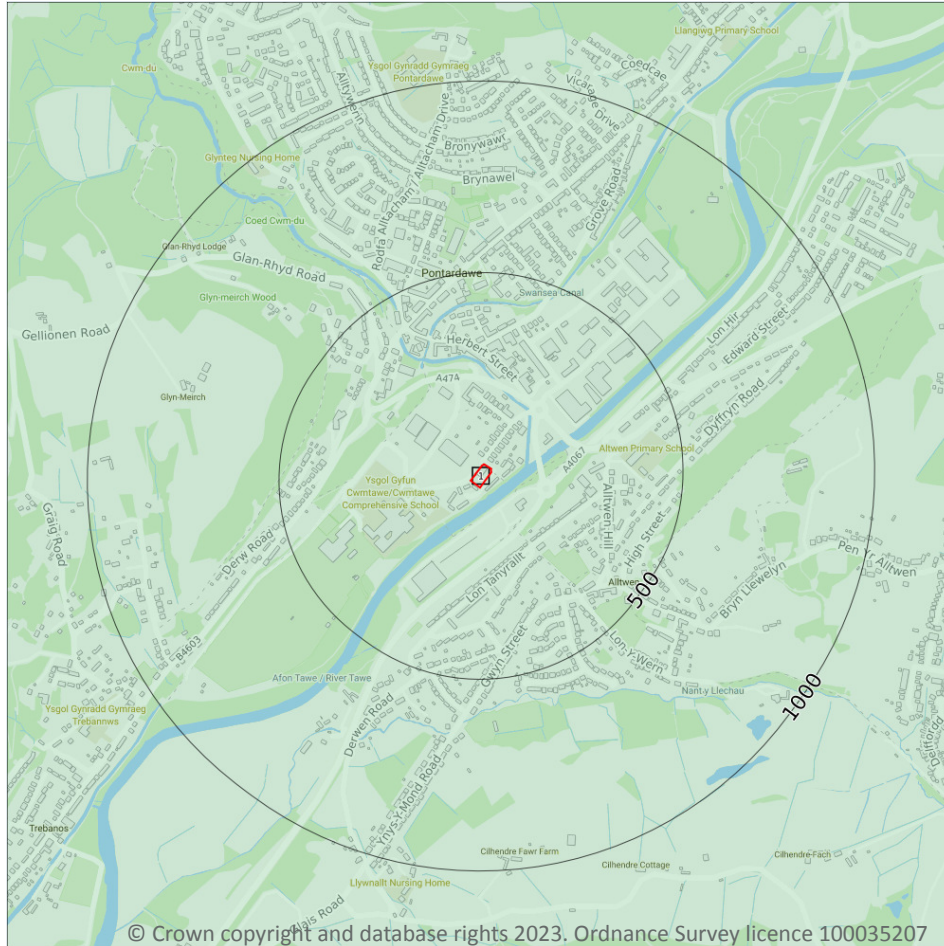
0

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



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

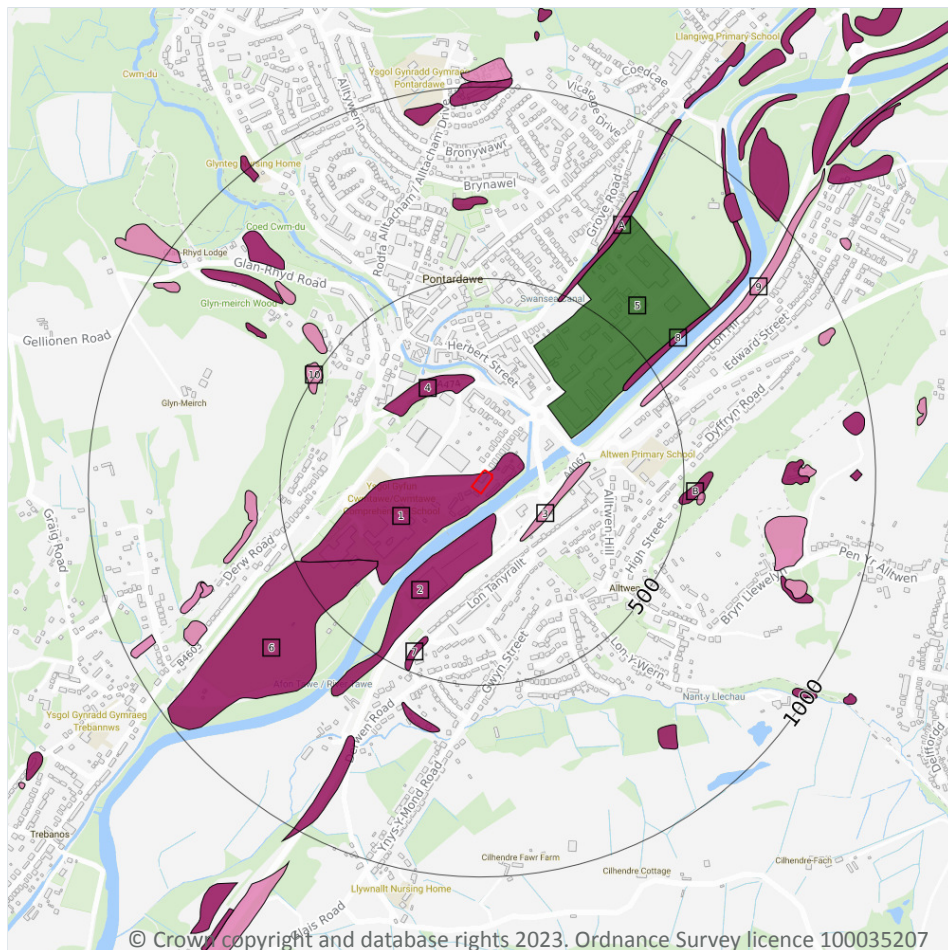
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 89**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SN70SW

This data is sourced from the British Geological Survey.



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



- Site Outline**
- Search buffers in metres (m)**
- Reclaimed ground
 - Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

12

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 90**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	61m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	154m SE	WGR-VOID	Worked Ground (Undivided)	Void
4	213m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

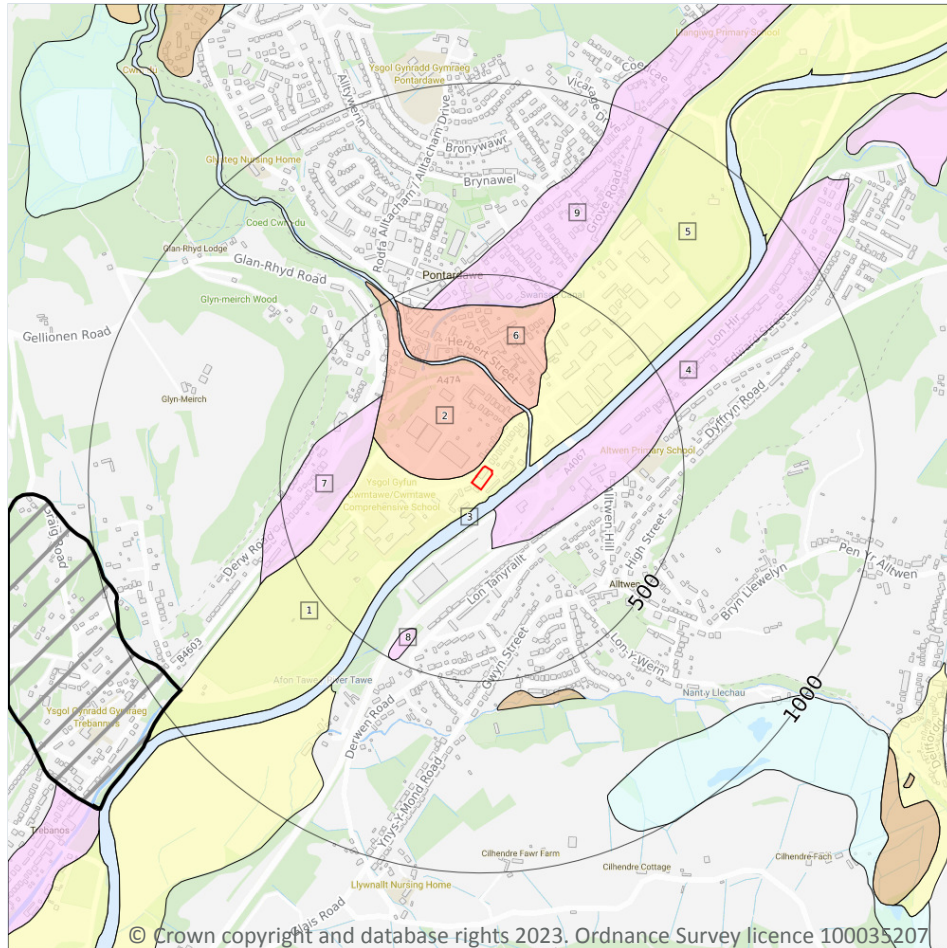


ID	Location	LEX Code	Description	Rock description
5	222m NE	LSGR-UNKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
6	313m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	399m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	407m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	427m NE	WGR-VOID	Worked Ground (Undivided)	Void
10	474m NW	WGR-VOID	Worked Ground (Undivided)	Void
A	480m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	491m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

