

FORMER ALCOA MANUFACTURING, WAUNARLWYDD WORKS, U/S-Y1273, WAUNARLWYDD, SWANSEA, SA5 4SF

Order Details

Date: 02/12/2020
Your ref: Circular_Waste_Solutions
Our Ref: GS-7332810
Client: Sol Environment

Site Details

Location: 260482 196126
Area: 0.77 ha
Authority: [Abertawe - Swansea City and Borough Council](#)



Summary of findings

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Aerial image

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OS MasterMap site plan

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info@groundsure.com

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Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>14</u>	<u>1.1</u>	<u>Historical industrial land uses</u>	5	3	12	65	-
<u>18</u>	<u>1.2</u>	<u>Historical tanks</u>	11	0	15	19	-
<u>20</u>	<u>1.3</u>	<u>Historical energy features</u>	2	2	7	6	-
21	1.4	Historical petrol stations	0	0	0	0	-
21	1.5	Historical garages	0	0	0	0	-
21	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<u>22</u>	<u>2.1</u>	<u>Historical industrial land uses</u>	4	3	14	95	-
<u>27</u>	<u>2.2</u>	<u>Historical tanks</u>	20	0	22	34	-
<u>30</u>	<u>2.3</u>	<u>Historical energy features</u>	3	3	10	11	-
31	2.4	Historical petrol stations	0	0	0	0	-
31	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
<u>32</u>	<u>3.1</u>	<u>Active or recent landfill</u>	0	0	1	2	-
33	3.2	Historical landfill (BGS records)	0	0	0	0	-
<u>33</u>	<u>3.3</u>	<u>Historical landfill (LA/mapping records)</u>	0	0	0	4	-
<u>34</u>	<u>3.4</u>	<u>Historical landfill (EA/NRW records)</u>	0	0	2	1	-
<u>34</u>	<u>3.5</u>	<u>Historical waste sites</u>	0	0	0	2	-
<u>35</u>	<u>3.6</u>	<u>Licensed waste sites</u>	0	0	15	6	-
<u>41</u>	<u>3.7</u>	<u>Waste exemptions</u>	0	0	6	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>43</u>	<u>4.1</u>	<u>Recent industrial land uses</u>	8	3	16	-	-
45	4.2	Current or recent petrol stations	0	0	0	0	-
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	-



45	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	<u>Hazardous substance storage/usage</u>	0	0	1	0	-
46	4.9	<u>Historical licensed industrial activities (IPC)</u>	0	0	17	0	-
48	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	22	20	-
54	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	1	-
55	4.12	Radioactive Substance Authorisations	0	0	0	0	-
55	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	2	3	-
56	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
56	4.15	Pollutant release to public sewer	0	0	0	0	-
56	4.16	List 1 Dangerous Substances	0	0	0	0	-
56	4.17	<u>List 2 Dangerous Substances</u>	0	1	4	0	-
57	4.18	<u>Pollution Incidents (EA/NRW)</u>	1	0	0	10	-
58	4.19	Pollution inventory substances	0	0	0	0	-
59	4.20	Pollution inventory waste transfers	0	0	0	0	-
59	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
60	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
62	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
64	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
65	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
65	5.5	Groundwater vulnerability- local information	None (within 0m)				
66	5.6	Groundwater abstractions	0	0	0	0	0
67	5.7	<u>Surface water abstractions</u>	0	0	0	1	2
67	5.8	Potable abstractions	0	0	0	0	0
68	5.9	Source Protection Zones	0	0	0	0	-
68	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
69	6.1	<u>Water Network (OS MasterMap)</u>	0	1	6	-	-



70	6.2	<u>Surface water features</u>	0	1	4	-	-
70	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
71	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
71	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
72	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
72	7.2	Historical Flood Events	0	0	0	-	-
72	7.3	Flood Defences	0	0	0	-	-
72	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
73	7.5	Flood Storage Areas	0	0	0	-	-
74	7.6	Flood Zone 2	None (within 50m)				
74	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
75	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
77	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
78	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
79	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
79	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
79	10.4	Special Protection Areas (SPA)	0	0	0	0	0
79	10.5	National Nature Reserves (NNR)	0	0	0	0	0
80	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
80	10.7	<u>Designated Ancient Woodland</u>	0	0	0	5	31
82	10.8	Biosphere Reserves	0	0	0	0	0
82	10.9	Forest Parks	0	0	0	0	0
82	10.10	Marine Conservation Zones	0	0	0	0	0
82	10.11	Green Belt	0	0	0	0	0
82	10.12	Proposed Ramsar sites	0	0	0	0	0



83	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
83	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
83	10.15	Nitrate Sensitive Areas	0	0	0	0	0
83	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
84	10.17	SSSI Impact Risk Zones	0	-	-	-	-
84	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
85	11.1	World Heritage Sites	0	0	0	-	-
85	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
85	11.3	National Parks	0	0	0	-	-
85	11.4	Listed Buildings	0	0	0	-	-
86	11.5	Conservation Areas	0	0	0	-	-
86	11.6	Scheduled Ancient Monuments	0	0	0	-	-
86	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
87	<u>12.1</u>	<u>Agricultural Land Classification</u>	Grade 3b (within 250m)				
88	12.2	Open Access Land	0	0	0	-	-
88	12.3	Tree Felling Licences	0	0	0	-	-
88	12.4	Environmental Stewardship Schemes	0	0	0	-	-
88	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
89	13.1	Priority Habitat Inventory	0	0	0	-	-
89	13.2	Habitat Networks	0	0	0	-	-
89	13.3	Open Mosaic Habitat	0	0	0	-	-
89	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
90	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
91	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	1	0	1	11	-
93	<u>14.3</u>	<u>Superficial geology (10k)</u>	2	0	0	3	-

94	14.4	Landslip (10k)	0	0	0	0	-
95	14.5	<u>Bedrock geology (10k)</u>	1	0	1	8	-
96	14.6	<u>Bedrock faults and other linear features (10k)</u>	0	1	0	13	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
98	15.1	<u>50k Availability</u>	Identified (within 500m)				
99	15.2	<u>Artificial and made ground (50k)</u>	1	0	1	0	-
100	15.3	<u>Artificial ground permeability (50k)</u>	1	0	-	-	-
101	15.4	<u>Superficial geology (50k)</u>	2	0	0	0	-
102	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
102	15.6	Landslip (50k)	0	0	0	0	-
102	15.7	Landslip permeability (50k)	None (within 50m)				
103	15.8	<u>Bedrock geology (50k)</u>	1	0	1	4	-
104	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
104	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	1	0	11	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
106	16.1	BGS Boreholes	0	0	0	-	-
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>	Very low (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	1	0	-
117	18.3	<u>Surface ground workings</u>	0	0	5	-	-
118	18.4	<u>Underground workings</u>	0	0	1	7	37
119	18.5	Historical Mineral Planning Areas	0	0	0	0	-



120	18.6	Non-coal mining	0	0	0	0	0
120	18.7	Mining cavities	0	0	0	0	0
120	18.8	JPB mining areas	None (within 0m)				
120	18.9	<u>Coal mining</u>	Identified (within 0m)				
121	18.10	Brine areas	None (within 0m)				
121	18.11	Gypsum areas	None (within 0m)				
121	18.12	Tin mining	None (within 0m)				
121	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
122	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
123	20.1	<u>BGS Estimated Background Soil Chemistry</u>	4	0	-	-	-
123	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
124	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
125	21.1	Underground railways (London)	0	0	0	-	-
125	21.2	Underground railways (Non-London)	0	0	0	-	-
125	21.3	Railway tunnels	0	0	0	-	-
125	21.4	Historical railway and tunnel features	0	0	0	-	-
125	21.5	Royal Mail tunnels	0	0	0	-	-
126	21.6	Historical railways	0	0	0	-	-
126	21.7	Railways	0	0	0	-	-
126	21.8	Crossrail 1	0	0	0	0	-
126	21.9	Crossrail 2	0	0	0	0	-
126	21.10	HS2	0	0	0	0	-

Recent aerial photograph

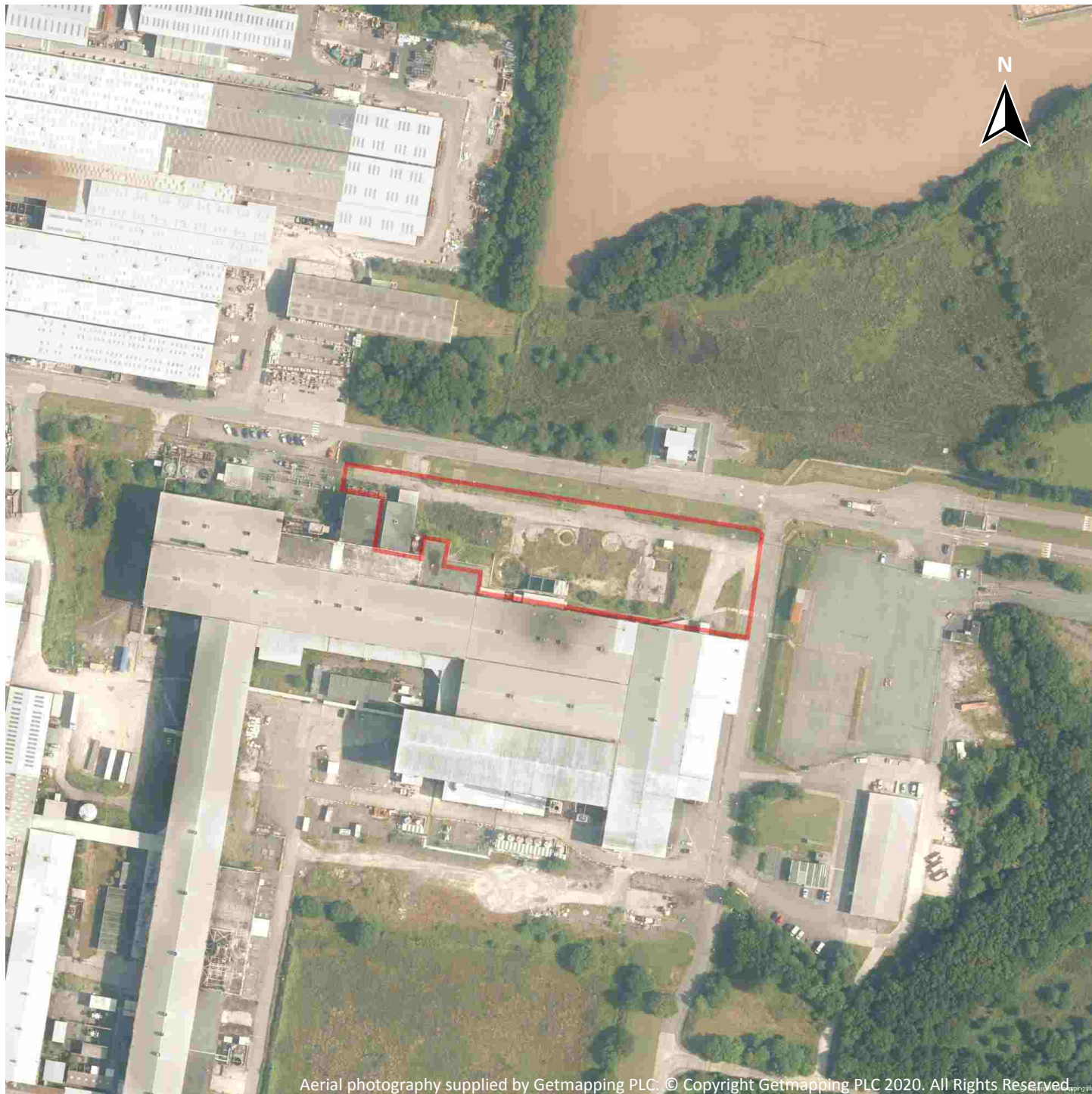


Capture Date: 25/05/2017

Site Area: 0.77ha



Recent site history - 2014 aerial photograph



Capture Date: 23/07/2014

Site Area: 0.77ha



Recent site history - 2009 aerial photograph



Capture Date: 12/10/2009

Site Area: 0.77ha



Recent site history - 2008 aerial photograph



Capture Date: 12/05/2008

Site Area: 0.77ha



Recent site history - 2000 aerial photograph

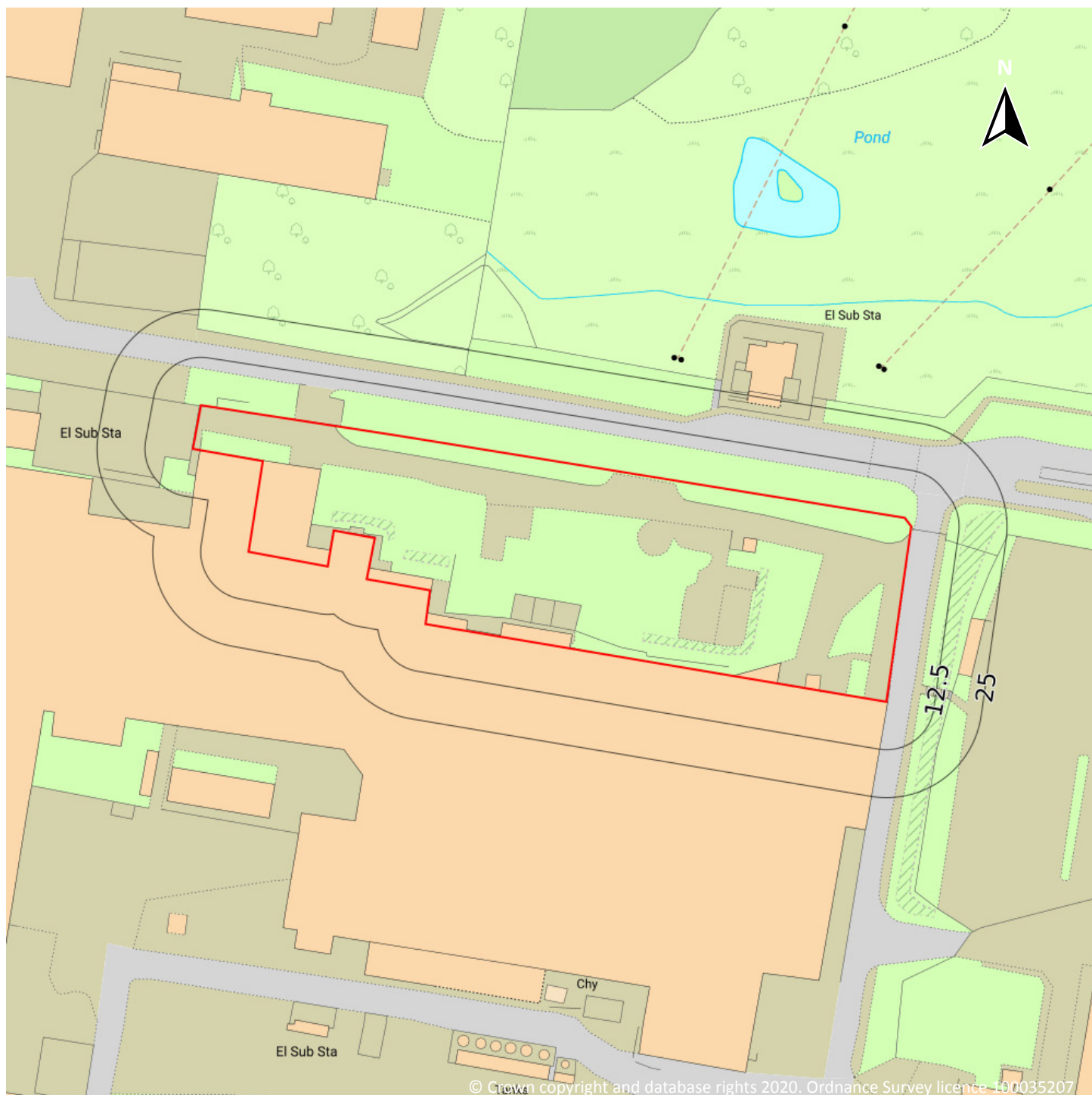


Capture Date: 24/08/2000

Site Area: 0.77ha

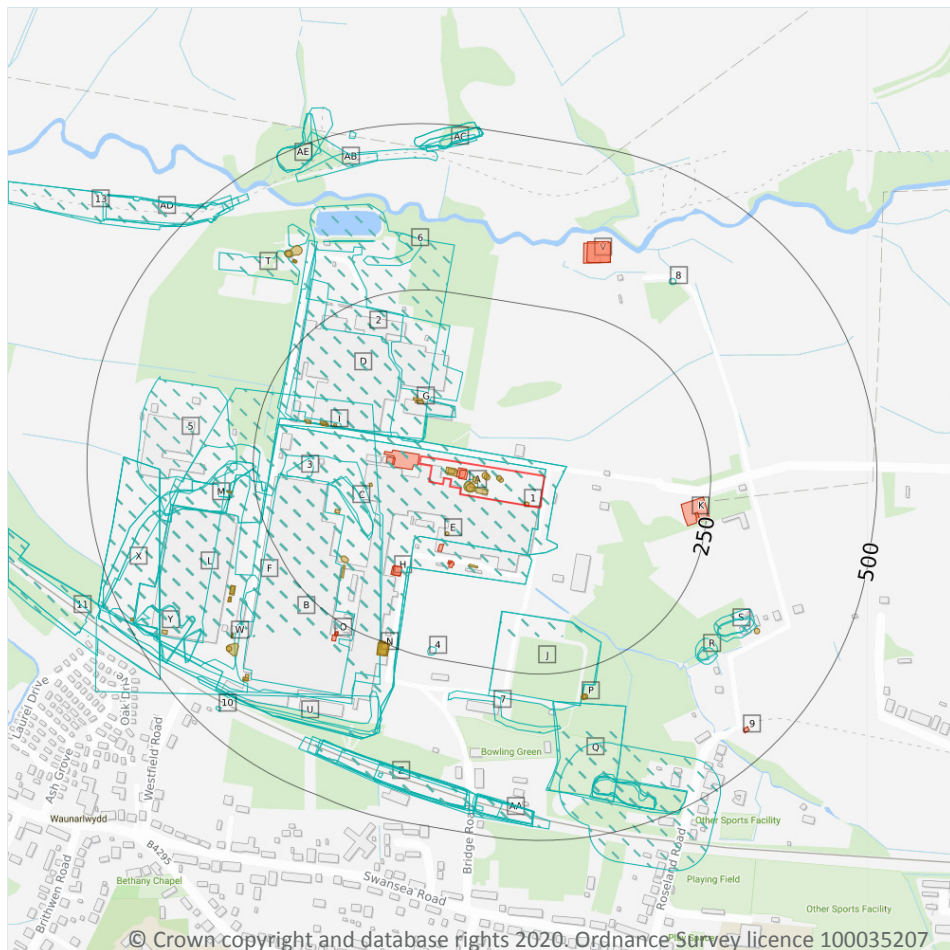


OS MasterMap site plan



Site Area: 0.77ha

1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

85

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Tank	1980 - 1994	372495



ID	Location	Land use	Dates present	Group ID
B	On site	Unspecified Works	1994	339316
B	On site	Unspecified Works	1992	339317
B	On site	Unspecified Works	1980	339373
B	On site	Unspecified Works	1988	339374
D	21m N	Unspecified Commercial/Industrial	1994	331129
D	22m N	Unspecified Factory	1980	320633
2	26m N	Unspecified Works	1968	362328
D	52m NW	Unspecified Works	1964	378118
F	65m W	Metal Works	1947	318672
F	89m W	Unspecified Works	1964 - 1967	368204
C	101m SW	Gravel Pit	1968	328650
C	103m SW	Refuse Heap	1964	338751
B	137m SW	Unspecified Works	1968	369787
3	160m W	Unspecified Pit	1964	335482
J	162m S	Unspecified Works	1964 - 1968	349241
J	163m S	Unspecified Commercial/Industrial	1980	331138
L	233m W	Unspecified Works	1968	357417
4	233m S	Old Coal Pit	1897	321356
M	246m W	Refuse Heap	1964	363508
M	251m W	Gravel Pit	1968	328652
L	256m W	Railway Sidings	1947	378009
5	275m W	Refuse Heap	1992 - 1994	367553
6	288m N	Gravel Pit	1968	328651
7	291m S	Unspecified Ground Workings	1964 - 1968	357893
Q	292m S	Disused Colliery	1921 - 1938	367879
Q	292m S	Disused Colliery	1897	373738
R	313m SE	Unspecified Heap	1897	362915
S	315m SE	Unspecified Heap	1897	371322