9

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

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

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
2	11m N	ALF-XSV	Alluvial Fan Deposits - Sand And Gravel	Sand And Gravel
3	29m S	SUPNM-UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry



ID	Location	LEX Code	Description	Rock description
4	60m SE	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
5	99m E	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
6	185m NE	ALF-XSV	Alluvial Fan Deposits - Sand And Gravel	Sand And Gravel
7	278m W	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
8	402m SW	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
9	420m N	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

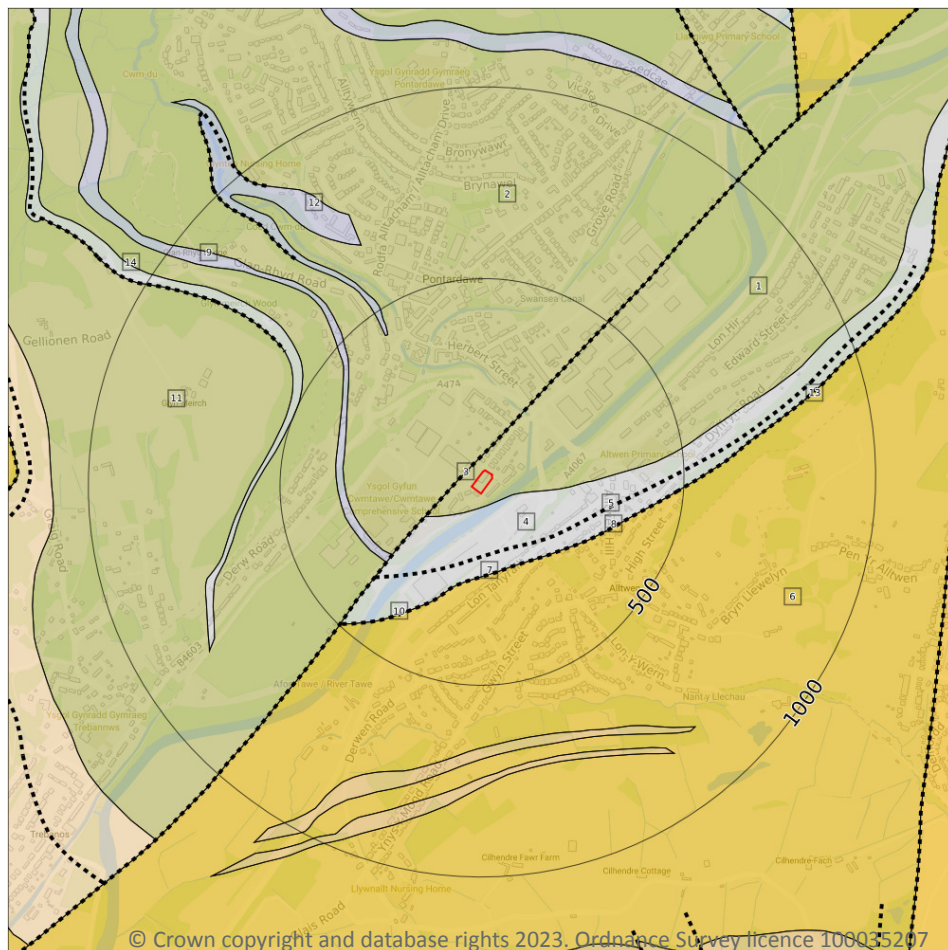
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

..... Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m

8

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 94**

ID	Location	LEX Code	Description	Rock age
1	On site	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
2	31m NW	RA-SDST	Rhondda Member - Sandstone	Westphalian D Sub-age - Bolsopian Sub-age
4	35m S	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age



ID	Location	LEX Code	Description	Rock age
6	206m S	H-SDST	Hughes Member - Sandstone	Westphalian D Sub-age
9	273m SW	RA-MDSS	Rhondda Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age - Bolsovian Sub-age
11	298m SW	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
12	435m NW	RA-MDSS	Rhondda Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age - Bolsovian Sub-age
14	499m W	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

6

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 94**

ID	Location	Category	Description
3	31m NW	FAULT	Normal fault, inferred
5	158m S	ROCK	Coal seam, inferred (GLYNGWILYM)
7	206m S	ROCK	Coal seam, observed ()
8	220m SE	ROCK	Coal seam, inferred (HUGHES)
10	296m S	ROCK	Coal seam, inferred ()
13	486m E	ROCK	Coal seam, observed ()

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

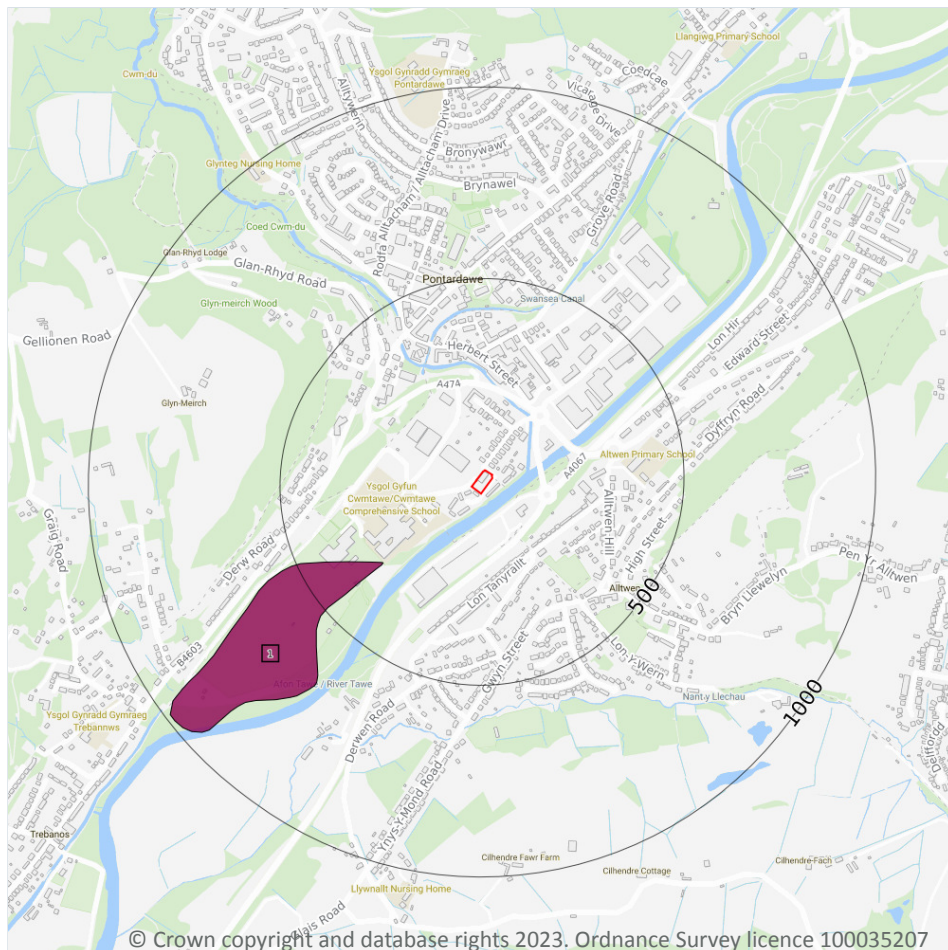
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 96**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW230_amanford_v4

This data is sourced from the British Geological Survey.



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



- Site Outline**
- Search buffers in metres (m)**
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

1

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.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 97**

ID	Location	LEX Code	Description	Rock description
1	305m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

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.



ID	Location	LEX Code	Description	Rock description
5	417m N	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	2
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0
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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)

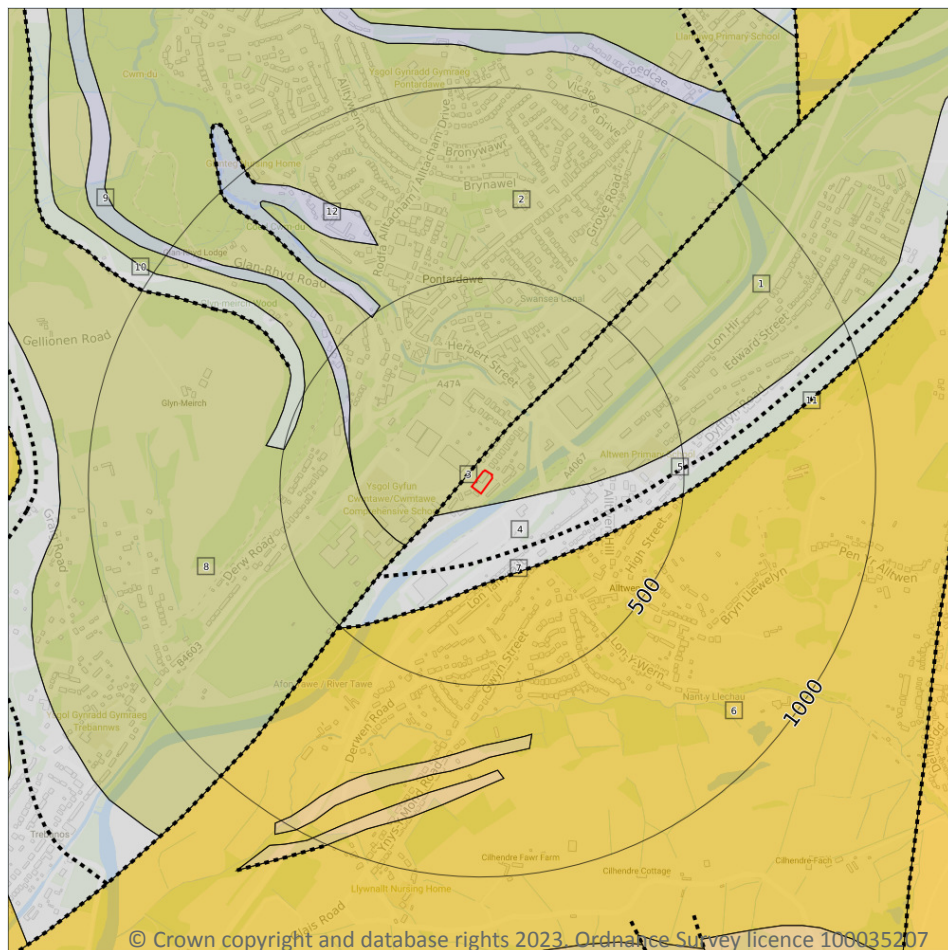
Records within 50m	0
---------------------------	----------

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

8

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 101**

ID	Location	LEX Code	Description	Rock age
1	On site	BD-SDST	BRITHDIR MEMBER - SANDSTONE	WESTPHALIAN
2	26m NW	RA-SDST	RHONDDA MEMBER - SANDSTONE	WESTPHALIAN
4	33m S	BD-MDSS	BRITHDIR MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
6	226m S	H-SDST	HUGHES MEMBER - SANDSTONE	WESTPHALIAN
8	232m SW	BD-SDST	BRITHDIR MEMBER - SANDSTONE	WESTPHALIAN
9	308m W	RA-MDSS	RHONDDA MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	486m W	BD-MDSS	BRITHDIR MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	495m NW	RA-MDSS	RHONDDA MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	High	Moderate
26m NW	Fracture	High	Moderate
33m S	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

4

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 101**

ID	Location	Category	Description
3	26m NW	FAULT	Fault, inferred, displacement unknown
5	168m S	ROCK	Coal seam, inferred
7	226m S	ROCK	Coal seam, inferred