ID	Location	Land use	Dates present	Group ID
T	318m NW	Sludge Beds	1980 - 1994	360261
R	321m SE	Unspecified Heap	1936 - 1947	343919
S	323m SE	Unspecified Heap	1913	364070
S	323m SE	Unspecified Heap	1936 - 1947	374308
U	323m SW	Unspecified Ground Workings	1964	333516
R	324m SE	Unspecified Heap	1913	361632
U	328m S	Unspecified Pit	1948	335483
8	346m NE	Unspecified Tank	1964	319910
T	358m NW	Unspecified Tank	1964 - 1968	379478
Q	364m S	Disused Colliery	1948	358677
T	364m NW	Refuse Heap	1980	338759
X	390m W	Unspecified Works	1974	372920
X	393m W	Refuse Heap	1988	344288
X	393m W	Refuse Heap	1974	373502
Y	408m SW	Unspecified Heaps	1938	353878
Y	409m SW	Unspecified Pit	1938	349818
Y	409m SW	Unspecified Heap	1936	326875
Y	410m SW	Unspecified Pit	1936	379996
Q	410m S	Refuse Heap	1897	347859
Q	414m S	Refuse Heap	1948	342307
Q	414m S	Refuse Heap	1921	362810
Q	416m S	Refuse Heap	1914	362340
Q	416m S	Disused Colliery	1914	377420
Z	419m S	Cuttings	1948	343077
Z	419m S	Cuttings	1921	352647
Z	419m S	Cuttings	1914	346510
Q	420m S	Refuse Heap	1938	378148
Z	420m S	Cuttings	1938	355342



ID	Location	Land use	Dates present	Group ID
Z	420m S	Cuttings	1897	366894
Z	422m S	Cuttings	1964 - 1994	343069
Z	424m S	Cuttings	1878	365327
Z	436m S	Railway Building	1878	323351
AA	439m S	Cuttings	1878 - 1897	366331
AA	441m S	Cuttings	1921	342615
AA	441m S	Cuttings	1948	355019
AA	443m S	Cuttings	1938	371729
AB	445m N	Railway Sidings	1938 - 1947	353553
AB	449m N	Mineral Railway Sidings	1913	332670
AA	457m S	Railway Building	1878	323350
AC	458m N	Cuttings	1878	336891
AC	462m N	Unspecified Ground Workings	1947	376461
10	462m SW	Railway Building	1921	323348
AC	463m N	Unspecified Heap	1936	370751
AC	465m N	Unspecified Heap	1938	376081
AD	465m NW	Railway Sidings	1936	337507
AC	466m N	Unspecified Ground Workings	1897	354634
AC	466m N	Unspecified Heap	1913	375066
11	467m NW	Mineral Railway Sidings	1938 - 1964	352030
AE	468m NW	Unspecified Heap	1980 - 1994	351035
AE	468m NW	Unspecified Disused Drift	1964 - 1968	369531
AD	468m NW	Mineral Railway Sidings	1938 - 1947	347038
Y	468m SW	Railway Sidings	1974	349828
12	469m SW	Railway Sidings	1878 - 1967	368751
AE	469m NW	Unspecified Heap	1936 - 1947	348503
13	471m NW	Mineral Railway Sidings	1913	355057
AB	488m N	Unspecified Disused Drift	1980 - 1994	364829

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

45

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
1	On site	Unspecified Tank	1990 - 1993	40762
A	On site	Tanks	1986 - 1993	41618
A	On site	Unspecified Tank	1993	40858
A	On site	Unspecified Tank	1993	41194
A	On site	Unspecified Tank	1986 - 1990	41573
A	On site	Unspecified Tank	1986 - 1993	41624
A	On site	Unspecified Tank	1993	41930
A	On site	Unspecified Tank	1986 - 1990	42443
A	On site	Unspecified Tank	1993	42553
A	On site	Unspecified Tank	1986 - 1990	42736
A	On site	Unspecified Tank	1986 - 1990	42826
E	60m S	Unspecified Tank	1986	37764
C	78m W	Tanks	1971	39423
G	79m N	Unspecified Tank	1993	37760
G	83m N	Unspecified Tank	1990	37761
E	101m S	Tanks	1994	39425
I	135m W	Unspecified Tank	1971	37759
C	138m SW	Unspecified Tank	1971 - 1986	41844
I	147m W	Tanks	1993	40530
I	149m W	Tanks	1971 - 1990	43608
B	168m SW	Unspecified Tank	1990 - 1993	42746



ID	Location	Land use	Dates present	Group ID
I	172m W	Tanks	1971 - 1993	44263
B	178m SW	Tanks	1971	39424
N	246m SW	Tanks	1994	42940
N	248m SW	Tanks	1982	40451
N	250m SW	Tanks	1986	42206
M	286m W	Unspecified Tank	1990 - 1993	42404
P	288m S	Unspecified Tank	1958 - 1982	43635
P	288m S	Unspecified Tank	1986	39968
L	331m SW	Tanks	1971 - 1982	42914
L	332m SW	Tanks	1986	42199
L	344m SW	Tanks	1971 - 1982	40893
L	346m SW	Tanks	1986	44289
T	346m NW	Unspecified Tank	1986 - 1993	44525
T	347m NW	Unspecified Tank	1958 - 1971	43522
T	354m NW	Tanks	1993	39434
T	359m NW	Unspecified Tank	1958 - 1990	40651
S	371m SE	Unspecified Tank	1879	37763
W	373m SW	Unspecified Tank	1971	37768
W	378m SW	Tanks	1971 - 1994	42857
W	388m SW	Unspecified Tank	1982	37769
W	397m SW	Tanks	1986	44704
W	401m SW	Tanks	1971 - 1982	40768
Y	453m SW	Unspecified Tank	1971	37767
Y	489m SW	Unspecified Tank	1965	37766

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

17

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	On site	Electricity Substation	1986 - 1990	21027
A	On site	Electricity Substation	1993	21828
C	3m W	Electricity Substation	1986 - 1990	20380
C	38m W	Electricity Substation	1993	22295
E	79m S	Electricity Substation	1986	19163
E	101m S	Electricity Substation	1990	22776
E	102m S	Electricity Substation	1993 - 1994	21645
H	135m S	Electricity Substation	1986 - 1994	22938
H	135m S	Electricity Substation	1982	23620
K	209m E	Electricity Substation	1986 - 1990	22426
K	232m E	Electricity Substation	1993	21894
O	264m SW	Electricity Substation	1994	20508
O	265m SW	Electricity Substation	1971 - 1986	23084
O	270m SW	Electricity Substation	1982	21031
V	325m N	Electricity Substation	1993	21174
V	328m N	Electricity Substation	1971 - 1990	21507
9	453m SE	Electricity Substation	1982 - 1994	21189

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m**0**

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m**0**

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

This data is sourced from Ordnance Survey / Groundsure.

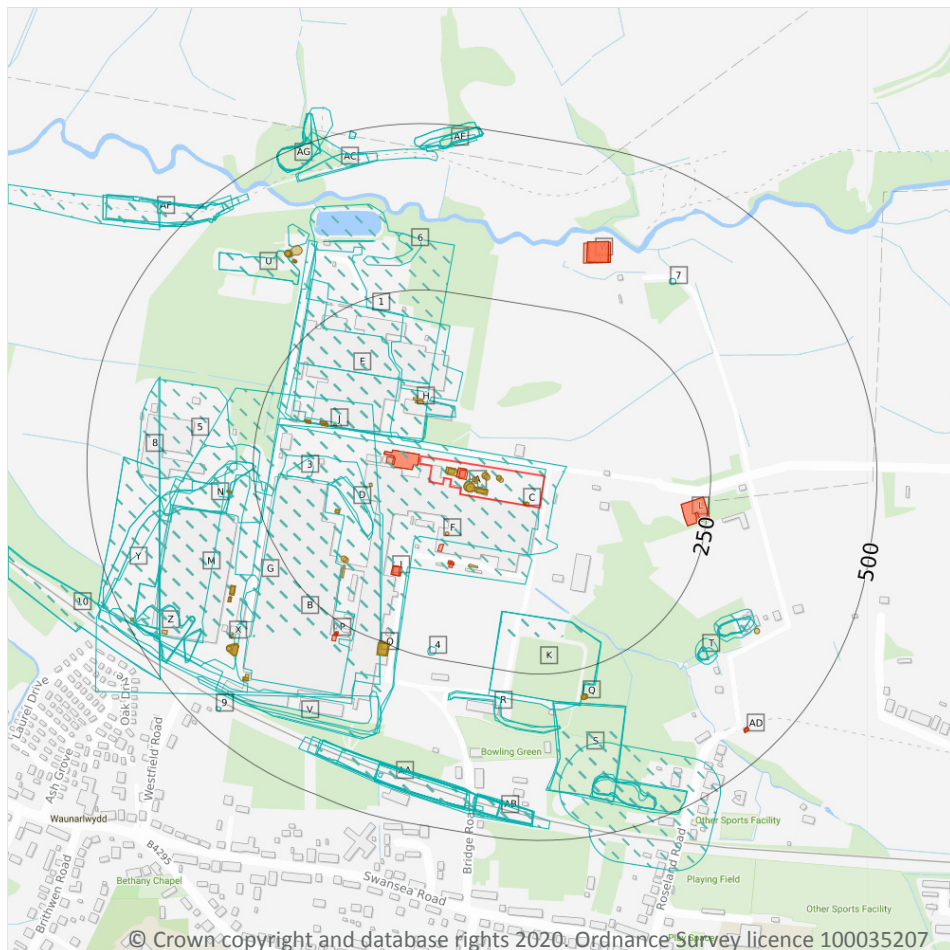
1.6 Historical military land

Records within 500m**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

2.1 Historical industrial land uses

Records within 500m

116

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

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

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1994	372495
A	On site	Unspecified Tank	1980	372495
B	On site	Unspecified Works	1994	339316



ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Works	1980	339373
E	21m N	Unspecified Commercial/Industrial	1994	331129
E	22m N	Unspecified Factory	1980	320633
E	26m N	Unspecified Works	1968	362328
E	52m NW	Unspecified Works	1964	378118
G	65m W	Metal Works	1947	318672
G	89m W	Unspecified Works	1964	368204
D	101m SW	Gravel Pit	1968	328650
D	103m SW	Refuse Heap	1964	338751
1	109m N	Unspecified Works	1968	362328
2	137m SW	Unspecified Works	1968	369787
3	160m W	Unspecified Pit	1964	335482
K	162m S	Unspecified Works	1964	349241
K	163m S	Unspecified Commercial/Industrial	1980	331138
K	163m S	Unspecified Works	1968	349241
M	233m W	Unspecified Works	1968	357417
4	233m S	Old Coal Pit	1897	321356
N	246m W	Refuse Heap	1964	363508
N	251m W	Gravel Pit	1968	328652
M	256m W	Railway Sidings	1947	378009
5	275m W	Refuse Heap	1994	367553
6	288m N	Gravel Pit	1968	328651
R	291m S	Unspecified Ground Workings	1968	357893
R	291m S	Unspecified Ground Workings	1964	357893
S	292m S	Disused Colliery	1938	367879
S	292m S	Disused Colliery	1897	373738
S	294m S	Disused Colliery	1921	367879
T	313m SE	Unspecified Heap	1897	362915

ID	Location	Land Use	Date	Group ID
T	315m SE	Unspecified Heap	1897	371322
U	318m NW	Sludge Beds	1994	360261
U	318m NW	Sludge Beds	1980	360261
T	321m SE	Unspecified Heap	1936	343919
T	321m SE	Unspecified Heap	1947	343919
T	321m SE	Unspecified Heap	1938	343919
T	321m SE	Unspecified Heap	1938	343919
T	323m SE	Unspecified Heap	1913	364070
T	323m SE	Unspecified Heap	1938	374308
T	323m SE	Unspecified Heap	1938	374308
V	323m SW	Unspecified Ground Workings	1964	333516
T	324m SE	Unspecified Heap	1936	374308
T	324m SE	Unspecified Heap	1947	374308
T	324m SE	Unspecified Heap	1913	361632
V	328m S	Unspecified Pit	1948	335483
7	346m NE	Unspecified Tank	1964	319910
U	358m NW	Unspecified Tank	1968	379478
U	360m NW	Unspecified Tank	1964	379478
S	364m S	Disused Colliery	1948	358677
U	364m NW	Refuse Heap	1980	338759
Y	390m W	Unspecified Works	1988	339374
Y	390m W	Unspecified Works	1974	372920
8	391m W	Refuse Heap	1992	367553
Y	393m W	Refuse Heap	1988	344288
Y	393m W	Refuse Heap	1974	373502
Z	408m SW	Unspecified Heaps	1938	353878
Z	408m SW	Unspecified Heaps	1938	353878
Z	409m SW	Unspecified Pit	1938	349818

ID	Location	Land Use	Date	Group ID
Z	409m SW	Unspecified Pit	1938	349818
Z	409m SW	Unspecified Heap	1936	326875
Z	410m SW	Unspecified Pit	1936	379996
S	410m S	Refuse Heap	1897	347859
S	414m S	Refuse Heap	1948	342307
S	414m S	Refuse Heap	1921	362810
S	416m S	Refuse Heap	1914	362340
S	416m S	Disused Colliery	1914	377420
AA	419m S	Cuttings	1921	352647
AA	419m S	Cuttings	1948	343077
AA	419m S	Cuttings	1914	346510
S	420m S	Refuse Heap	1938	378148
AA	420m S	Cuttings	1938	355342
AA	420m S	Cuttings	1897	366894
Z	421m W	Unspecified Works	1992	339317
AA	422m S	Cuttings	1964	343069
AA	422m S	Cuttings	1994	343069
AA	422m S	Cuttings	1980	343069
AA	422m S	Cuttings	1968	343069
AA	424m S	Cuttings	1878	365327
Z	425m SW	Unspecified Works	1967	368204
AA	436m S	Railway Building	1878	323351
AB	439m S	Cuttings	1897	366331
AB	441m S	Cuttings	1921	342615
AB	441m S	Cuttings	1948	355019
AB	441m S	Cuttings	1878	366331
AB	443m S	Cuttings	1938	371729
AC	445m N	Railway Sidings	1947	353553

ID	Location	Land Use	Date	Group ID
AC	448m N	Railway Sidings	1938	353553
AC	449m N	Mineral Railway Sidings	1913	332670
AB	457m S	Railway Building	1878	323350
AE	458m N	Cuttings	1878	336891
AE	462m N	Unspecified Ground Workings	1947	376461
9	462m SW	Railway Building	1921	323348
AE	463m N	Unspecified Heap	1936	370751
AE	465m N	Unspecified Heap	1938	376081
AE	465m N	Unspecified Heap	1938	376081
AF	465m NW	Railway Sidings	1936	337507
AE	466m N	Unspecified Ground Workings	1897	354634
AE	466m N	Unspecified Heap	1913	375066
AF	467m NW	Mineral Railway Sidings	1964	352030
AG	468m NW	Unspecified Heap	1994	351035
AG	468m NW	Unspecified Heap	1980	351035
AG	468m NW	Unspecified Disused Drift	1968	369531
AF	468m NW	Mineral Railway Sidings	1938	347038
Z	468m SW	Railway Sidings	1974	349828
10	469m SW	Railway Sidings	1967	368751
11	469m SW	Mineral Railway Sidings	1964	352030
AG	469m NW	Unspecified Heap	1936	348503
AG	469m NW	Unspecified Heap	1947	348503
AG	470m NW	Unspecified Heap	1938	348503
AG	470m NW	Unspecified Heap	1938	348503
AG	471m NW	Unspecified Disused Drift	1964	369531
AF	471m NW	Mineral Railway Sidings	1913	355057
AF	471m NW	Mineral Railway Sidings	1947	347038
AC	488m N	Unspecified Disused Drift	1994	364829



ID	Location	Land Use	Date	Group ID
AC	488m N	Unspecified Disused Drift	1980	364829

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	76
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1986	42826
A	On site	Unspecified Tank	1986	41573
A	On site	Unspecified Tank	1986	41624
A	On site	Tanks	1986	41618
A	On site	Unspecified Tank	1986	42443
A	On site	Unspecified Tank	1986	42736
A	On site	Unspecified Tank	1990	42826
A	On site	Unspecified Tank	1990	41624
A	On site	Unspecified Tank	1990	42443
A	On site	Unspecified Tank	1990	42736
A	On site	Tanks	1990	41618
A	On site	Unspecified Tank	1990	41573
A	On site	Unspecified Tank	1993	41194
A	On site	Unspecified Tank	1993	40858
A	On site	Unspecified Tank	1993	41930
A	On site	Unspecified Tank	1993	42553
A	On site	Tanks	1993	41618
A	On site	Unspecified Tank	1993	41624
C	On site	Unspecified Tank	1990	40762

ID	Location	Land Use	Date	Group ID
C	On site	Unspecified Tank	1993	40762
F	60m S	Unspecified Tank	1986	37764
D	78m W	Tanks	1971	39423
H	79m N	Unspecified Tank	1993	37760
H	83m N	Unspecified Tank	1990	37761
F	101m S	Tanks	1994	39425
J	135m W	Unspecified Tank	1971	37759
D	138m SW	Unspecified Tank	1971	41844
D	139m SW	Unspecified Tank	1986	41844
J	147m W	Tanks	1993	40530
J	149m W	Tanks	1971	43608
J	151m W	Tanks	1986	43608
J	151m W	Tanks	1990	43608
B	168m SW	Unspecified Tank	1993	42746
B	169m SW	Unspecified Tank	1990	42746
J	172m W	Tanks	1993	44263
J	174m W	Tanks	1971	44263
J	175m W	Tanks	1986	44263
J	175m W	Tanks	1990	44263
B	178m SW	Tanks	1971	39424
O	246m SW	Tanks	1994	42940
O	248m SW	Tanks	1982	40451
O	250m SW	Tanks	1986	42206
N	286m W	Unspecified Tank	1993	42404
N	286m W	Unspecified Tank	1990	42404
Q	288m S	Unspecified Tank	1982	43635
Q	288m S	Unspecified Tank	1971	43635
Q	288m S	Unspecified Tank	1958	43635