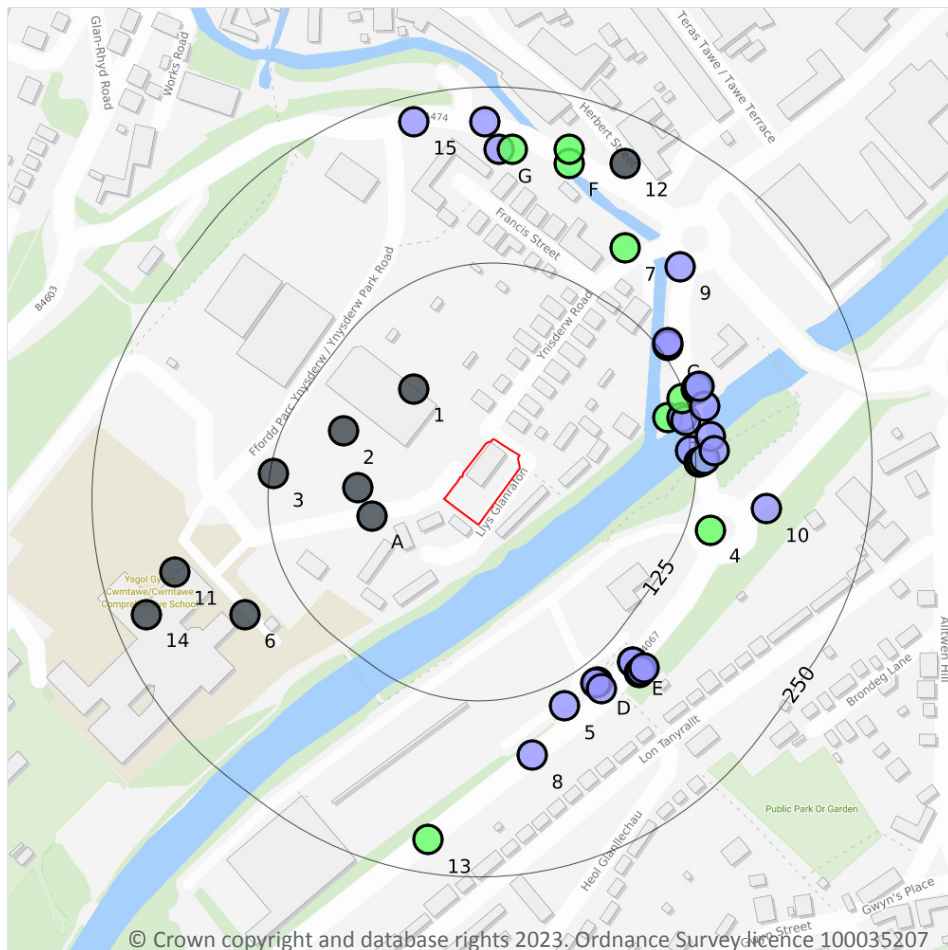


ID	Location	Category	Description
11	492m E	ROCK	Coal seam, observed

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

46

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 104**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	53m W	272190 203610	YNYSDERW ROAD PONTARDAWE 5	-	Y	N/A
A	62m W	272180 203630	YNYSDERW ROAD PONTARDAWE 4	-	Y	N/A
1	64m NW	272220 203700	YNYSDERW ROAD PONTARDAWE 1	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
2	86m W	272170 203670	YNYSDERW ROAD PONTARDAWE 3	-	Y	N/A
B	109m E	272400 203680	A4067 SWANSEA VALLEY ROAD PONTARDAWE 3	11.25	N	257351
B	118m E	272410 203680	A4067 SWANSEA VALLEY ROAD PONTARDAWE 4	9.32	N	257352
B	121m E	272413 203678	A4067 GLAIS TO PONTARDAWE 69	7.5	N	257228
B	121m E	272416 203656	A4067 GLAIS TO PONTARDAWE 67	3.5	N	257226
B	122m NE	272410 203693	A4067 GLAIS TO PONTARDAWE 71	23.5	N	257230
3	123m W	272120 203640	YNYSDERW ROAD PONTARDAWE 2	-	Y	N/A
B	127m E	272422 203648	A4067 GLAIS TO PONTARDAWE 65	5.7	N	257222
B	129m E	272424 203649	A4067 GLAIS TO PONTARDAWE 65B	11.0	N	257224
B	131m E	272426 203650	A4067 GLAIS TO PONTARDAWE 65A	4.55	N	257223
C	131m NE	272400 203731	A4067 GLAIS TO PONTARDAWE 73	4.0	N	257234
C	132m NE	272400 203733	A4067 GLAIS TO PONTARDAWE 73A	7.5	N	257235
B	134m NE	272420 203700	A4067 GLAIS TO PONTARDAWE 72B	28.6	N	257233
B	135m NE	272421 203701	A4067 GLAIS TO PONTARDAWE 72A	5.0	N	257232
B	136m E	272430 203666	A4067 GLAIS TO PONTARDAWE 68	2.5	N	257227
B	136m E	272426 203688	A4067 GLAIS TO PONTARDAWE 70	5.0	N	257229
B	136m NE	272422 203702	A4067 GLAIS TO PONTARDAWE 72	5.5	N	257231
B	138m E	272433 203656	A4067 GLAIS TO PONTARDAWE 66	10.0	N	257225
D	140m SE	272350 203492	A4067 GLAIS TO PONTARDAWE 59B	9.5	N	257214
D	140m SE	272349 203491	A4067 GLAIS TO PONTARDAWE 59A	6.0	N	257213
4	142m E	272430 203600	A4067 GLAIS TO PONTARDAWE 63	12.5	N	257220
5	143m S	272327 203475	A4067 GLAIS TO PONTARDAWE TP 3	3.0	N	257243
D	146m SE	272353 203487	A4067 GLAIS TO PONTARDAWE 59	2.0	N	257212
E	147m SE	272375 203506	A4067 GLAIS TO PONTARDAWE 60	1.5	N	257215
E	147m SE	272375 203506	A4067 GLAIS TO PONTARDAWE 60R	9.5	N	257216
E	155m SE	272380 203499	A4067 GLAIS TO PONTARDAWE 61A	8.0	N	257218
E	155m SE	272381 203500	A4067 GLAIS TO PONTARDAWE 61	9.5	N	257217
E	155m SE	272383 203502	A4067 GLAIS TO PONTARDAWE 61B	8.0	N	257219

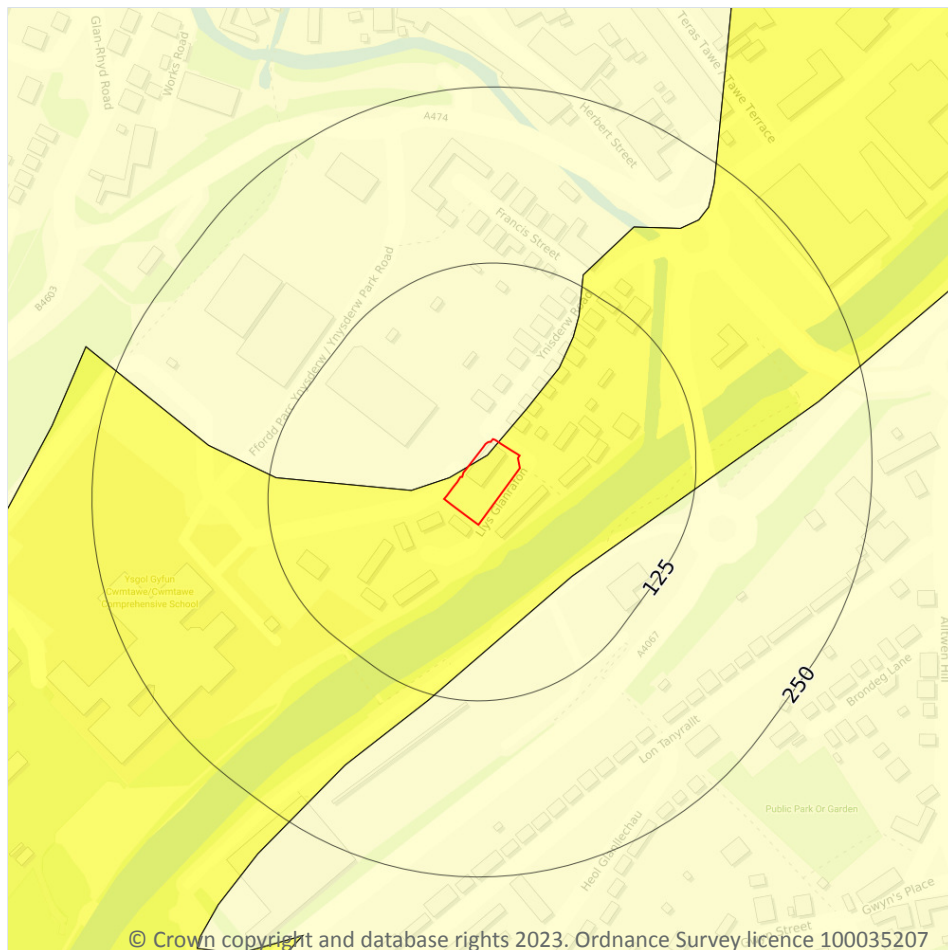


ID	Location	Grid reference	Name	Length	Confidential	Web link
6	163m SW	272100 203540	PROPOSED PONTARDAWE COMPREHENSIVE SCHOOL L	-	Y	N/A
7	165m NE	272370 203800	A4067 GLAIS TO PONTARDAWE D	10.05	N	257321
8	168m S	272304 203440	A4067 GLAIS TO PONTARDAWE 58	1.7	N	257211
9	176m NE	272409 203787	A4067 GLAIS TO PONTARDAWE 74	10.0	N	257236
10	177m E	272470 203615	A4067 GLAIS TO PONTARDAWE 64	3.5	N	257221
11	198m W	272050 203570	PROPOSED PONTARDAWE COMPREHENSIVE SCHOOL H	-	Y	N/A
F	203m N	272330 203860	A483 HERBERT STREET IMPROVEMENT PONTARDAWE 1	19.0	N	257306
G	206m N	272280 203870	A483 HERBERT STREET IMPROVEMENT PONTARDAWE 3	4.75	N	257308
G	206m N	272290 203870	A483 HERBERT STREET IMPROVEMENT PONTARDAWE 4	14.0	N	257309
F	213m N	272330 203870	A483 HERBERT STREET IMPROVEMENT PONTARDAWE 2	21.2	N	257307
12	217m NE	272370 203860	HERBERT STREET PONTARDAWE TP 2	-	Y	N/A
G	226m N	272270 203890	A483 HERBERT STREET IMPROVEMENT PONTARDAWE 5	4.5	N	257310
13	226m S	272230 203380	A4067 GLAIS TO PONTARDAWE 57	10.95	N	257210
14	227m W	272030 203540	PROPOSED PONTARDAWE COMPREHENSIVE SCHOOL G	-	Y	N/A
15	232m N	272220 203890	A483 HERBERT STREET IMPROVEMENT PONTARDAWE 7	3.95	N	257311