ID	Location	Land Use	Date	Group ID
Q	288m S	Unspecified Tank	1986	39968
M	331m SW	Tanks	1982	42914
M	331m SW	Tanks	1971	42914
M	332m SW	Tanks	1986	42199
M	344m SW	Tanks	1982	40893
M	344m SW	Tanks	1971	40893
M	346m SW	Tanks	1986	44289
U	346m NW	Unspecified Tank	1993	44525
U	347m NW	Unspecified Tank	1971	43522
U	347m NW	Unspecified Tank	1958	43522
U	348m NW	Unspecified Tank	1986	44525
U	348m NW	Unspecified Tank	1990	44525
U	354m NW	Tanks	1993	39434
U	359m NW	Unspecified Tank	1971	40651
U	359m NW	Unspecified Tank	1958	40651
U	360m NW	Unspecified Tank	1986	40651
U	360m NW	Unspecified Tank	1990	40651
T	371m SE	Unspecified Tank	1879	37763
X	373m SW	Unspecified Tank	1971	37768
X	378m SW	Tanks	1994	42857
X	378m SW	Tanks	1982	42857
X	378m SW	Tanks	1971	42857
X	378m SW	Tanks	1986	42857
X	388m SW	Unspecified Tank	1982	37769
X	397m SW	Tanks	1986	44704
X	401m SW	Tanks	1982	40768
X	401m SW	Tanks	1971	40768
Z	453m SW	Unspecified Tank	1971	37767



ID	Location	Land Use	Date	Group ID
Z	489m SW	Unspecified Tank	1965	37766

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	27
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land Use	Date	Group ID
A	On site	Electricity Substation	1986	21027
A	On site	Electricity Substation	1990	21027
A	On site	Electricity Substation	1993	21828
D	3m W	Electricity Substation	1986	20380
D	3m W	Electricity Substation	1990	20380
D	38m W	Electricity Substation	1993	22295
F	79m S	Electricity Substation	1986	19163
F	101m S	Electricity Substation	1990	22776
F	102m S	Electricity Substation	1993	21645
F	104m S	Electricity Substation	1994	21645
I	135m S	Electricity Substation	1994	22938
I	135m S	Electricity Substation	1982	23620
I	136m S	Electricity Substation	1986	22938
L	209m E	Electricity Substation	1986	22426
L	209m E	Electricity Substation	1990	22426
L	232m E	Electricity Substation	1993	21894
P	264m SW	Electricity Substation	1994	20508
P	265m SW	Electricity Substation	1971	23084
P	267m SW	Electricity Substation	1986	23084



ID	Location	Land Use	Date	Group ID
P	270m SW	Electricity Substation	1982	21031
W	325m N	Electricity Substation	1993	21174
W	328m N	Electricity Substation	1971	21507
W	328m N	Electricity Substation	1986	21507
W	328m N	Electricity Substation	1990	21507
AD	453m SE	Electricity Substation	1994	21189
AD	453m SE	Electricity Substation	1986	21189
AD	454m SE	Electricity Substation	1982	21189

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

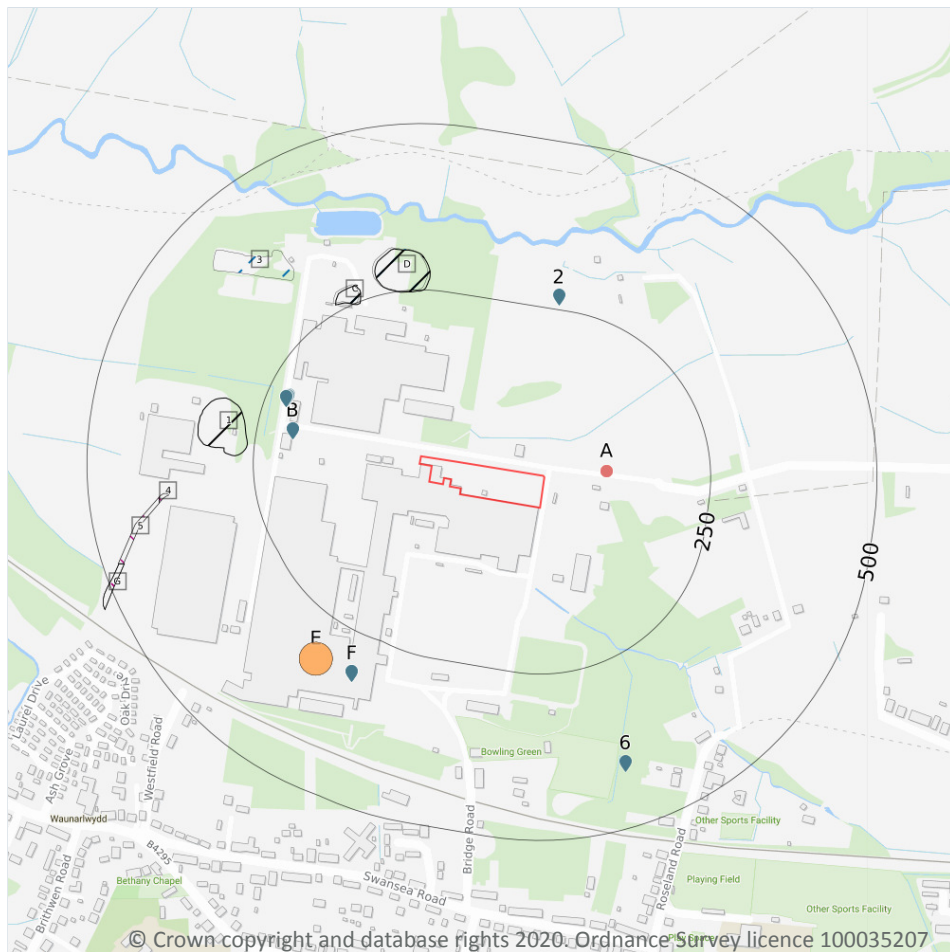
Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Active or recent landfill
- Historical landfill (EA/NRW)
- Historical landfill (LA/OS)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

3

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 32**

ID	Location	Details	
D	249m N	Operator: Timet U K Ltd Site Address: Titanium Plant, Waunarlwydd, SA1 1XD	WML Number: 34005 EPR Reference: IMP003 Landfill type: A7 : Industrial Waste Landfill (Factory curtilage) Status: Closure IPPC Reference: - EPR Number: EAEP\EA/EPR/YP3895FY/A001



ID	Location	Details	
C	250m NW	Operator: Timet U K Ltd Site Address: Titanium Plant, Waunarlwydd, SA1 1XD	WML Number: 34005 EPR Reference: IMP003 Landfill type: A7 : Industrial Waste Landfill (Factory curtilage) Status: Closure IPPC Reference: - EPR Number: EAEPR\EA/EPR/YP3895FY/A001
3	328m NW	Operator: Timet U K Ltd Site Address: Titanium Plant, Waunarlwydd, SA1 1XD	WML Number: 34005 EPR Reference: IMP003 Landfill type: A7 : Industrial Waste Landfill (Factory curtilage) Status: Closure IPPC Reference: - EPR Number: EAEPR\EA/EPR/YP3895FY/A001

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

3.2 Historical landfill (BGS records)

Records within 500m	0
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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	4
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Landfill sites identified from Local Authority records and high detail historical mapping.

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

ID	Location	Site address	Source	Data type
4	380m W	Refuse Tip	1971 mapping	Polygon
5	395m W	Refuse Tip	1965 mapping	Polygon
G	468m W	Refuse Tip	1965 mapping	Polygon
G	468m W	Refuse Tip	1974 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

3

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

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

ID	Location	Details		
C	247m NW	Site Address: IMI Titanium And Alcoa No.1 Licence Holder Address: Titanium Plant, Waunarlwydd, Swansea	Waste Licence: Yes Site Reference: L1/4, SWW 6L SW, W/24/L Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 22/03/1977 Licence Surrender: -	Operator: - Licence Holder: Imperial Metal Industries Limited First Recorded 31/12/1957 Last Recorded: -
D	247m N	Site Address: IMI Titanium And Alcoa No.1 Licence Holder Address: Titanium Plant, Waunarlwydd, Swansea	Waste Licence: Yes Site Reference: L1/4, SWW 6L SW, W/24/L Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 22/03/1977 Licence Surrender: -	Operator: - Licence Holder: Imperial Metal Industries Limited First Recorded 31/12/1957 Last Recorded: -
1	260m W	Site Address: Alcoa Manufacturing G B Limited Licence Holder Address: Waunarlwydd Works, PO Box 68, Waunarlwydd, Swansea	Waste Licence: Yes Site Reference: EC7/77, L1/7, 6855/0048 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: WV1/L/ALC001 Licence Issue: 07/09/1977 Licence Surrender: 23/11/2001	Operator: - Licence Holder: Alcoa Manufacturing GB Limited First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

2

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

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



ID	Location	Address	Further Details	Date
E	290m SW	Site Address: Alcoa, Waunarlwydd, SWANSEA, West Glamorgan, SA5 4SF	Type of Site: Waste Transfer Station Planning application reference: 2006/2503 Description: Scheme comprises proposed use of former industrial building (Class B2) for the composting of green waste and collected source separated food wastes (meat) and for the recovery of recyclable materials and their preparation (including packing and baling) for transfer to other off site facilities for reuse, recovery or recycling. An application (ref: 2006/2503) for detailed planning permission was granted by Swansea C.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
E	290m SW	Site Address: Waunarlwydd Works, Waunarlwydd, SWANSEA, West Glamorgan, SA5 4SF	Type of Site: Aluminium Recycling Plant Planning application reference: 97/0572 Description: Scheme provides the construction of an aluminium recycling plant with a furnace building of 2713 sqm with silos and cooling towers, and an office/facilities building of 567 sqm comprising workshop of 264 sqm, offices totalling 287 sqm and laboratory of 60 sqm. Scheme also includes six roller shutter doors. Construction - concrete/profiled steel cladding walls; profiled steel sheeting roof; six roller shutter doors; steel frame frame. An application (ref: 97/0572) for Detailed Planning permission was granted by Swansea C.C. on 30th July 1997. Data source: Historic Planning Application Data Type: Point	01/12/1997

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

3.6 Licensed waste sites

Records within 500m	21
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 32**



ID	Location	Details		
B	197m W	Site Name: Alcoa Manuafacturing G B Ltd Site Address: P O Box 68, Waunarlwydd, Swansea, SA1 1XH Correspondence Address: P O Box 68, Waunarlwydd, Swansea, SA1 1XH	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ALC001 EPR reference: - Operator: Alcoa Manufacturing G B Ltd Waste Management licence No: 34021 Annual Tonnage: 0	Issue Date: 30/11/1988 Effective Date: - Modified:: - Surrendered Date: 23/11/2001 Expiry Date: - Cancelled Date: - Status: Surrendered
B	197m W	Site Name: Alcoa Manuafacturing G B Ltd Site Address: P O Box 68, Waunarlwydd, Swansea, SA1 1XH Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ALC001 EPR reference: JP3795FM/S002 Operator: Alcoa Manufacturing G B Ltd Waste Management licence No: 34021 Annual Tonnage: 75000	Issue Date: 30/11/1988 Effective Date: - Modified:: - Surrendered Date: 2.00111e+016 Expiry Date: 0 Cancelled Date: 0 Status: Surrendered
B	197m W	Site Name: Alcoa Manuafacturing G B Ltd Site Address: P O Box 68, Waunarlwydd, Swansea, SA1 1XH Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ALC001 EPR reference: EA/EPR/JP3795FM/S002 Operator: Alcoa Manufacturing G B Ltd Waste Management licence No: 34021 Annual Tonnage: 75000	Issue Date: 30/11/1988 Effective Date: - Modified:: - Surrendered Date: 23/11/2001 Expiry Date: - Cancelled Date: - Status: Surrendered
B	218m NW	Site Name: Timet Lagoon Site Address: - Correspondence Address: -	Type of Site: Lagoon Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: IMP002 EPR reference: YP3595FE/A001 Operator: Timet U K Ltd Waste Management licence No: 34004 Annual Tonnage: 800	Issue Date: 08/08/1977 Effective Date: - Modified:: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Closure



ID	Location	Details		
B	219m NW	Site Name: - Site Address: Timet Lagoon, Waunarlyydd, Swansea, SA1 1XD Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: YP3595FE EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 0 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
B	219m NW	Site Name: - Site Address: - Correspondence Address: -	Type of Site: Lagoon Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: YP3595FE EPR reference: - Operator: - Waste Management licence No: 34004 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: 21/05/2002 Cancelled Date: - Status: Effective
B	219m NW	Site Name: - Site Address: Timet Lagoon, Waunarlyydd, SA1 1XD Correspondence Address: -	Type of Site: Lagoon Size: - Environmental Permitting Regulations (Waste) Licence Number: YP3595FE EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 34004 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: 21/05/2002 Cancelled Date: - Status: Effective
B	219m NW	Site Name: - Site Address: Timet Lagoon, Waunarlyydd, Swansea, SA1 1XD Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: YP3595FE EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 34004 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: 21/05/2002 Cancelled Date: - Status: Effective



ID	Location	Details		
B	219m NW	Site Name: - Site Address: Timet Lagoon, Waunarwydd, SA1 1XD Correspondence Address: -	Type of Site: Lagoon Size: - Environmental Permitting Regulations (Waste) Licence Number: YP3595FE EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 34004 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: 21/05/2002 Cancelled Date: - Status: Effective
B	220m NW	Site Name: Timet Landfill Site Address: - Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: IMP003 EPR reference: YP3895FY/A001 Operator: Timet U K Ltd Waste Management licence No: 34005 Annual Tonnage: 368	Issue Date: 08/08/1977 Effective Date: - Modified:: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Closure
B	221m NW	Site Name: - Site Address: Timet Landfill, Waunarwydd, Swansea, SA1 1XD Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: YP3895FY EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 0 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
B	221m NW	Site Name: - Site Address: - Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: YP3895FY EPR reference: - Operator: - Waste Management licence No: 34005 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: 21/05/2002 Cancelled Date: - Status: Effective



ID	Location	Details		
B	221m NW	Site Name: - Site Address: Timet Landfill, Waunarlyydd, SA1 1XD Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: - Environmental Permitting Regulations (Waste) Licence Number: YP3895FY EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 34005 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: 21/05/2002 Cancelled Date: - Status: Effective
B	221m NW	Site Name: - Site Address: Timet Landfill, Waunarlyydd, Swansea, SA1 1XD Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: YP3895FY EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 34005 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: 21/05/2002 Cancelled Date: - Status: Effective
B	221m NW	Site Name: - Site Address: Timet Landfill, Waunarlyydd, SA1 1XD Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: - Environmental Permitting Regulations (Waste) Licence Number: YP3895FY EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 34005 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: 08/08/1977 Modified:: - Surrendered Date: - Expiry Date: 21/05/2002 Cancelled Date: - Status: Effective
2	268m N	Site Name: Timet Lagoon (formerly I M I Titanium Ltd) Site Address: - Correspondence Address: Po Box 704, Witton, Birmingham, B6 7UR	Type of Site: Lagoon Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: IMP002 EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 34004 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure

ID	Location	Details		
F	311m S	Site Name: - Site Address: Westfield Industrial Estate Soil and Aggregate Treatment Facility, Westfield Industrial Park, Waunarlwydd, Swansea, SA5 4SF Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: AB3395FG EPR reference: - Operator: - Waste Management licence No: 0 Annual Tonnage: 75000	Issue Date: 09/02/2017 Effective Date: 09/02/2017 Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
F	311m S	Site Name: - Site Address: Westfield Industrial Estate Soil and Aggregate Treatment Facility, Westfield Industrial Park, Waunarlwydd, Swansea, SA5 4SF Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: - Environmental Permitting Regulations (Waste) Licence Number: AB3395FG EPR reference: - Operator: Mr John Richard Llewellyn Jenkins and Mrs Rosemarie Celia Jenkins Waste Management licence No: 0 Annual Tonnage: 75000	Issue Date: 09/02/2017 Effective Date: 09/02/2017 Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
F	311m S	Site Name: - Site Address: Westfield Industrial Estate Soil and Aggregate Treatment Facility, Westfield Industrial Park, Waunarlwydd, Swansea, SA5 4SF Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: - Environmental Permitting Regulations (Waste) Licence Number: AB3395FG EPR reference: - Operator: Mr John Richard Llewellyn Jenkins and Mrs Rosemarie Celia Jenkins Waste Management licence No: 0 Annual Tonnage: 75000	Issue Date: 09/02/2017 Effective Date: 09/02/2017 Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
F	311m S	Site Name: - Site Address: Westfield Industrial Estate Soil and Aggregate Treatment Facility, Westfield Industrial Park, Swansea, Swansea, SA5 4SF Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: AB3395FG EPR reference: - Operator: Mr John Richard Llewellyn Jenkins and Mrs Rosemarie Celia Jenkins Waste Management licence No: 0 Annual Tonnage: 75000	Issue Date: 09/02/2017 Effective Date: 09/02/2017 Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective



ID	Location	Details		
6	404m S	Site Name: Timet Landfill (formerly I M I Titanium Ltd) Site Address: Titanium Plant, Waunarlwydd, Swansea, SA1 1XD Correspondence Address: Po Box 704, Witton, Birmingham, B6 7UR	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: IMP003 EPR reference: - Operator: Timet U K Ltd Waste Management licence No: 34005 Annual Tonnage: 0	Issue Date: 08/08/1977 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure

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

3.7 Waste exemptions

Records within 500m	6
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

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

ID	Location	Site	Reference	Category	Sub-Category	Description
A	94m E	Eg power ltd, eg power, Westfield Industrial Park, Waunarlwydd, Swansea, Abertawe, SA5 4SF	NRW-WME051087	Treating waste exemption	Waste Exemption - Agricultural and Non-Agricultural	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	94m E	Eg power ltd, eg power, Westfield Industrial Park, Waunarlwydd, Swansea, Abertawe, SA5 4SF	NRW-WME051088	Using waste exemption	Waste Exemption - Agricultural and Non-Agricultural	Burning of waste as a fuel in a small appliance
A	94m E	THE TREATMENT HUB LTD, BUILDING 2, WESTFIELD IND PARK, SWANSEA, SWANSEA, SA5 4SF	NRW-WME043843	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	94m E	THE TREATMENT HUB LTD, BUILDING 2, WESTFIELD IND PARK, SWANSEA, SWANSEA, SA5 4SF	NRW-WME043843	Storing waste exemption	Not on a farm	Storage of waste in secure containers

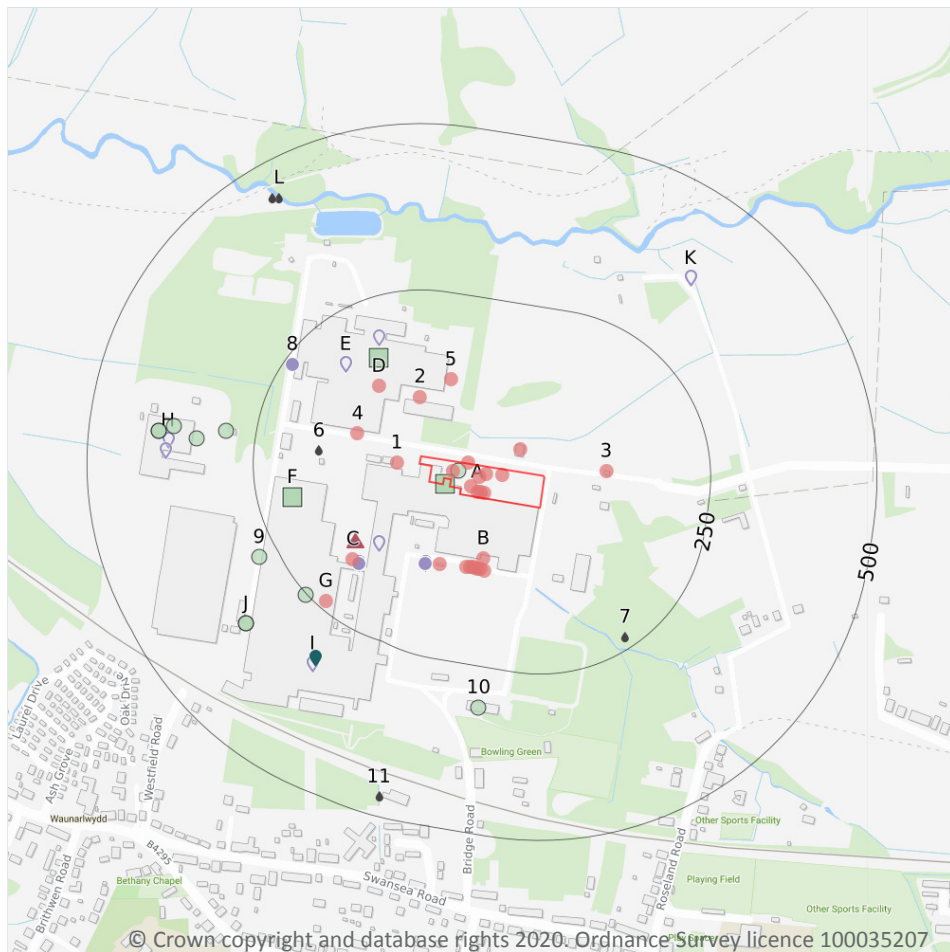


ID	Location	Site	Reference	Category	Sub-Category	Description
A	94m E	THE TREAMENT HUB LTD, BUILDING 2, WESTFIELD IND PARK, SWANSEA, SWANSEA, SWANSEA, SA5 4SF	NRW- WME043843	Using waste exemption	Not on a farm	Use of waste in construction
A	94m E	Hill Group, Hill Insulation Ltd, Unit 7, Westfield Industrial Park, Waunarlwydd, Swansea, Abertawe, SA54SF	NRW- WME035392	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance

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
- ▲ Hazardous substance storage/usage
- Historical licensed industrial activities
- Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- ◆ Licensed Discharges to controlled waters
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

27

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Company	Address	Activity	Category
A	On site	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
A	On site	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
A	On site	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
A	On site	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
A	On site	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
A	On site	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
A	On site	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
A	On site	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
A	2m N	Cymru Coaches Ltd	Office 319, Westfield Industrial Park, Waunarlwydd, Swansea, West Glamorgan, SA5 4SF	Vehicle Hire and Rental	Hire Services
A	34m N	Electricity Sub Station	West Glamorgan, SA5	Electrical Features	Infrastructure and Facilities
1	34m W	Electricity Sub Station	West Glamorgan, SA5	Electrical Features	Infrastructure and Facilities
B	89m S	Chimney	West Glamorgan, SA5	Chimneys	Industrial Features
2	90m N	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
3	93m E	Thermat Supplies	Unit 7, Westfield Industrial Park, Waunarlwydd, Swansea, West Glamorgan, SA5 4SF	General Construction Supplies	Industrial Products
4	101m W	Electricity Sub Station	West Glamorgan, SA5	Electrical Features	Infrastructure and Facilities
B	105m S	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
B	105m S	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
B	105m S	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
B	105m S	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
B	106m S	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
B	106m S	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
B	107m S	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features
B	110m S	Electricity Sub Station	West Glamorgan, SA5	Electrical Features	Infrastructure and Facilities
5	121m N	Travelling Crane	West Glamorgan, SA5	Travelling Cranes and Gantries	Industrial Features
D	123m NW	Timet	Ystrad Road, Fforestfach, Swansea, West Glamorgan, SA5 4BT	Aeroplanes	Industrial Products
C	164m SW	Tank	West Glamorgan, SA5	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
G	237m SW	Hill Group Ltd	Unit 7, Westfield Industrial Park, Waunarlwydd, Swansea, West Glamorgan, SA5 4SF	Construction Completion Services	Construction Services

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0
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Open, closed, under development and obsolete petrol stations.

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

1

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

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Details	
C	142m SW	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: Timet UK Ltd, PO Box 57, Waunarlwydd, Swansea, SA1 1XD	Details: No Details Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

17

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

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Details	
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Non-ferrous Metals Permit Number: BG4577	Original Permit Number: IPCMINVAR Date Approved: - Effective Date: - Status: Refused
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Combustion Processes Permit Number: AF8882	Original Permit Number: IPCAIRAPP Date Approved: 21-4-1993 Effective Date: 21-4-1993 Status: Revoked

ID	Location	Details	
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Non-ferrous Metals Permit Number: AS6845	Original Permit Number: IPCAIRAPP Date Approved: 21-2-1996 Effective Date: 25-2-1996 Status: Superseded By Variation
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Non-ferrous Metals Permit Number: BD2314	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Non-ferrous Metals Permit Number: BF4644	Original Permit Number: IPCMINVAR Date Approved: 15-3-1999 Effective Date: 22-3-1999 Status: Superseded By Variation
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Non-ferrous Metals Permit Number: BF4652	Original Permit Number: IPCMINVAR Date Approved: 14-6-1999 Effective Date: 21-6-1999 Status: Superseded By Variation
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Non-ferrous Metals Permit Number: BF9638	Original Permit Number: IPCMINVAR Date Approved: 29-4-1999 Effective Date: 29-4-1999 Status: Superseded By Variation
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Non-ferrous Metals Permit Number: BI0670	Original Permit Number: IPCMINVAR Date Approved: 18-4-2000 Effective Date: 21-4-2000 Status: Superseded By Variation
B	116m SW	Operator: Alcoa Europe Flat Rolled Products Ltd Address: PO Box 68, Waunarlwydd Works, Swansea, West Glamorgan, SA1 1XH Process: Non-ferrous Metals Permit Number: BU6832	Original Permit Number: IPCMINVAR Date Approved: 19-5-2003 Effective Date: 22-5-2003 Status: Revoked - Now Ippc
C	162m SW	Operator: Aleris Recycling (swansea) Ltd Address: Waunarlwydd Works, Waunarlwydd, Swansea, SA5 4SF Process: Non-ferrous Metals Permit Number: AX6168	Original Permit Number: IPCAPP Date Approved: 11-6-1997 Effective Date: 17-6-1997 Status: Superseded By Variation
C	162m SW	Operator: Aleris Recycling (swansea) Ltd Address: Waunarlwydd Works, Waunarlwydd, Swansea, SA5 4SF Process: Non-ferrous Metals Permit Number: AZ6037	Original Permit Number: IPCMAJVAR Date Approved: 4-12-1997 Effective Date: 7-12-1997 Status: Superseded By Variation



ID	Location	Details	
C	162m SW	Operator: Aleris Recycling (swansea) Ltd Address: Waunarwydd Works, Waunarlywydd, Swansea, SA5 4SF Process: Non-ferrous Metals Permit Number: BE1011	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
C	162m SW	Operator: Aleris Recycling (swansea) Ltd Address: Waunarwydd Works, Waunarlywydd, Swansea, SA5 4SF Process: Non-ferrous Metals Permit Number: BH8888	Original Permit Number: IPCMINVAR Date Approved: 18-4-2000 Effective Date: 12-5-2000 Status: Superseded By Variation
C	162m SW	Operator: Aleris Recycling (swansea) Ltd Address: Waunarwydd Works, Waunarlywydd, Swansea, SA5 4SF Process: Non-ferrous Metals Permit Number: BK9601	Original Permit Number: IPCMINVAR Date Approved: 25-6-2001 Effective Date: 28-6-2001 Status: Superseded By Variation
C	162m SW	Operator: Aleris Recycling (swansea) Ltd Address: Waunarwydd Works, Waunarlywydd, Swansea, SA5 4SF Process: Non-ferrous Metals Permit Number: BQ4467	Original Permit Number: IPCMINVAR Date Approved: 21-5-2002 Effective Date: 28-5-2002 Status: Superseded By Variation
C	162m SW	Operator: Aleris Recycling (swansea) Ltd Address: Waunarwydd Works, Waunarlywydd, Swansea, SA5 4SF Process: Non-ferrous Metals Permit Number: BU6077	Original Permit Number: IPCMINVAR Date Approved: 7-5-2003 Effective Date: 9-5-2003 Status: Revoked - Now Ippc
8	237m NW	Operator: Timet UK (export) Ltd Address: PO Box 57, Waunarlywydd, Swansea, West Glamorgan, SA1 1XD Process: Acid Processes Permit Number: AL8355	Original Permit Number: IPCAPP Date Approved: 18-5-1994 Effective Date: 31-5-1994 Status: Referred To La

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

42

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

Features are displayed on the Current industrial land use map on **page 43**



ID	Location	Details	
B	116m SW	Operator: ALCOA EUROPE FLAT ROLLED PRODUCTS LTD Installation Name: - Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: BX1713 Original Permit Number: BM1377	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
B	116m SW	Operator: ALCOA EUROPE FLAT ROLLED PRODUCTS LTD Installation Name: - Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: BM1377 Original Permit Number: BM1377	EPR Reference: - Issue Date: 12/08/2003 Effective Date: 12/08/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
B	116m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: BX4658IV Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 27/02/2004 Effective Date: 01/03/2004 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
C	120m SW	Operator: THE TREATMENT HUB LIMITED Installation Name: BUILDING 2 Process: - Permit Number: ZP3933NJ Original Permit Number: ZP3933NJ	EPR Reference: - Issue Date: 30/09/2013 Effective Date: 30/09/2013 Last date noted as effective: 01/12/2016 Status: EFFECTIVE
C	120m SW	Operator: THE TREATMENT HUB LIMITED Installation Name: THE TRAETMENT HUB SWANSEA EPR/ZP3933NJ Process: RECOVERY OF WASTE; HAZARDOUS WASTE >10T/D BY RECYCLING INORGANICS (NOT METALS) Permit Number: ZP3933NJ Original Permit Number: ZP3933NJ	EPR Reference: - Issue Date: 30/09/2013 Effective Date: 30/09/2013 Last date noted as effective: 17/11/2015 Status: EFFECTIVE
C	120m SW	Operator: THE TREATMENT HUB LIMITED Installation Name: BUILDING 2 Process: - Permit Number: ZP3933NJ Original Permit Number: ZP3933NJ	EPR Reference: - Issue Date: 30/09/2013 Effective Date: 30/09/2013 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
C	120m SW	Operator: THE TREATMENT HUB LIMITED Installation Name: BUILDING 2 Process: - Permit Number: ZP3933NJ Original Permit Number: ZP3933NJ	EPR Reference: - Issue Date: 30/09/2013 Effective Date: 30/09/2013 Last date noted as effective: 26/10/2020 Status: EFFECTIVE



ID	Location	Details	
C	162m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: WAUNARLWYDD NON FERROUS METALS EA/EPR/BM1377IT/S009 Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: BM1377IT Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 12/08/2003 Effective Date: 12/08/2003 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
C	162m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: BP3739LM Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 09/01/2006 Effective Date: 10/01/2006 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
C	162m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: BX1713IB Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 24/12/2003 Effective Date: 29/12/2003 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
C	162m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: BX6928IY Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 07/04/2004 Effective Date: 09/04/2004 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
C	162m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: EP3337PQ Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 11/08/2004 Effective Date: 13/08/2004 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
E	179m NW	Operator: TIMET UK LTD Installation Name: WAUNARLWYDD EPR/BX9846ID Process: - Permit Number: BX9846ID Original Permit Number: XP3730WR	EPR Reference: - Issue Date: 20/01/2015 Effective Date: 20/01/2015 Last date noted as effective: 01/12/2016 Status: EFFECTIVE
E	179m NW	Operator: TIMET UK LTD Installation Name: TIMET WAUNARLWYDD Process: ASSOCIATED PROCESS Permit Number: GP3836FQ Original Permit Number: BX9846ID	EPR Reference: - Issue Date: 16/07/2012 Effective Date: 16/07/2012 Last date noted as effective: 17/11/2015 Status: SUPERCEDED

ID	Location	Details	
E	179m NW	Operator: TIMET UK LTD Installation Name: TIMET WAUNARLWYDD Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: GP3836FQ Original Permit Number: BX9846ID	EPR Reference: - Issue Date: 16/07/2012 Effective Date: 16/07/2012 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
E	179m NW	Operator: TIMET UK LTD Installation Name: WAUNARLWYDD EPR/BX9846ID Process: ASSOCIATED PROCESS Permit Number: XP3730WR Original Permit Number: BX9846ID	EPR Reference: - Issue Date: 20/01/2015 Effective Date: 20/01/2015 Last date noted as effective: 17/11/2015 Status: EFFECTIVE
E	179m NW	Operator: TIMET UK LTD Installation Name: WAUNARLWYDD EPR/BX9846ID Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: XP3730WR Original Permit Number: BX9846ID	EPR Reference: - Issue Date: 20/01/2015 Effective Date: 20/01/2015 Last date noted as effective: 17/11/2015 Status: EFFECTIVE
E	179m NW	Operator: TIMET UK LTD Installation Name: WAUNARLWYDD EPR/BX9846ID Process: UNLESS FALLING WITHIN PART A2 OF THIS SECTION, SURFACE TREATING METALS AND PLAST... Permit Number: BX9846ID Original Permit Number: XP3730WR	EPR Reference: - Issue Date: 20/01/2015 Effective Date: 20/01/2015 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
E	179m NW	Operator: TIMET UK LTD Installation Name: WAUNARLWYDD EPR/BX9846ID Process: UNLESS FALLING WITHIN PART A2 OF THIS SECTION, SURFACE TREATING METALS AND PLAST... Permit Number: BX9846ID Original Permit Number: XP3730WR	EPR Reference: - Issue Date: 20/01/2015 Effective Date: 20/01/2015 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
E	179m NW	Operator: TIMET UK LTD Installation Name: WAUNARLWYDD EPR/BX9846ID Process: - Permit Number: BX9846ID Original Permit Number: XP3730WR	EPR Reference: - Issue Date: 20/01/2015 Effective Date: 20/01/2015 Last date noted as effective: 26/10/2020 Status: EFFECTIVE
E	179m NW	Operator: TIMET UK LTD Installation Name: WAUNARLWYDD EPR/BX9846ID Process: UNLESS FALLING WITHIN PART A2 OF THIS SECTION, SURFACE TREATING METALS AND PLAST... Permit Number: BX9846ID Original Permit Number: XP3730WR	EPR Reference: - Issue Date: 20/01/2015 Effective Date: 20/01/2015 Last date noted as effective: 26/10/2020 Status: EFFECTIVE
D	189m N	Operator: TIMET UK LTD Installation Name: TIMET WAUNARLWYDD Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: BX9846ID Original Permit Number: BX9846ID	EPR Reference: - Issue Date: 10/01/2005 Effective Date: 10/01/2005 Last date noted as effective: 17/11/2015 Status: SUPERCEDED

ID	Location	Details	
I	325m SW	Operator: ALERIS RECYCLING (SWANSEA) LIMITED Installation Name: WAUNARLWYDD WORKS EPR/EP3935UC Process: - Permit Number: EP3935UC Original Permit Number: -	EPR Reference: - Issue Date: 05/02/2016 Effective Date: 05/02/2016 Last date noted as effective: 01/04/2017 Status: ISSUED
I	325m SW	Operator: IMCO RECYCLING (UK) LTD Installation Name: - Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: BX1411 Original Permit Number: BM1385	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
I	325m SW	Operator: IMCO RECYCLING (UK) LTD Installation Name: - Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: BM1385 Original Permit Number: BM1385	EPR Reference: - Issue Date: 05/09/2003 Effective Date: 05/09/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
I	325m SW	Operator: IMCO RECYCLING UK LTD Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: BM1385IX Original Permit Number: BM1385IX	EPR Reference: - Issue Date: 05/09/2003 Effective Date: 05/09/2003 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
I	325m SW	Operator: IMCO RECYCLING UK LTD Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: BX1411IE Original Permit Number: BM1385IX	EPR Reference: - Issue Date: 15/07/2004 Effective Date: 15/07/2004 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
I	325m SW	Operator: IMCO RECYCLING UK LTD Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: GP3432MN Original Permit Number: BM1385IX	EPR Reference: - Issue Date: 29/06/2007 Effective Date: 29/06/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
I	325m SW	Operator: IMCO RECYCLING UK LTD Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: WP3339SP Original Permit Number: BM1385IX	EPR Reference: - Issue Date: 14/01/2005 Effective Date: 18/01/2005 Last date noted as effective: 17/11/2015 Status: SUPERCEDED

ID	Location	Details	
I	325m SW	Operator: ALERIS RECYCLING (SWANSEA) LIMITED Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: EP3935UC Original Permit Number: EP3935UC	EPR Reference: - Issue Date: 27/07/2007 Effective Date: 27/07/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
I	325m SW	Operator: ALERIS RECYCLING (SWANSEA) LIMITED Installation Name: WAUNARLWYDD WORKS EPR/EP3935UC Process: NON-FERROUS METALS; PRODUCING FROM RAW MATERIALS BY METALLURGICAL ACTIVITIES ETC Permit Number: LP3933ZD Original Permit Number: EP3935UC	EPR Reference: - Issue Date: 11/12/2013 Effective Date: 11/12/2013 Last date noted as effective: 17/11/2015 Status: EFFECTIVE
I	325m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: WAUNARLWYDD NON FERROUS METALS Process: NON-FERROUS METALS; MELTING WITH CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS Permit Number: SP3138MK Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 12/01/2007 Effective Date: 12/01/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
I	325m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: ALCOA EMP SWANSEA Process: ASSOCIATED PROCESS Permit Number: XP3537XX Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 12/09/2008 Effective Date: 12/09/2008 Last date noted as effective: 17/11/2015 Status: SURRENDER EFFECTIVE
I	325m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: ALCOA EMP SWANSEA Process: NON-FERROUS METALS; MELTING CAPACITY >4T/D LEAD/CADMIUM OR 20T/D OTHERS AND FOR ALLOYS A VESSEL WITH A DESIGN HOLDING CAPACITY OF 5 TONNES OR MORE. Permit Number: XP3537XX Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 12/09/2008 Effective Date: 12/09/2008 Last date noted as effective: 17/11/2015 Status: SURRENDER EFFECTIVE
I	325m SW	Operator: ALCOA MANUFACTURING (G.B.) LIMITED Installation Name: ALCOA EMP SWANSEA Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: XP3537XX Original Permit Number: BM1377IT	EPR Reference: - Issue Date: 12/09/2008 Effective Date: 12/09/2008 Last date noted as effective: 17/11/2015 Status: SURRENDER EFFECTIVE
K	370m NE	Operator: VIRIDIS 178 LTD Installation Name: VIRIDIS 178 SWANSEA POWER PLANT Process: - Permit Number: AB3393CP Original Permit Number: -	EPR Reference: - Issue Date: 10/01/2017 Effective Date: 10/01/2017 Last date noted as effective: 01/04/2017 Status: ISSUED