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

2

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

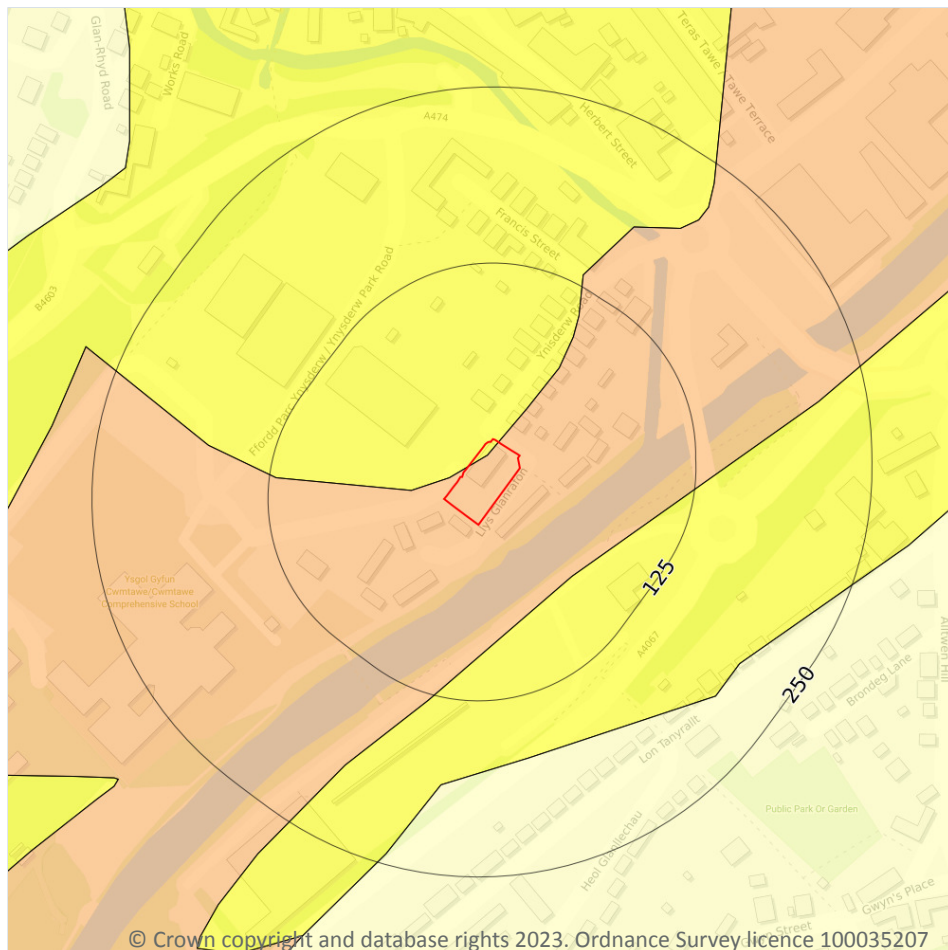
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 107**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- 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 108**

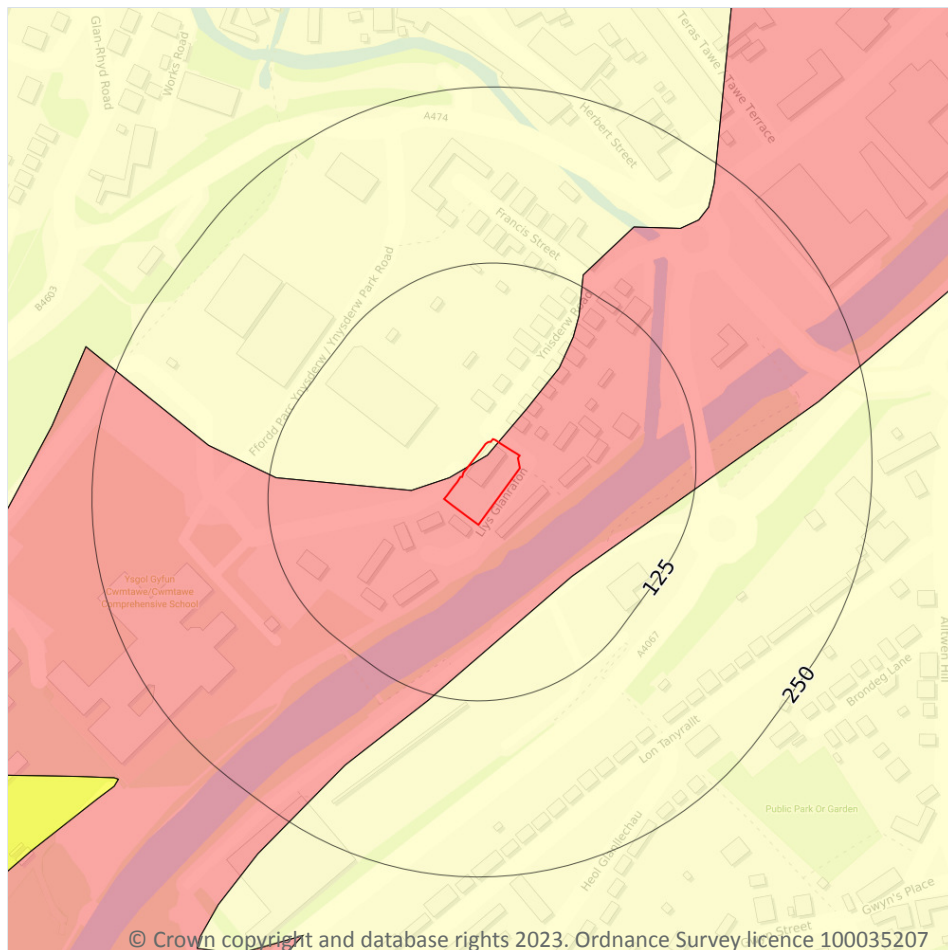
Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.3 Compressible deposits

Records within 50m

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 110**

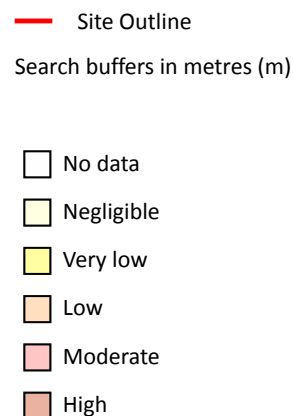
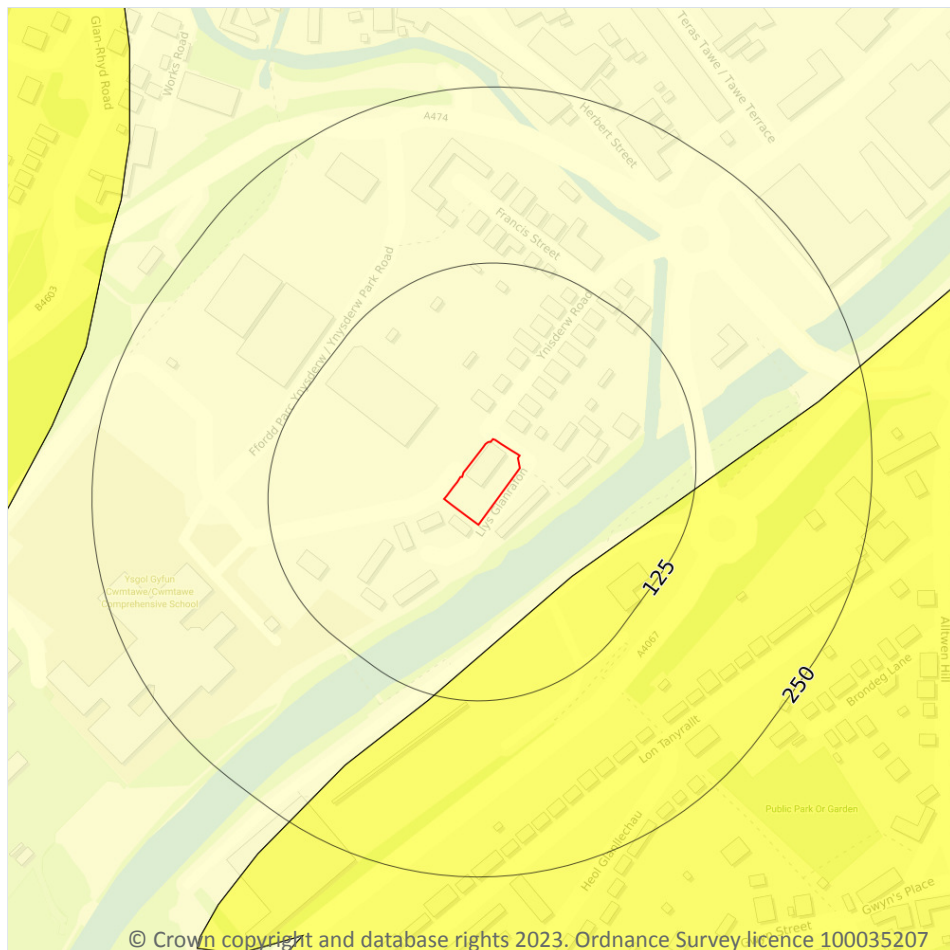
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