ID	Location	Details	
K	370m NE	Operator: VIRIDIS 178 LTD Installation Name: VIRIDIS 178 SWANSEA POWER PLANT Process: BURNING ANY FUEL IN AN APPLIANCE Permit Number: AB3393CP Original Permit Number: CP3630AJ	EPR Reference: - Issue Date: 10/01/2017 Effective Date: 10/01/2017 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
K	370m NE	Operator: VIRIDIS 178 LTD Installation Name: VIRIDIS 178 SWANSEA POWER PLANT Process: BURNING ANY FUEL IN AN APPLIANCE Permit Number: AB3393CP Original Permit Number: CP3630AJ	EPR Reference: - Issue Date: 10/01/2017 Effective Date: 10/01/2017 Last date noted as effective: 26/10/2020 Status: EFFECTIVE
H	380m W	Operator: REAL ALLOY UK LIMITED Installation Name: REAL ALLOY UK LTD Process: - Permit Number: EP3935UC Original Permit Number: -	EPR Reference: - Issue Date: 31/01/2018 Effective Date: 31/01/2018 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
H	380m W	Operator: REAL ALLOY UK LIMITED Installation Name: REAL ALLOY UK LTD Process: MELTING, INCLUDING MAKING ALLOYS, OF NON-FERROUS METALS, INCLUDING RECOVERED PRO... Permit Number: EP3935UC Original Permit Number: -	EPR Reference: - Issue Date: 31/01/2018 Effective Date: 31/01/2018 Last date noted as effective: 26/10/2020 Status: EFFECTIVE
H	381m W	Operator: TIMET UK LTD Installation Name: TIMET WAUNARLWYDD Process: ASSOCIATED PROCESS Permit Number: TP3637MW Original Permit Number: BX9846ID	EPR Reference: - Issue Date: 27/07/2007 Effective Date: 27/07/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
H	381m W	Operator: TIMET UK LTD Installation Name: TIMET WAUNARLWYDD Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: TP3637MW Original Permit Number: BX9846ID	EPR Reference: - Issue Date: 27/07/2007 Effective Date: 27/07/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED

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

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

Records within 500m

1

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 43**



ID	Location	Address	Details	
I	316m SW	Coil Color, Waunarlyydd Works, PO Box 68, Swansea	Process: Coating Processes Status: Historical Permit Permit Type: Part A2	Enforcement: No Enforcemets Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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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	5
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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 43**

ID	Location	Address	Details	
6	152m W	WAUNARLWYDD WORKS SWANSEA, SWANSEA	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: BC0012101 Permit Version: 2 Receiving Water: UNNAMED TRIBUTARY OF THE GORS	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 24/04/1997 Effective Date: 25/04/1997 Revocation Date: 02/04/2009
7	232m SE	ALCOA WAUNARLLWYDD (POINT 42) SWAN, ALCOA WAUNARLLWYDD (POINT 42) S, (POINT 42) SWANSEA, SWANSEA,	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0243101 Permit Version: 1 Receiving Water: AFON LLAN	Status: Effective Issue date: 21/07/1994 Effective Date: 21/07/1994 Revocation Date: -
L	443m NW	WAUNARLWYDD WORKS SWANSEA, SWANSEA	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: BC0012101 Permit Version: 1 Receiving Water: UNNAMED TRIBUTARY OF THE GORS	Status: REVOKED - UNSPECIFIED Issue date: 28/07/1970 Effective Date: 28/07/1970 Revocation Date: 24/04/1997

ID	Location	Address	Details	
L	448m NW	WAUNARLWYDD WORKS , SWANSEA , SWANSEA , SWANSEA	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: BP0227801 Permit Version: 1 Receiving Water: AFON LLAN	Status: REVOKED (WRA 91, S88 & SCHD 10 AS AMENDED BY ENV Issue date: 21/04/1993 Effective Date: 21/04/1993 Revocation Date: 06/02/2007
11	470m S	WORKSHOP & OFFICES BRIDGE ROAD. WA, WORKSHOP & OFFICES BRIDGE ROAD., BRIDGE ROAD. WAUNARLWYDD, WAUNARLWYDD, WAUNARLWYD	Effluent Type: UNSPECIFIED Permit Number: BM0005101 Permit Version: 1 Receiving Water: TO LAND NR. RIVER LLAN	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 13/03/1980 Effective Date: 13/03/1980 Revocation Date: 02/07/1994

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

5

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

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Name	Status	Receiving Water	Authorised Substances
A	3m E	Alcoa Manufacturing Waunarwydd, Swansea	Not Active	Loughor Estuary	Chromium, Copper, Lead, Nickel, Zinc, Total metals (non-ferrous)
D	162m NW	Timet Waunarlydd, Swansea	Not Active	Loughor Estuary	Chromium, Copper, Nickel, Zinc
F	198m W	Alcoa Gb Ltd, Cooling Tower 810c, Waunarwydd Wrks, Swansea	Not Active	Loughor Estuary	Chromium, Copper, Lead, Nickel, Zinc
F	198m W	Alcoa Gb Ltd, Cooling Tower 814g, Waunarwydd Wrks, Swansea	Not Active	Loughor Estuary	Chromium, Copper, Lead, Nickel, Zinc
F	198m W	Alcoa Gb Ltd, Cooling Tower 818b, Waunarwydd Wrks, Swansea	Not Active	Loughor Estuary	Chromium, Copper, Lead, Nickel, Zinc

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	11
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Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Details	
A	On site	Incident Date: 05/04/2013 Incident Identification: 1099781 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	251m SW	Incident Date: 14/01/2015 Incident Identification: 1306549 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9	279m SW	Incident Date: 15/10/2002 Incident Identification: 123733 Pollutant: Inorganic Chemicals/Products Pollutant Description: Alkalis	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	295m W	Incident Date: 14/06/2001 Incident Identification: 9260 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
10	311m S	Incident Date: 12/03/2011 Incident Identification: 865209 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 1 (Major) Air Impact: Category 1 (Major)



ID	Location	Details	
H	337m W	Incident Date: 28/07/2014 Incident Identification: 1261680 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	348m SW	Incident Date: 12/07/2001 Incident Identification: 15774 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	348m SW	Incident Date: 12/07/2001 Incident Identification: 15774 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	373m W	Incident Date: 22/11/2013 Incident Identification: 1177998 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	394m W	Incident Date: 20/07/2001 Incident Identification: 23032 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	394m W	Incident Date: 20/07/2001 Incident Identification: 23026 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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



4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

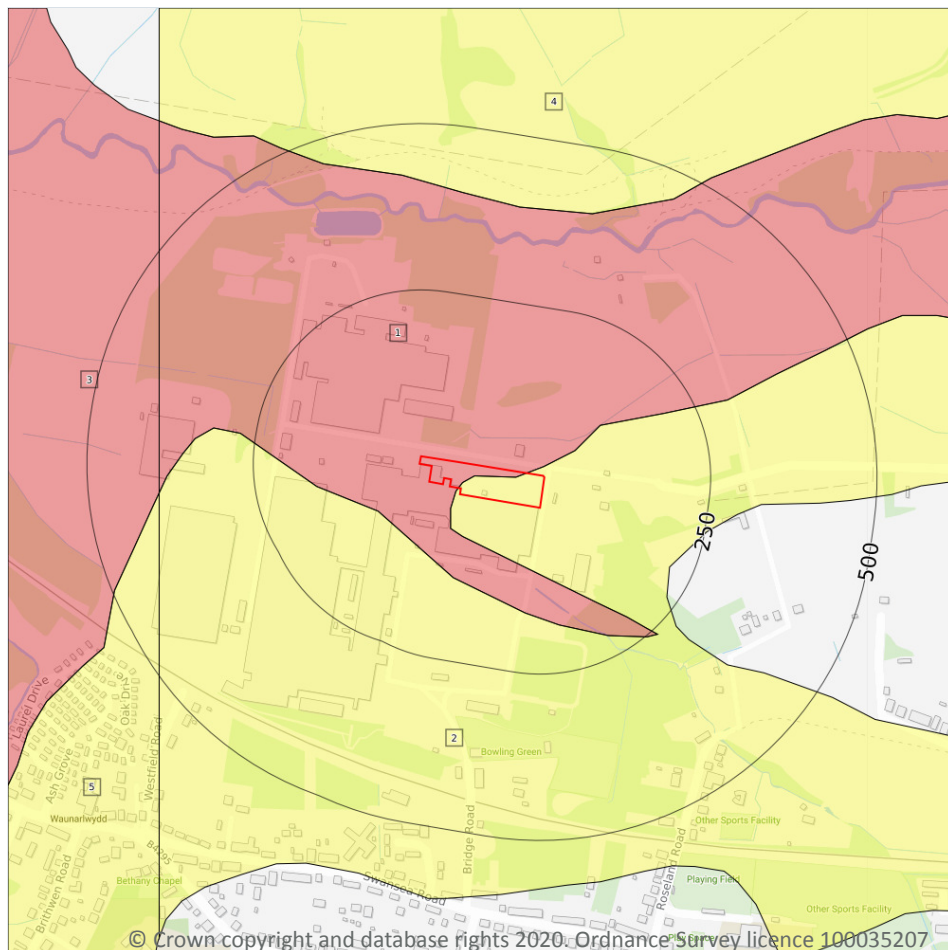
Records within 500m

0

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

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

5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 60**

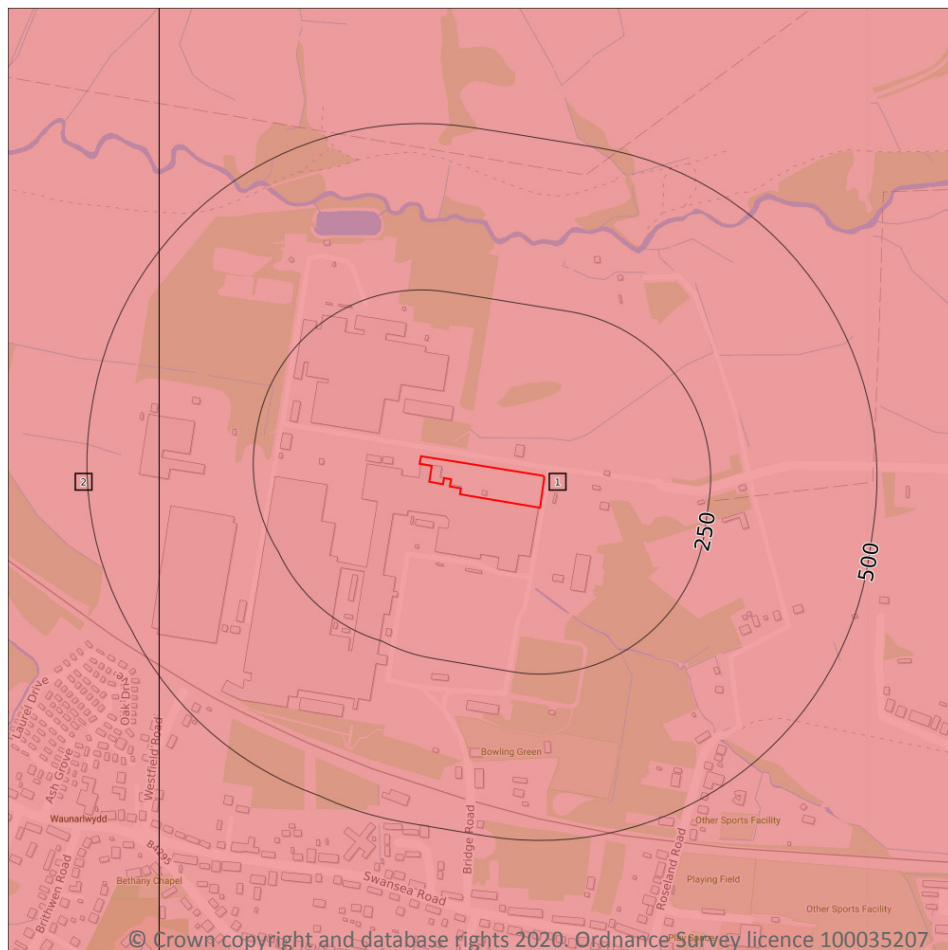
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Secondary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

ID	Location	Designation	Description
3	391m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	393m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
5	394m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

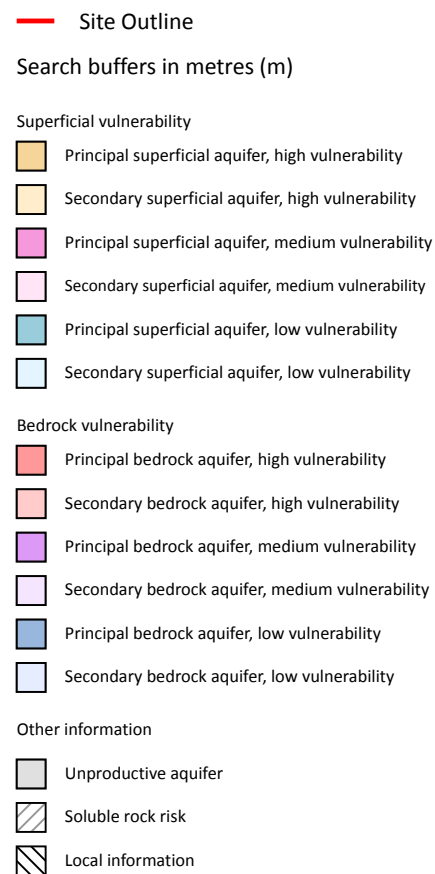
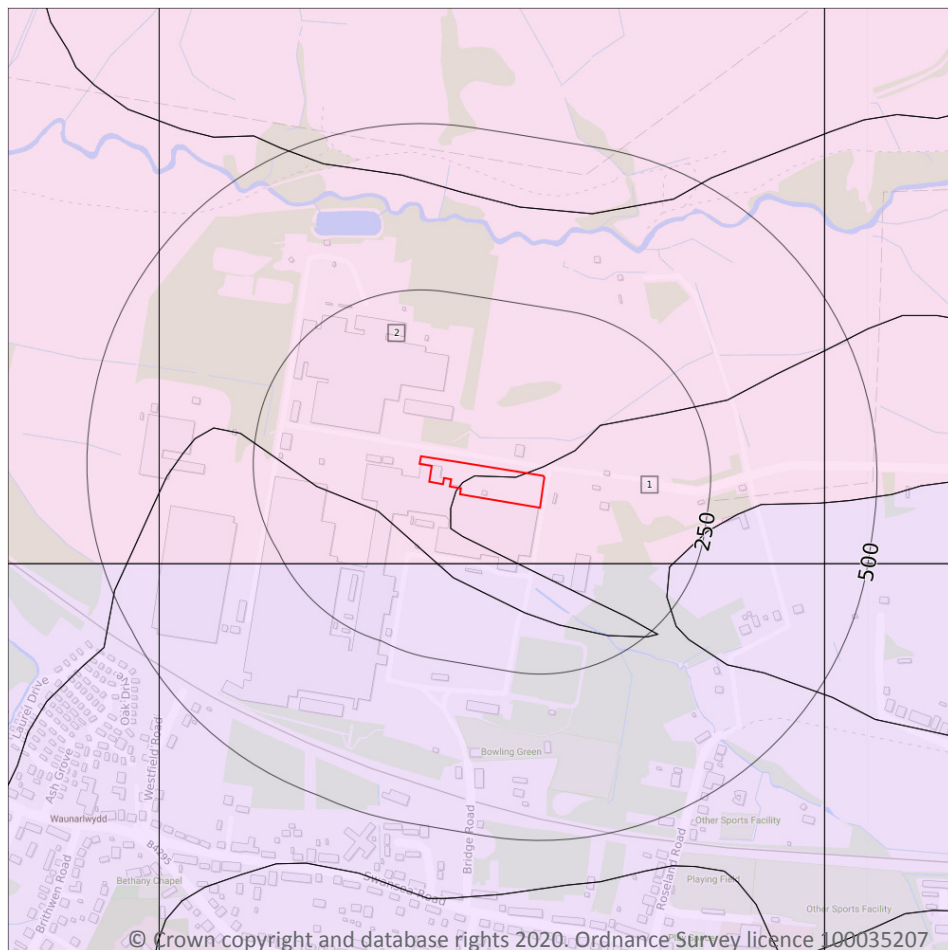
Features are displayed on the Bedrock aquifer map on **page 62**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	391m W	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

2

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 64**

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

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
Point features
- 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

0

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.