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

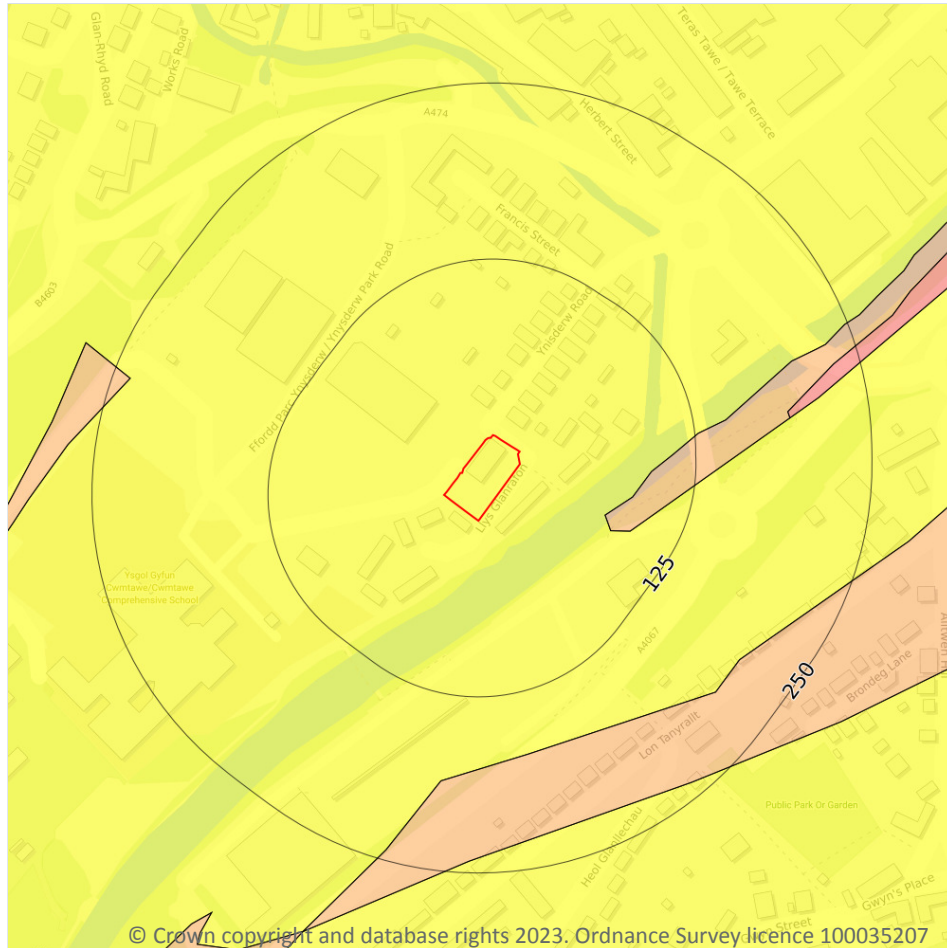
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 112**

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not 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

1

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

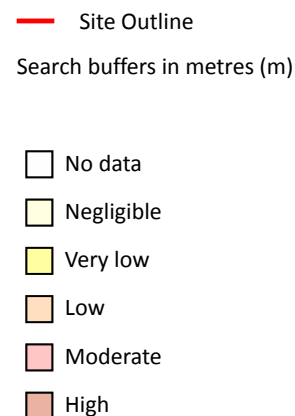
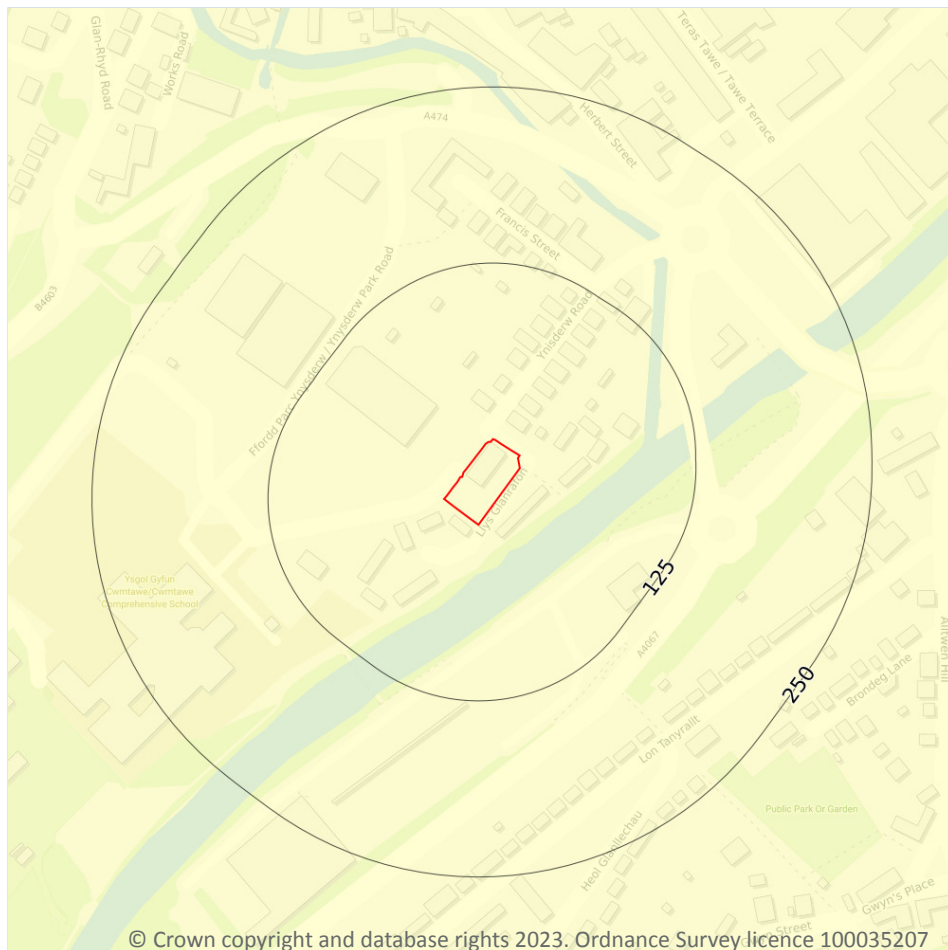
Features are displayed on the Natural ground subsidence - Landslides map on **page 113**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

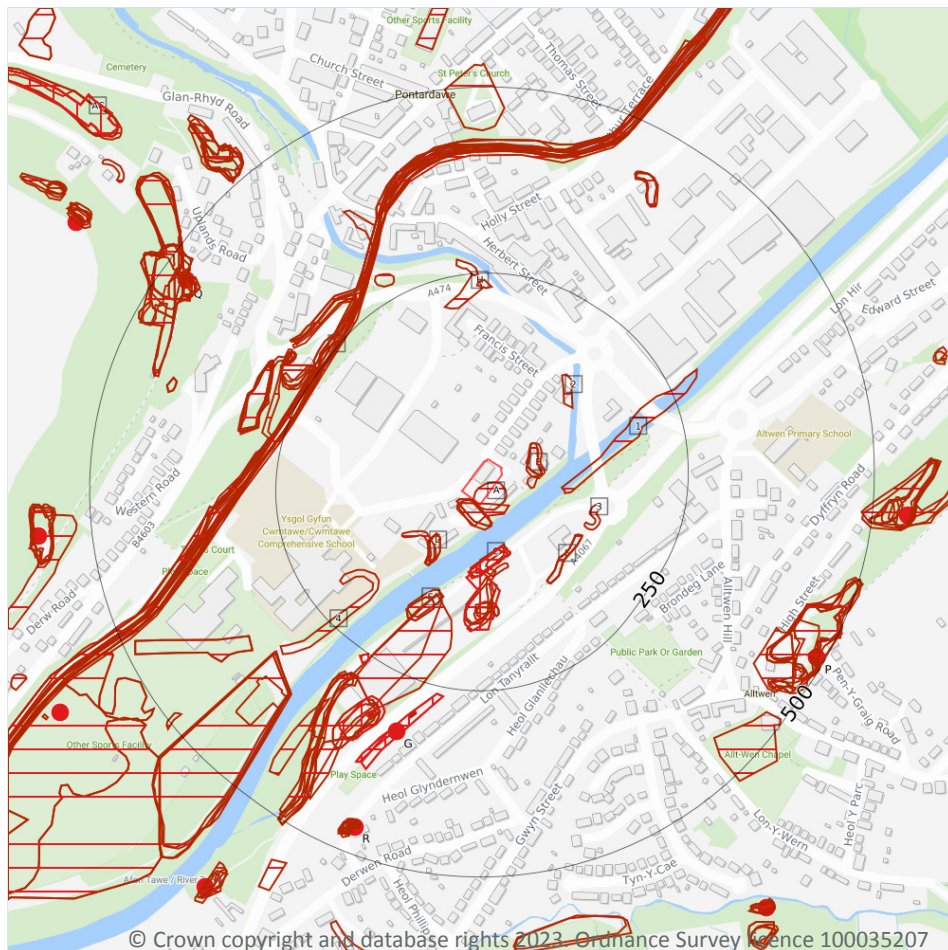
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 114**

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

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- ▢ Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- ▢ Surface ground workings
- ▢ Underground workings
- ▢ Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- ▢ Sporadic underground mining of restricted extent possible
- ▢ Localised small scale underground mining possible
- ▢ Small scale mining possible
- ▢ Underground mining known or likely within or in close proximity
- ▢ Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m

4

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 116**

ID	Location	Details	Description
G	324m S	Name: Craig-glyn-meirch Address: Pontardawe, SWANSEA, Glamorgan Commodity: Coal, Deep 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
R	464m S	Name: Alltwen-isaf Address: Pontardawe, SWANSEA, Glamorgan Commodity: Sandstone 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
Q	466m NW	Name: Glyn-meirch Wood Address: Pontardawe, SWANSEA, Glamorgan Commodity: Sandstone 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
P	489m SE	Name: Alltwen Address: Pontardawe, SWANSEA, Glamorgan Commodity: Sandstone 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.