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

5.7 Surface water abstractions

Records within 2000m

3

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 66**

ID	Location	Details	
1	371m N	Status: Historical Licence No: 22/59/4/0029 Details: Non-Evaporative Cooling Direct Source: EAW Surface Water Point: AFON LLAN NEAR WAUNARLWYDD Data Type: Point Name: Alcoa Manufacturing (GB) Ltd Easting: 260350 Northing: 196530	Annual Volume (m ³): 763728 Max Daily Volume (m ³): 2182.08 Original Application No: - Original Start Date: 28/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/02/1966 Version End Date: -
-	1768m NW	Status: Historical Licence No: 22/59/4/0085 Details: Make-Up Or Top Up Water Direct Source: EAW Surface Water Point: AFON LLAN AT LLWCHWR Data Type: Point Name: Bromham Leisure Ltd Easting: 258810 Northing: 196950	Annual Volume (m ³): 22730 Max Daily Volume (m ³): 170.5 Original Application No: - Original Start Date: 23/10/1997 Expiry Date: - Issue No: 101 Version Start Date: 04/09/2008 Version End Date: -
-	1768m NW	Status: Active Licence No: 22/59/4/0085 Details: Make-up or Top-up Water - High Direct Source: - Point: - Data Type: Point Name: - Easting: 258810 Northing: 196950	Annual Volume (m ³): 22,730 Max Daily Volume (m ³): 340.80 Original Application No: - Original Start Date: Sep 4 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)

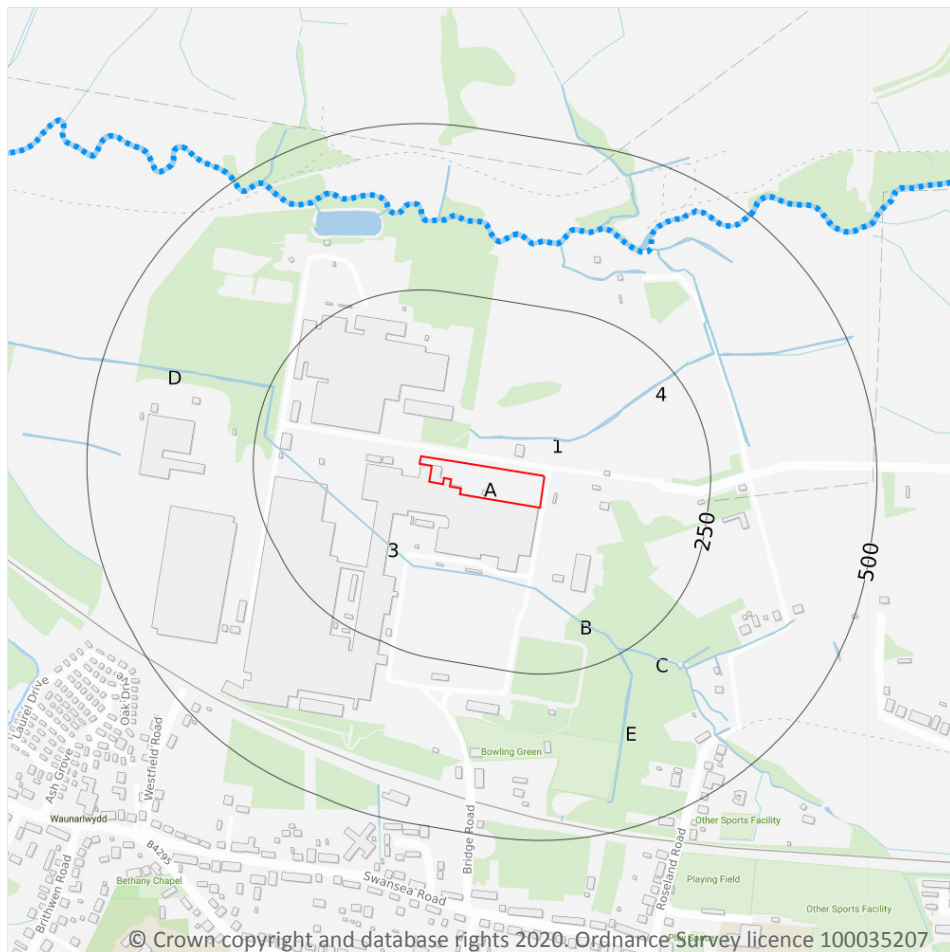
Records within 500m

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

7

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

Features are displayed on the Hydrology map on **page 69**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	41m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
3	111m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
B	122m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	154m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	235m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	244m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	244m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

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 69**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on **page 69**



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Llan - headwaters to tidal limit	GB110059032070	Loughor	Carmarthen Bay and the Gower

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

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

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

Features are displayed on the Hydrology map on **page 69**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
7	337m N	River	Llan - headwaters to tidal limit	GB110059032070	Good	Good	Good	2016

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

6.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

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

Features are displayed on the Hydrology map on **page 69**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Carmarthen Carboniferous Coal Measures	GB41002G200600	Poor	Poor	Good	2016

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

7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

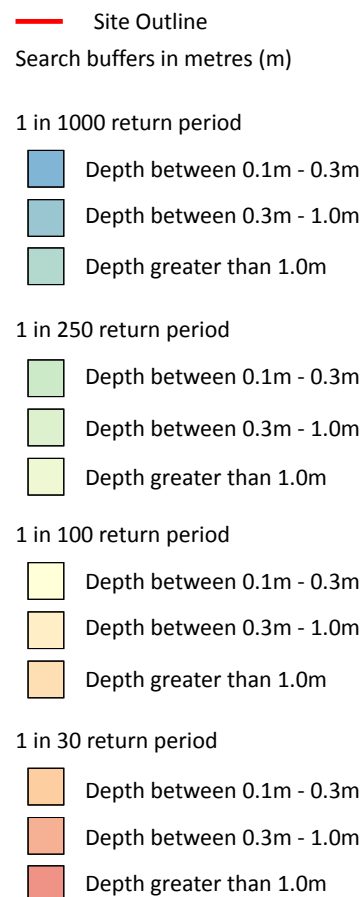
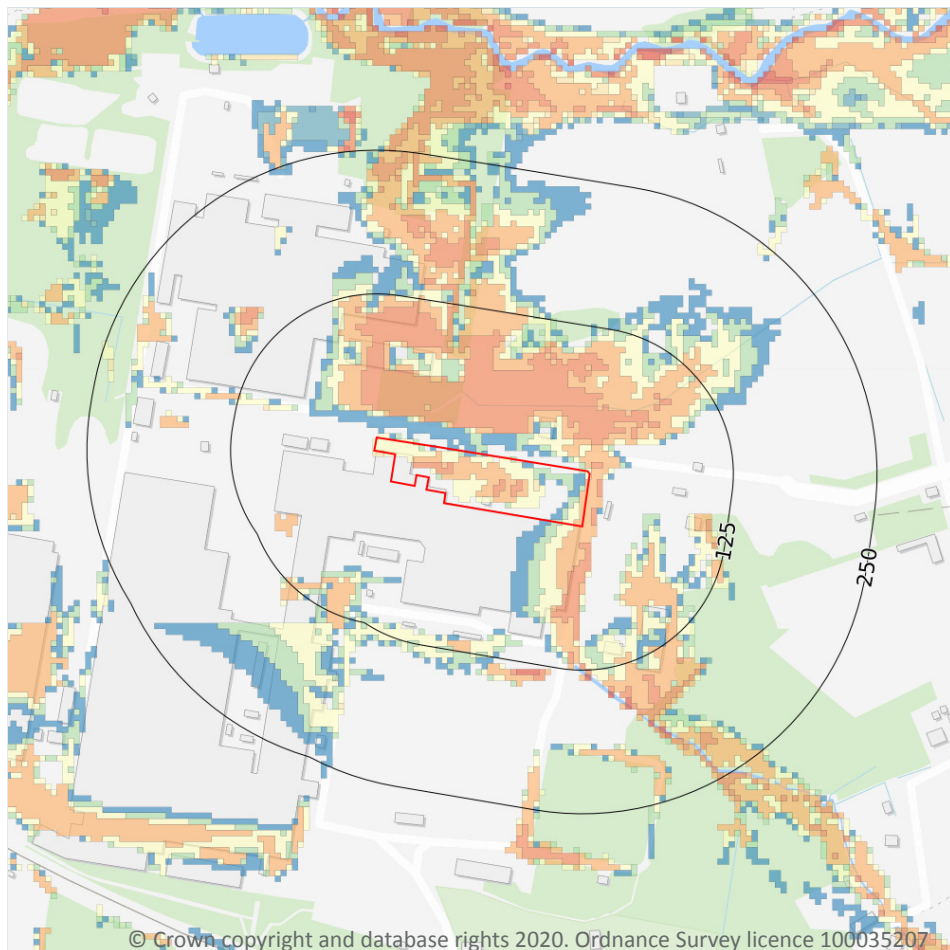
Records within 50m

0

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

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

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

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 75**

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

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

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

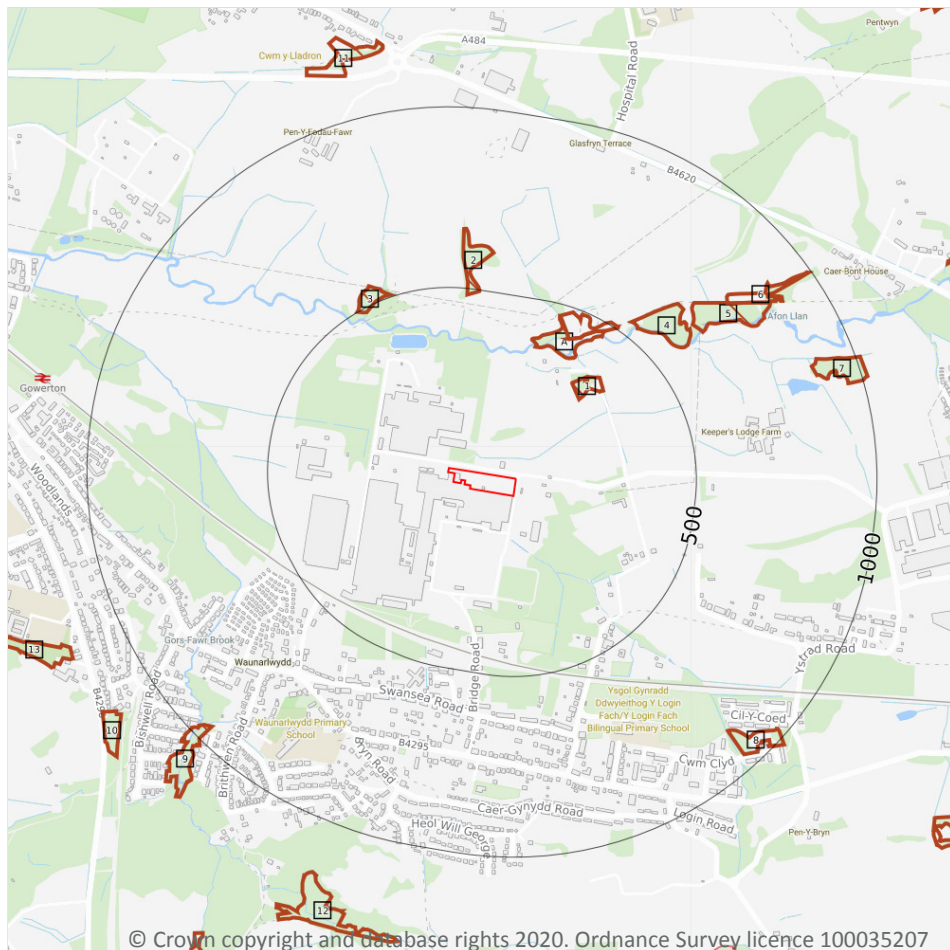
Low

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 77**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- ▨ Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

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 78**

ID	Location	Name	Data source
B	1318m S	CWMLLWYD WOOD	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

36

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 78**

ID	Location	Name	Woodland Type
1	282m NE	Unknown	Ancient Semi Natural Woodland
A	363m NE	Unknown	Ancient Semi Natural Woodland
A	414m N	Unknown	Restored Ancient Woodland Site
2	483m N	Unknown	Restored Ancient Woodland Site
3	487m NW	Unknown	Ancient Semi Natural Woodland
4	536m NE	Unknown	Restored Ancient Woodland Site
5	651m NE	Unknown	Restored Ancient Woodland Site
6	762m NE	Unknown	Ancient Semi Natural Woodland
7	877m E	Unknown	Restored Ancient Woodland Site
8	880m SE	Unknown	Ancient Semi Natural Woodland
9	952m SW	Unknown	Ancient Semi Natural Woodland
10	1122m SW	Unknown	Ancient Semi Natural Woodland



ID	Location	Name	Woodland Type
11	1123m N	Unknown	Ancient Semi Natural Woodland
12	1147m S	Unknown	Ancient Semi Natural Woodland
13	1153m SW	Unknown	Ancient Semi Natural Woodland
-	1332m S	Unknown	Ancient Semi Natural Woodland
14	1336m NE	Unknown	Ancient Semi Natural Woodland
-	1349m W	Unknown	Ancient Semi Natural Woodland
-	1411m S	Unknown	Ancient Semi Natural Woodland
-	1419m SE	Unknown	Ancient Semi Natural Woodland
16	1428m SW	Unknown	Ancient Semi Natural Woodland
17	1468m SE	Unknown	Ancient Semi Natural Woodland
-	1535m SE	Unknown	Ancient Semi Natural Woodland
-	1577m NE	Unknown	Ancient Semi Natural Woodland
-	1591m SE	Unknown	Ancient Semi Natural Woodland
21	1720m NE	Unknown	Restored Ancient Woodland Site
-	1722m W	Unknown	Ancient Semi Natural Woodland
-	1797m SW	Unknown	Ancient Semi Natural Woodland
-	1859m W	Unknown	Ancient Semi Natural Woodland
-	1938m W	Unknown	Ancient Semi Natural Woodland
-	1942m NE	Unknown	Ancient Semi Natural Woodland
-	1950m W	Unknown	Ancient Semi Natural Woodland
-	1968m N	Unknown	Ancient Semi Natural Woodland
-	1970m S	Unknown	Ancient Semi Natural Woodland
-	1979m E	Unknown	Ancient Semi Natural Woodland
-	1991m W	Unknown	Restored Ancient Woodland Site

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**0**

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

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site	0
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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
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

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

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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.



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



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Timber felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on **page 87**

ID	Location	Classification	Description
2	On site	Grade 3b	Moderate quality agricultural land
7	241m W	Grade 3b	Moderate quality agricultural land

This data is sourced from Natural Resources Wales.

12.2 Open Access Land

Records within 250m**0**

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

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

12.3 Tree Felling Licences

Records within 250m**0**

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m**0**

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

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

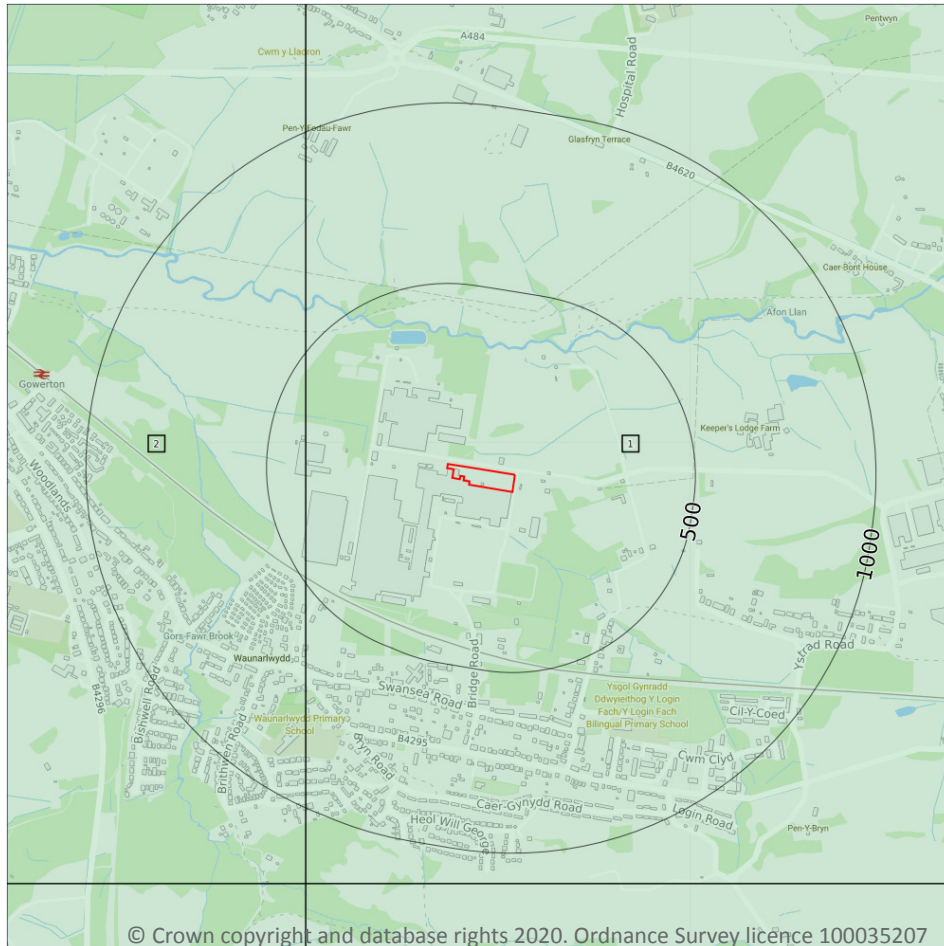
0

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

2

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 90**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SS69NW
2	391m W	Full	Full	Full	No coverage	SS59NE

This data is sourced from the British Geological Survey.



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-  Reclaimed ground
-  Made ground
-  Worked ground
-  Infilled ground
-  Disturbed ground
-  Landscaped ground

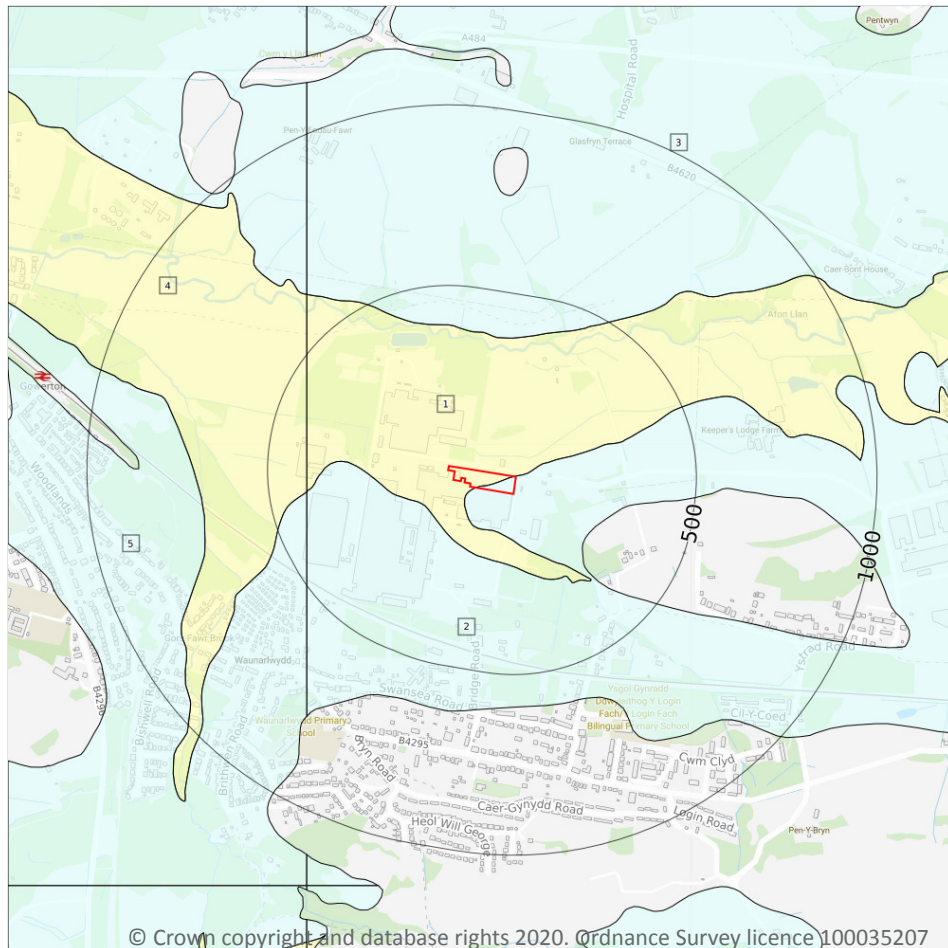
91

ID	Location	LEX Code	Description	Rock description
C	312m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	314m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	391m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	398m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	406m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	416m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	425m S	WGR-VOID	Worked Ground (Undivided)	Void
6	471m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	479m NW	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

5

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 93**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
2	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
3	372m N	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

ID	Location	LEX Code	Description	Rock description
4	391m W	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
5	396m W	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