18.3 Surface ground workings

Records within 250m

53

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 116**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Refuse Heap	1897	1:10560
A	On site	Unspecified Heap	1966	1:10560
A	On site	Refuse Heap	1921	1:10560
A	2m SW	Unspecified Heap	1948	1:10560
A	2m SW	Unspecified Heap	1948	1:10560
B	33m E	Refuse Heap	1921	1:10560
B	34m NE	Unspecified Heap	1913	1:10560
B	35m E	Refuse Heap	1913	1:10560
B	36m E	Unspecified Pit	1913	1:10560
C	62m S	Unspecified Heap	1897	1:10560
C	63m S	Unspecified Heap	1948	1:10560
C	63m S	Unspecified Heap	1948	1:10560
C	63m S	Coal Level	1913	1:10560
C	63m S	Unspecified Heap	1964	1:10560
C	63m S	Unspecified Heap	1966	1:10560
D	65m SW	Unspecified Ground Workings	1913	1:10560
D	66m SW	Unspecified Ground Workings	1948	1:10560
D	66m SW	Unspecified Ground Workings	1948	1:10560
D	73m SW	Unspecified Heap	1897	1:10560
1	82m E	Refuse Heap	1964	1:10560
C	85m S	Unspecified Ground Workings	1897	1:10560
C	86m S	Coal Level	1913	1:10560
C	87m S	Coal Level	1921	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
C	99m S	Refuse Heap	1913	1:10560
C	107m S	Refuse Heap	1913	1:10560
2	120m NE	Unspecified Heap	1897	1:10560
E	127m S	Unspecified Heap	1992	1:10000
F	127m SE	Unspecified Ground Workings	1948	1:10560
F	127m SE	Unspecified Ground Workings	1913	1:10560
F	127m SE	Unspecified Ground Workings	1897	1:10560
3	128m E	Unspecified Heap	1897	1:10560
G	130m S	Refuse Heap	1921	1:10560
C	131m S	Refuse Heap	1948	1:10560
C	131m S	Refuse Heap	1948	1:10560
C	132m S	Unspecified Ground Workings	1966	1:10560
G	134m SW	Refuse Heap	1913	1:10560
C	138m S	Refuse Heap	1964	1:10560
E	142m SW	Unspecified Heap	1980	1:10000
E	142m SW	Unspecified Heap	1966	1:10560
4	162m SW	Unspecified Ground Workings	1964	1:10560
H	207m N	Refuse Heap	1913	1:10560
H	230m N	Unspecified Pit	1964	1:10560
I	241m NW	Canal	1921	1:10560
I	242m NW	Canal	1913	1:10560
I	242m NW	Canal	1980	1:10000
I	242m NW	Canal	1992	1:10000
I	243m NW	Canal	1948	1:10560
I	243m NW	Canal	1913	1:10560
I	243m NW	Canal	1897	1:10560
I	243m NW	Canal	1948	1:10560
I	244m NW	Canal	1877	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
I	246m NW	Canal	1964	1:10560
I	246m NW	Canal	1966	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

20

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, ground workings and natural cavities map on **page 116**

ID	Location	Land Use	Year of mapping	Mapping scale
C	63m S	Coal Level	1913	1:10560
C	87m S	Coal Level	1921	1:10560
G	251m SW	Unspecified Disused Level	1980	1:10000
G	260m S	Old Coal Level	1921	1:10560
G	295m SW	Old Coal Level	1877	1:10560
G	306m SW	Old Coal Level	1913	1:10560
G	323m S	Unspecified Disused Level	1964	1:10560
AC	665m NW	Unspecified Disused Levels	1980	1:10000
AC	665m NW	Unspecified Disused Levels	1992	1:10000
-	840m NW	Old Coal Levels	1921	1:10560
-	841m NW	Coal Levels	1913	1:10560
-	857m NW	Unspecified Disused Levels	1980	1:10000
-	857m NW	Unspecified Disused Levels	1992	1:10000
-	874m NW	Old Coal Levels	1921	1:10560
-	890m NW	Unspecified Disused Levels	1980	1:10000
-	890m NW	Unspecified Disused Levels	1992	1:10000
-	912m NW	Old Coal Levels	1913	1:10560
-	918m NW	Unspecified Disused Levels	1980	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
-	918m NW	Unspecified Disused Levels	1992	1:10000
-	918m NW	Unspecified Disused Levels	1964	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

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

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.



18.9 Coal mining

Records on site	1
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Areas which could be affected by past, current or future coal mining.

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0
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The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

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

18.11 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.13 Clay mining

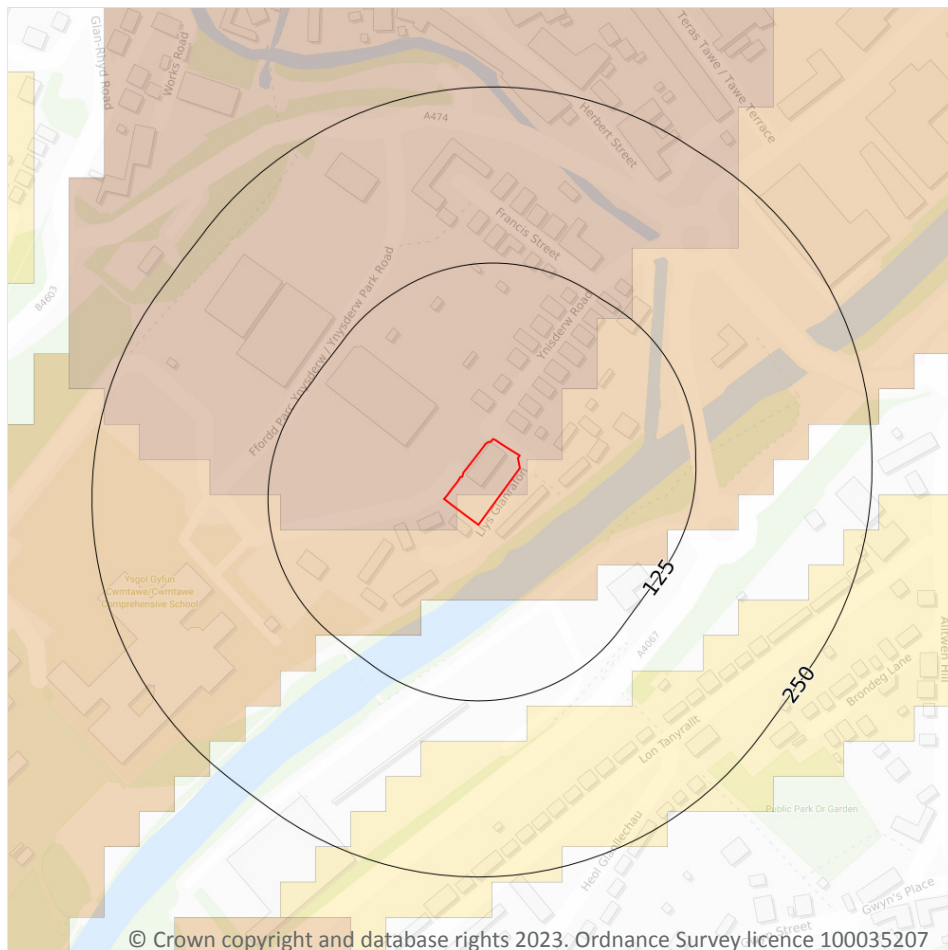
Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