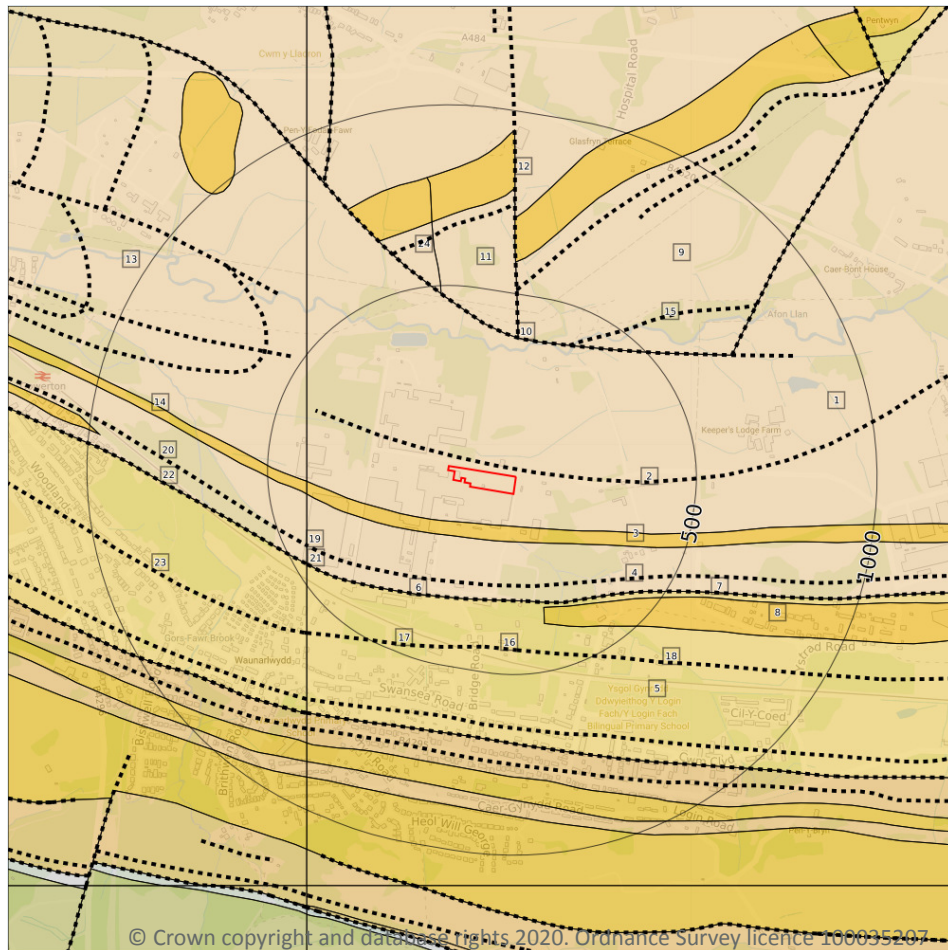
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

10

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 95**

ID	Location	LEX Code	Description	Rock age
1	On site	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
3	90m S	GDB-SDST	Grovesend Formation - Sandstone	Westphalian D Sub-age
5	295m S	SW-MDSS	Swansea Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age

ID	Location	LEX Code	Description	Rock age
8	325m S	SW-SDST	Swansea Member - Sandstone	Westphalian D Sub-age
9	379m N	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
11	381m N	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
13	391m W	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
14	393m W	GDB-SDST	Grovesend Formation - Sandstone	Westphalian D Sub-age
23	468m SW	SW-MDSS	Swansea Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
24	478m N	GDB-MDSS	Grovesend Formation - 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

14

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 95**

ID	Location	Category	Description
2	21m N	FOLD_AXIS	Axial plane trace of major syncline
4	254m S	ROCK	Coal seam, inferred (PEN)
6	295m S	ROCK	Coal seam, inferred (SW 4 FT)
7	298m S	ROCK	Coal seam, observed (OLD WORKING)
10	379m N	FAULT	Normal fault, inferred
12	381m N	FAULT	Normal fault, inferred
15	393m N	ROCK	Coal seam, inferred (SW 4 FT)
16	429m S	ROCK	Coal seam, inferred ()
17	430m S	ROCK	Coal seam, observed (SW 5 FT)
18	432m S	ROCK	Coal seam, observed ()
19	443m SW	ROCK	Coal seam, inferred (PEN)
20	446m SW	ROCK	Coal seam, inferred (PEN)
21	467m SW	ROCK	Coal seam, inferred (SW 4 FT)



ID	Location	Category	Description
22	468m SW	ROCK	Coal seam, inferred (SW 4 FT)

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

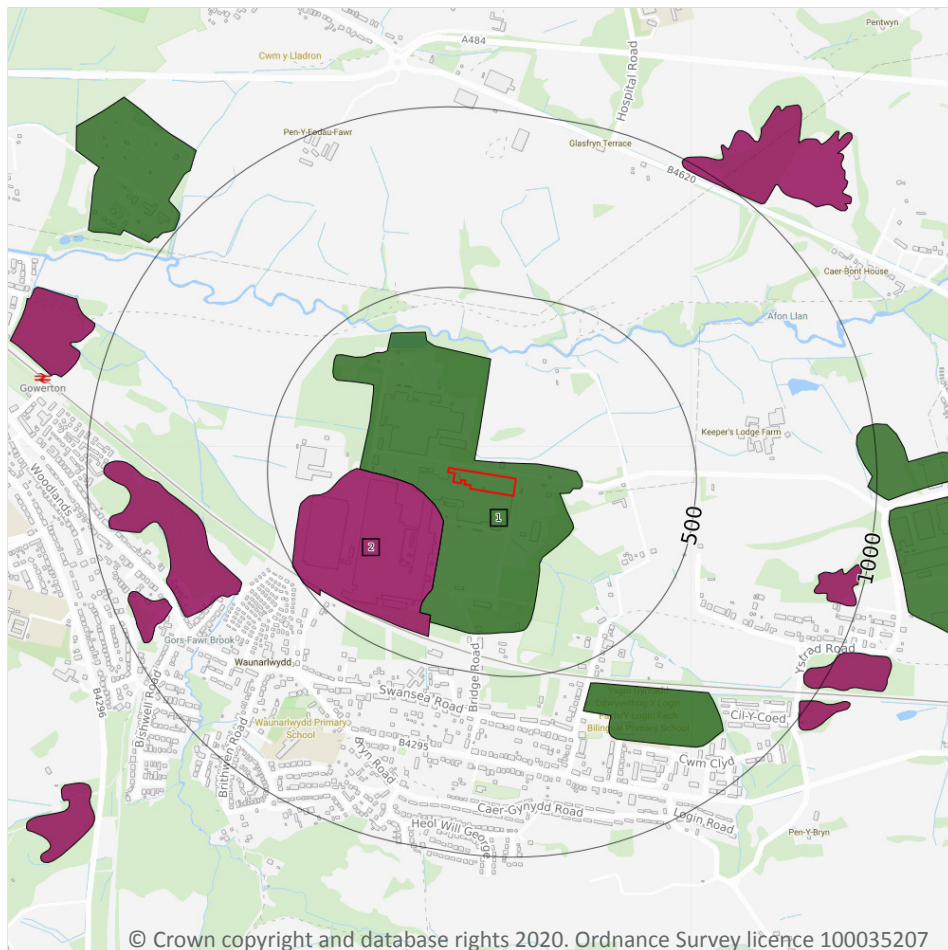
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme. Where 50k data is not available, this area has been filled in with 625k scale data.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 98**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW247_swansea_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

2

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 99**

ID	Location	LEX Code	Description	Rock description
1	On site	LSGR-ARTGR	LANDSCAPED GROUND (UNDIVIDED)	ARTIFICIALLY MODIFIED GROUND
2	81m 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**1**

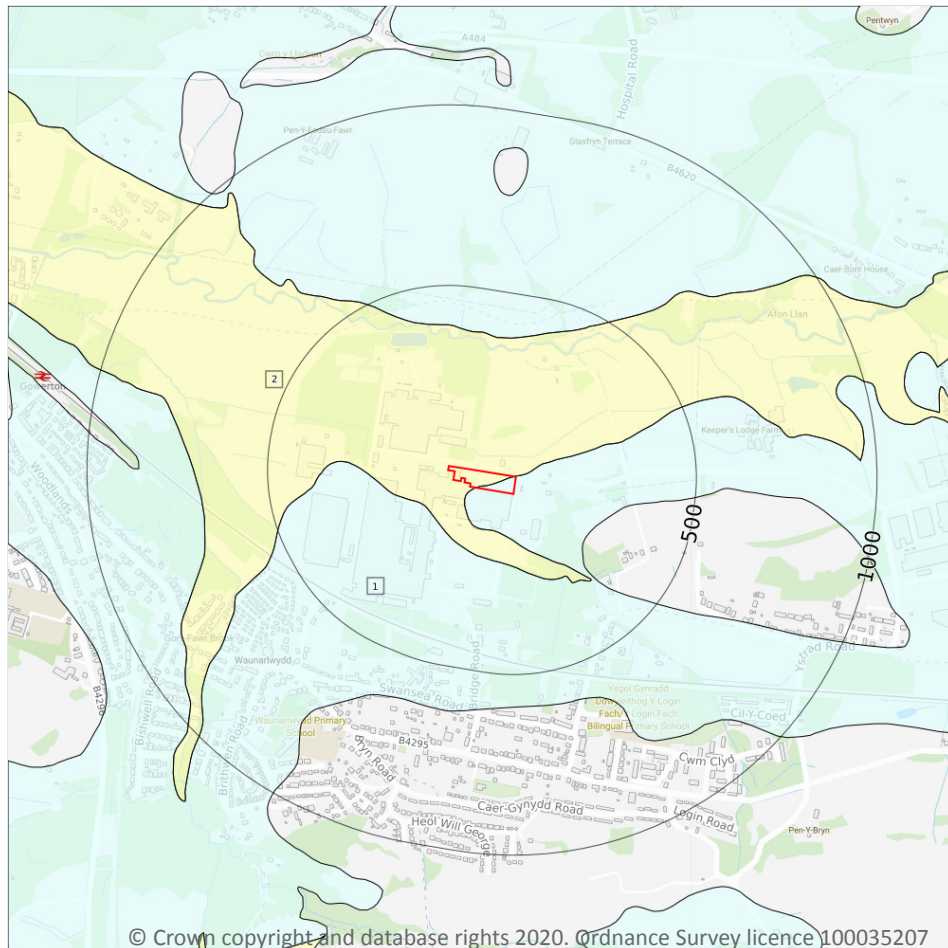
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 101**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVANSIAN	DIAMICTON
2	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

2

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

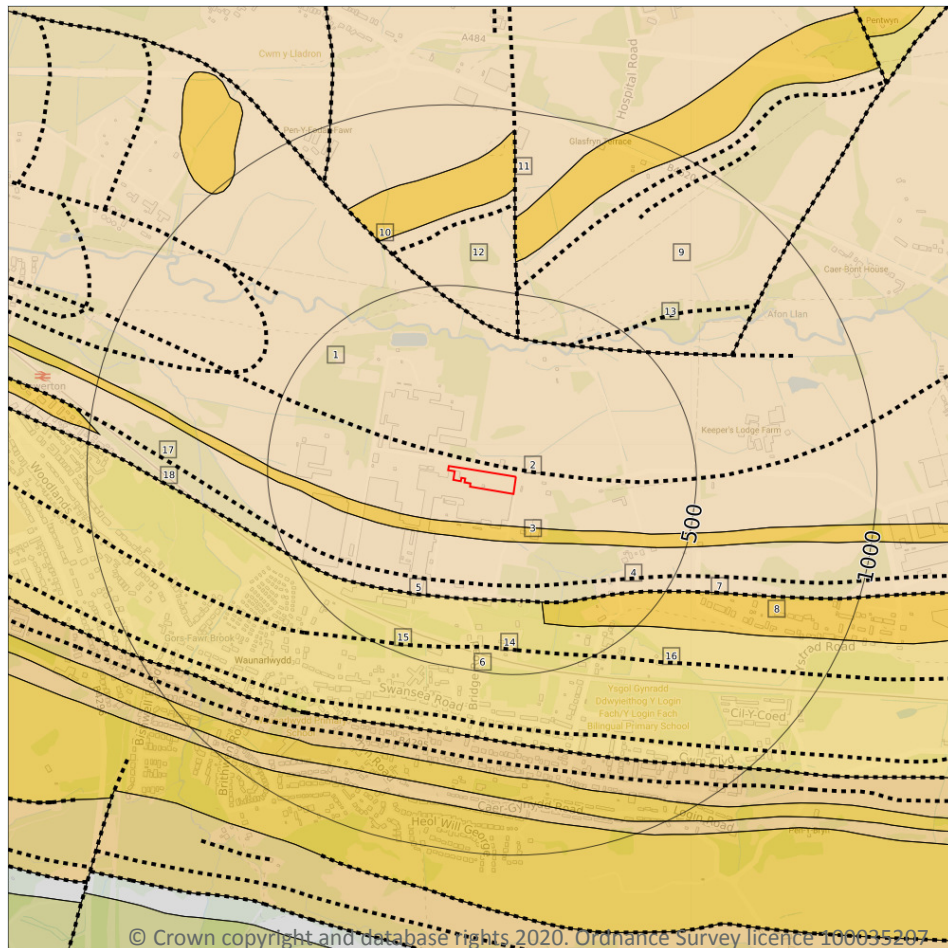
Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

---- Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m

6

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 103**

ID	Location	LEX Code	Description	Rock age
1	On site	GDB-MDSS	GROVESEND FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	90m S	GDB-SDST	GROVESEND FORMATION - SANDSTONE	WESTPHALIAN
6	295m S	SW-MDSS	SWANSEA MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
8	310m S	SW-SDST	SWANSEA MEMBER - SANDSTONE	WESTPHALIAN
9	379m N	GDB-MDSS	GROVESEND FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	381m N	GDB-MDSS	GROVESEND FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

12

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 103**

ID	Location	Category	Description
2	21m N	FOLD_AXIS	Axial plane trace of major syncline
4	254m S	ROCK	Coal seam, inferred
5	295m S	ROCK	Coal seam, inferred
7	298m S	ROCK	Coal seam, observed
10	379m N	FAULT	Fault, inferred, displacement unknown
11	381m N	FAULT	Fault, inferred, displacement unknown
13	393m N	ROCK	Coal seam, inferred



ID	Location	Category	Description
14	429m S	ROCK	Coal seam, inferred
15	430m S	ROCK	Coal seam, observed
16	432m S	ROCK	Coal seam, observed
17	446m SW	ROCK	Coal seam, inferred
18	467m SW	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes

16.1 BGS Boreholes

Records within 250m

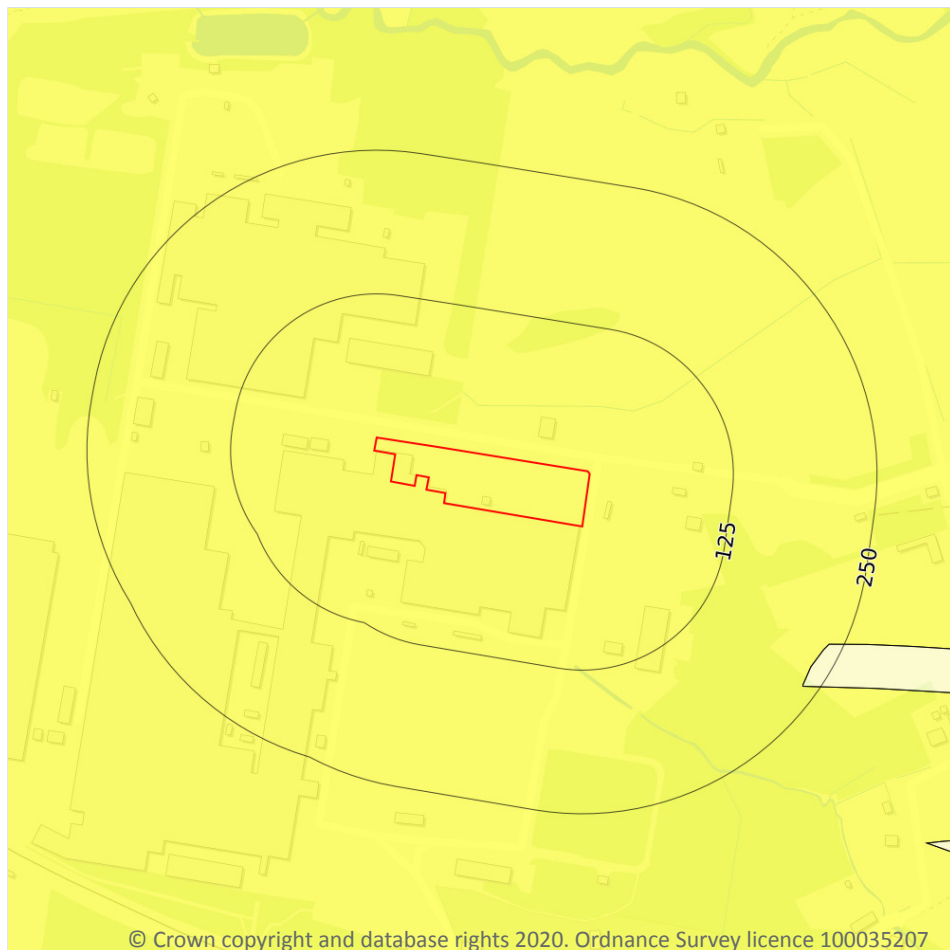
0

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.