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



19 Radon



— Site Outline
Search buffers in metres (m)

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

19.1 Radon

Records on site

2

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 123**

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 10% and 30%	Full



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

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



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

5

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
26m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
31m W	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
33m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



20.3 BGS Measured Urban Soil Chemistry

Records within 50m

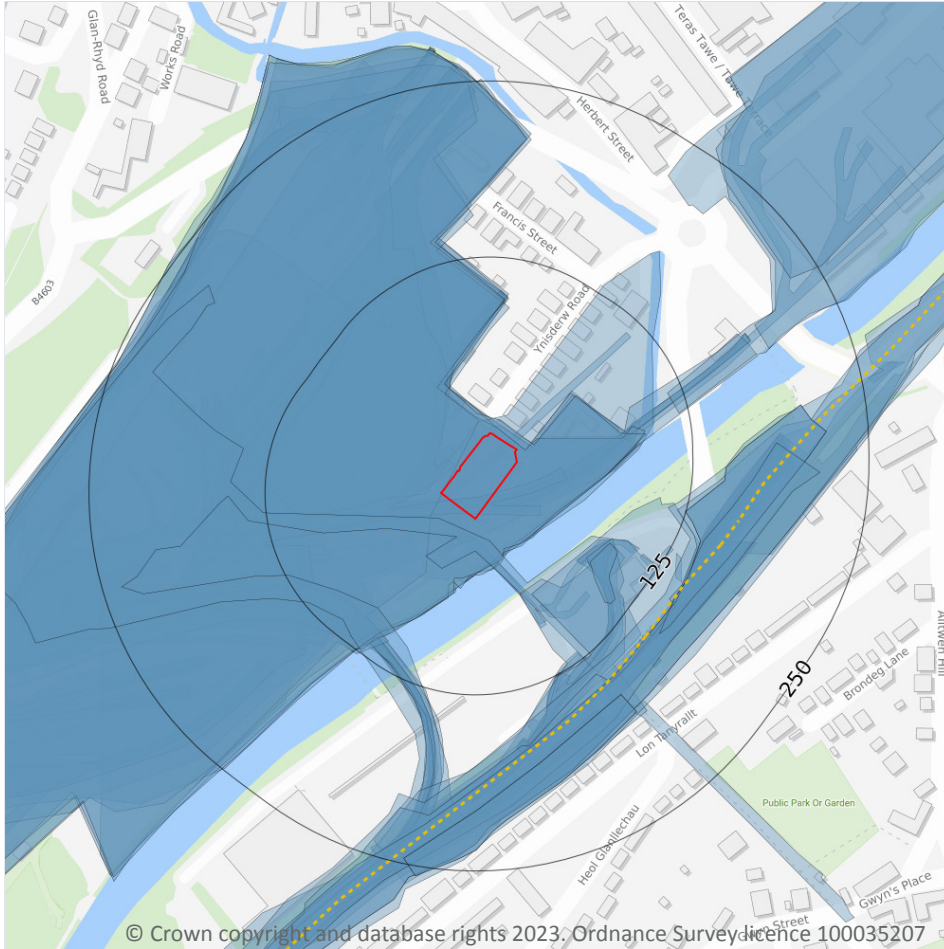
0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)**
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 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

21.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

95

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 127**

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1963	2500
On site	Railway Sidings	1918	2500
On site	Railway Sidings	1898	2500
On site	Railway Sidings	1942	2500
On site	Railway Sidings	1964	2500
On site	Disused Railway Sidings	1963	2500
On site	Railway Sidings	1964	-
On site	Railway Sidings	1948	10560
On site	Railway Sidings	1913	10560
On site	Railway Sidings	1897	10560
On site	Railway Sidings	1966	10560
On site	Railway Sidings	1921	10560
On site	Railway Sidings	1964	10560
10m S	Tramway Sidings	1877	10560
12m S	Railway Sidings	1877	2500
13m S	Railway Sidings	1919	2500
13m S	Railway Sidings	1898	2500



Location	Land Use	Year of mapping	Mapping scale
24m NW	Railway Sidings	1918	2500
39m SW	Railway Sidings	1942	2500
62m S	Railway Sidings	1897	10560
67m SE	Railway Sidings	1921	10560
75m SE	Railway Sidings	1898	2500
76m SE	Railway Sidings	1919	2500
76m SE	Railway Sidings	1877	2500
84m SE	Railway Sidings	1948	10560
91m SW	Railway Sidings	1919	2500
91m SW	Railway Sidings	1898	2500
92m W	Railway Sidings	1919	2500
101m SW	Tramway Sidings	1877	2500
101m W	Tramway Sidings	1877	2500
103m W	Railway Sidings	1941	2500
103m SW	Railway Sidings	1898	2500
103m W	Railway Sidings	1898	2500
104m W	Railway Sidings	1918	2500
105m SW	Mineral Railway Sidings	1963	2500
107m SW	Railway Sidings	1964	2500
107m SW	Railway Sidings	1964	-
110m SW	Railway Sidings	1919	2500
110m SE	Railway Sidings	1919	2500
111m W	Railway Sidings	1918	2500
112m E	Railway Sidings	1966	10560
114m NE	Railway Sidings	1964	10560
119m E	Railway Sidings	1964	10560
120m SW	Tramways Sidings	1881	2500
120m W	Railway Sidings	1941	2500



Location	Land Use	Year of mapping	Mapping scale
125m NW	Railway Sidings	1918	2500
125m E	Railway Sidings	1948	10560
125m E	Railway Sidings	1913	10560
125m NW	Railway Sidings	1942	2500
125m NW	Railway Sidings	1898	2500
126m NW	Railway Sidings	1898	2500
130m E	Railway Sidings	1919	2500
139m W	Railway Sidings	1877	2500
142m E	Railway Sidings	1964	-
142m E	Railway Sidings	1964	2500
143m E	Railway Sidings	1918	2500
144m E	Railway Sidings	1942	2500
144m E	Railway Sidings	1948	10560
157m NW	Railway Sidings	1898	2500
161m S	Railway Sidings	1964	-
161m S	Railway Sidings	1964	2500
161m SE	Railway Sidings	1964	2500
161m SE	Railway Sidings	1964	-
162m SE	Railway Sidings	1948	10560
162m SE	Railway Sidings	1913	10560
164m SE	Railway Sidings	1877	2500
170m W	Railway Sidings	1898	2500
174m E	Railway Sidings	1878	2500
191m NE	Railway Sidings	1948	10560
194m NW	Railway Sidings	1918	2500
196m W	Railway Sidings	1963	2500
197m W	Railway Sidings	1964	-
197m W	Railway Sidings	1964	2500



Location	Land Use	Year of mapping	Mapping scale
200m N	Railway Sidings	1942	2500
203m W	Railway Sidings	1877	2500
203m SW	Railway Sidings	1963	2500
204m N	Railway Sidings	1963	2500
204m N	Railway Sidings	1964	-
204m N	Railway Sidings	1964	2500
204m SW	Railway Sidings	1964	2500
204m SW	Railway Sidings	1964	-
219m N	Railway Sidings	1964	-
219m N	Railway Sidings	1964	2500
222m NW	Railway Sidings	1918	2500
223m W	Railway Sidings	1963	2500
223m W	Railway Sidings	1964	2500
223m W	Railway Sidings	1964	-
223m SW	Railway Sidings	1963	2500
226m SW	Railway Sidings	1964	-
226m SW	Railway Sidings	1964	2500
228m NW	Railway Sidings	1941	2500
229m NE	Railway Sidings	1948	10560
241m W	Railway Sidings	1960	2500
241m NW	Railway Sidings	1918	2500
242m NW	Railway Sidings	1918	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

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



to track level.

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

6

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 127**

Location	Description
146m SE	Abandoned
147m SE	Abandoned
147m SE	Abandoned
156m E	Dismantled
163m E	Abandoned
176m E	Abandoned

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.



21.9 Crossrail 2

Records within 500m**0**

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m**0**

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

This data is sourced from HS2 Ltd.



Data providers

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

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