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

1

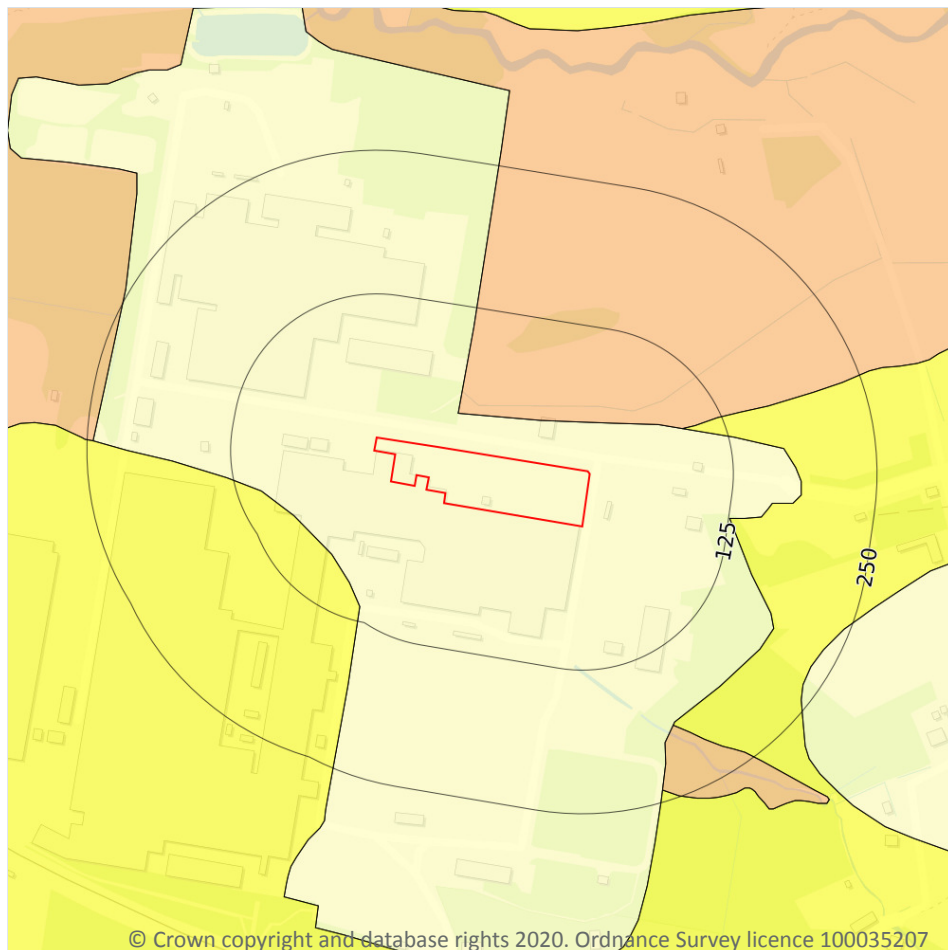
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

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

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Running sands map on **page 108**

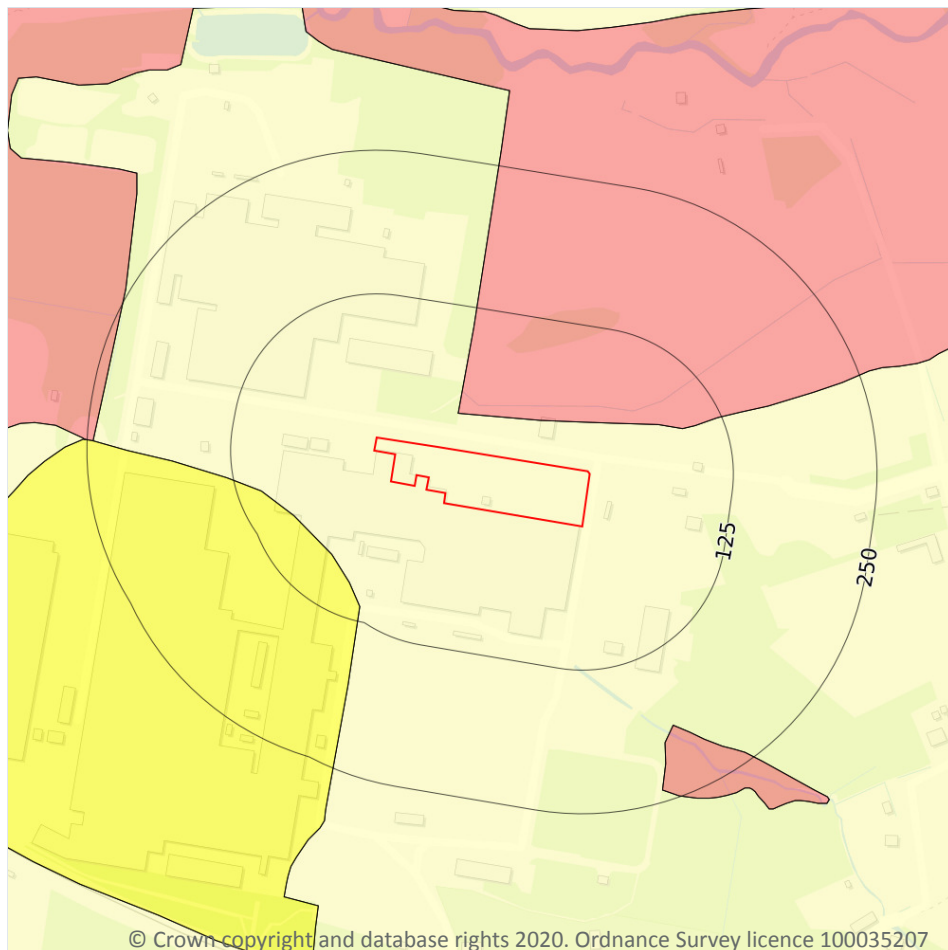
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
32m N	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.

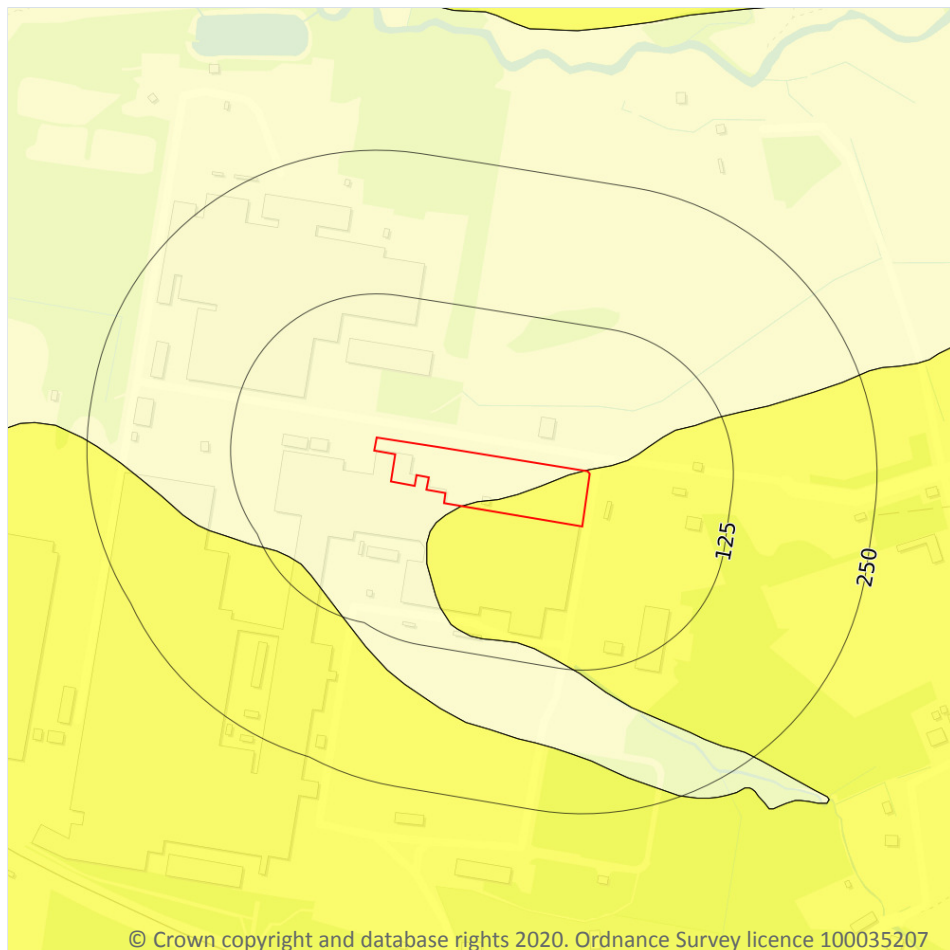
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 110**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
32m N	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



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

17.4 Collapsible deposits

Records within 50m

2

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

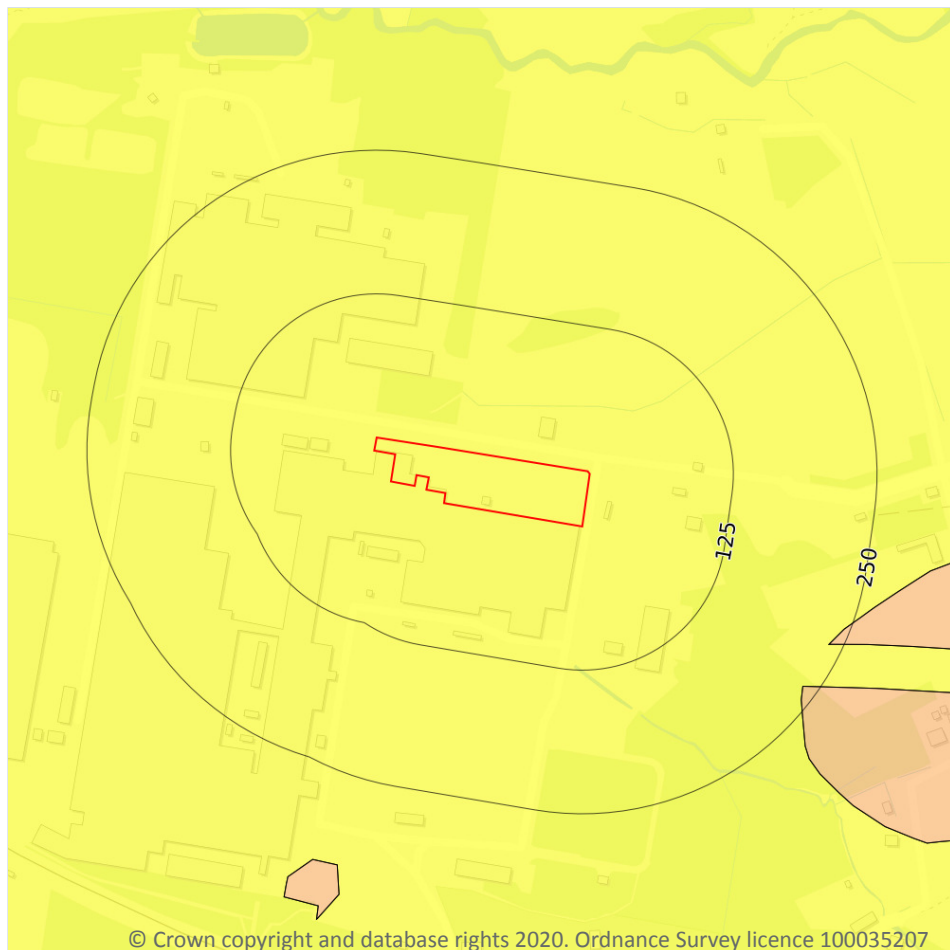
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 112**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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

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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.

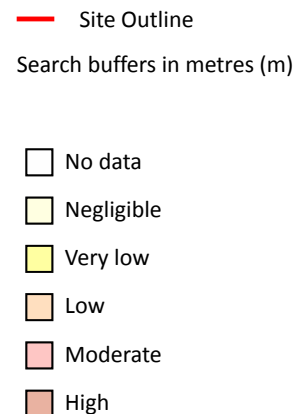
Features are displayed on the Natural ground subsidence - Landslides map on **page 113**

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.

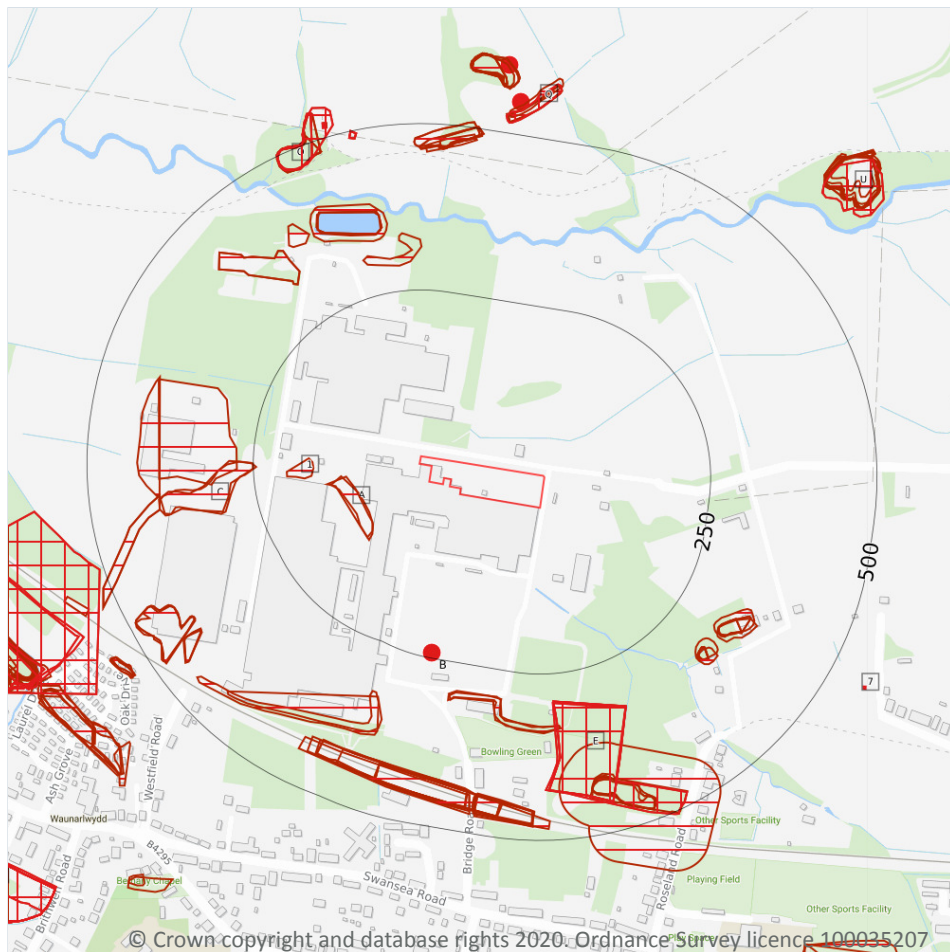
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 114**

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 Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m

1

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

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

ID	Location	Details	Description
B	242m S	Name: Ystrad-isaf Address: Gorseinon, SWANSEA, West Glamorgan Commodity: Coal, Deep Status: 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)	Type: Ceased 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

5

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	101m SW	Gravel Pit	1968	1:10560
A	103m SW	Refuse Heap	1964	1:10560
1	160m W	Unspecified Pit	1964	1:10560
B	233m S	Old Coal Pit	1897	1:10560
C	246m W	Refuse Heap	1964	1:10560

This data is sourced from Ordnance Survey/Groundsure.



18.4 Underground workings

Records within 1000m

45

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
B	233m S	Old Coal Pit	1897	1:10560
E	292m S	Disused Colliery	1914	1:10560
E	292m S	Disused Colliery	1897	1:10560
E	294m S	Disused Colliery	1921	1:10560
O	468m NW	Unspecified Disused Drift	1968	1:10560
O	471m NW	Unspecified Disused Drift	1964	1:10560
O	488m N	Unspecified Disused Drift	1994	1:10000
O	488m N	Unspecified Disused Drift	1980	1:10000
6	506m W	Colliery	1878	1:10560
O	514m N	Unspecified Old Drift	1947	1:10560
O	514m N	Unspecified Old Drift	1936	1:10560
Q	516m N	Old Coal Pit	1913	1:10560
7	556m SE	Coal Pit	1878	1:10560
T	568m SW	Disused Colliery	1905	1:10560
T	574m SW	Disused Colliery	1913	1:10560
U	596m NE	Disused Colliery	1878	1:10560
T	643m SW	Disused Colliery	1900	1:10560
8	656m SW	Colliery	1878	1:10560
-	682m W	Colliery	1913	1:10560
-	797m N	Unspecified Shaft	1878	1:10560
-	808m N	Coal Pit	1878	1:10560
AA	828m SW	Disused Colliery	1897	1:10560
AA	831m SW	Disused Colliery	1948	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AA	831m SW	Disused Colliery	1914	1:10560
AA	831m SW	Disused Colliery	1878	1:10560
AA	831m SW	Disused Colliery	1921	1:10560
AA	831m SW	Disused Colliery	1913	1:10560
-	868m NE	Old Coal Pit	1913	1:10560
-	881m N	Air Shaft	1897	1:10560
-	885m N	Coal Pit	1897	1:10560
-	892m E	Old Colliery	1897	1:10560
-	892m SW	Unspecified Disused Mine	1967	1:10560
-	905m SW	Air Shaft	1878	1:10560
-	924m SE	Colliery	1878	1:10560
-	924m SE	Disused Colliery	1921	1:10560
-	925m SE	Unspecified Disused Mine	1964	1:10560
-	926m SE	Disused Colliery	1914	1:10560
-	926m SE	Disused Colliery	1897	1:10560
-	928m SE	Coal Pit	1878	1:10560
-	947m SE	Unspecified Disused Mine	1968	1:10560
-	954m E	Unspecified Shaft	1897	1:10560
-	967m NE	Colliery	1936	1:10560
-	974m NE	Colliery	1897	1:10560
-	982m NE	Colliery	1913	1:10560
-	986m NE	Unspecified Disused Mine	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 Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

0

Areas which could be affected by former coal 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

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 Mining Searches UK.

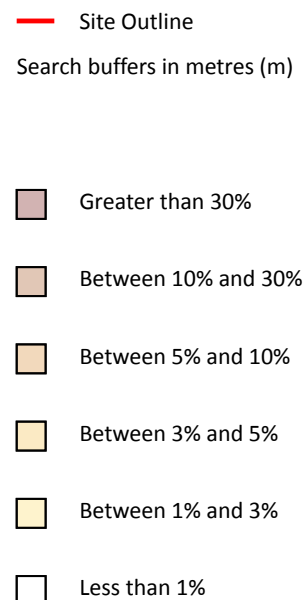
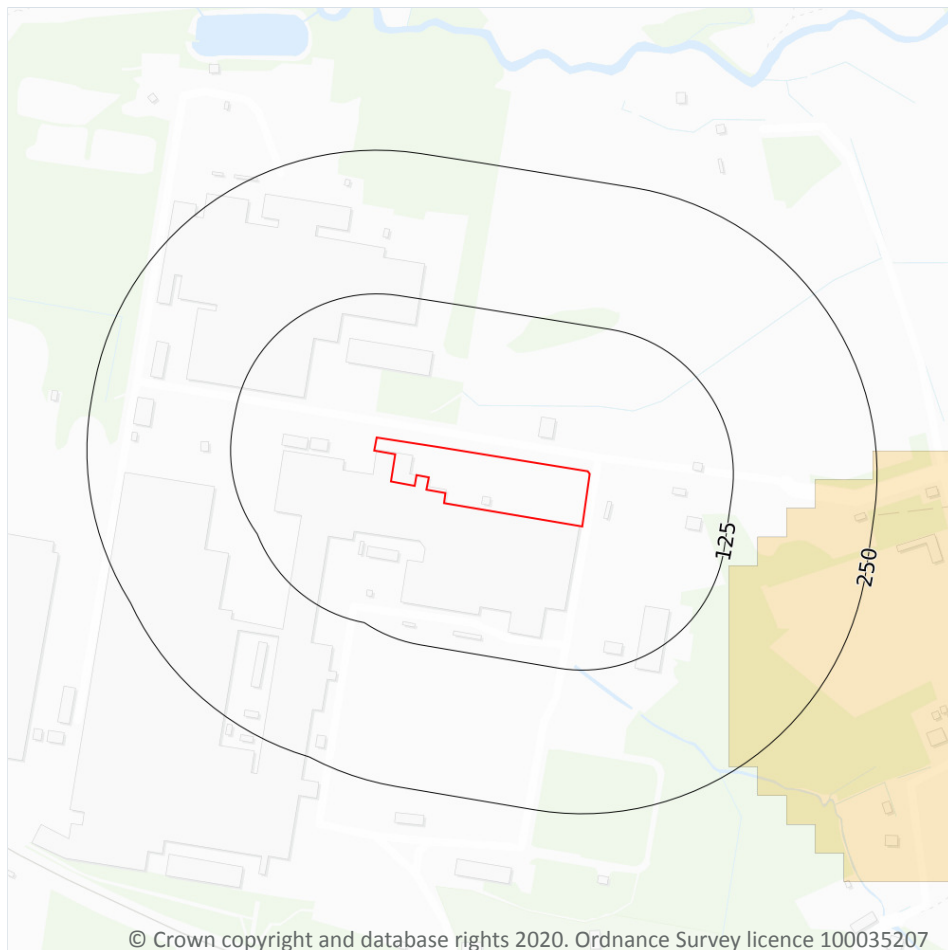
18.13 Clay mining

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



19.1 Radon

Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 122**

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

This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

4

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	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

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

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**0**

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.

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	0
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Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	0
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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
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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
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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
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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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