

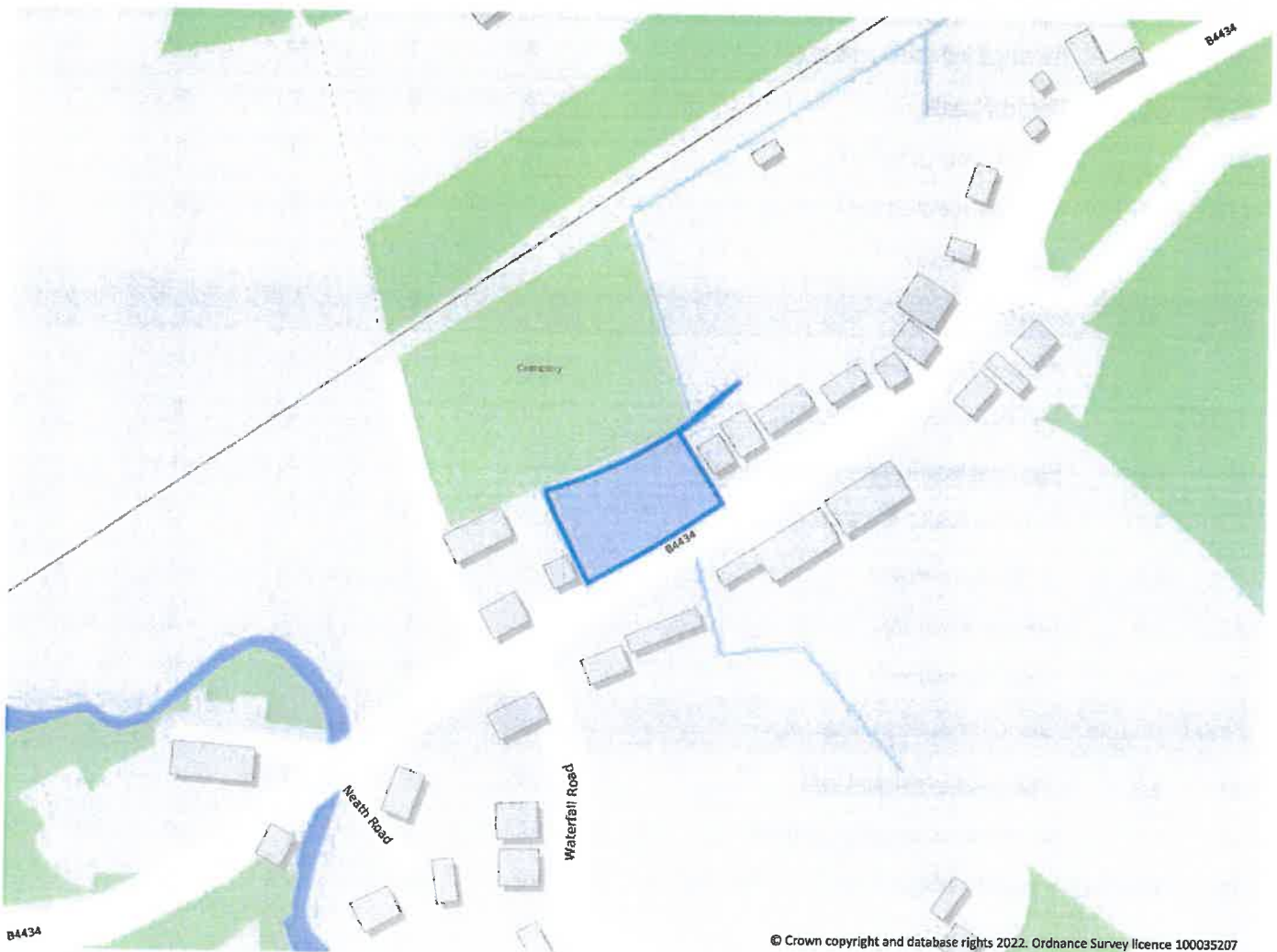
100, NEATH ROAD, RESOLVEN, SA11 4AN

Order Details

Date: 09/02/2022
Your ref: Resolven
Our Ref: GS-8509557
Client: Ateb

Site Details

Location: 282331 202109
Area: 0.16 ha
Authority: Castell-nedd Port Talbot - Neath Port Talbot County Borough



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

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08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	<u>Historical industrial land uses</u>	2	2	35	49	-
18	1.2	<u>Historical tanks</u>	0	0	3	7	-
19	1.3	Historical energy features	0	0	0	0	-
19	1.4	Historical petrol stations	0	0	0	0	-
19	1.5	Historical garages	0	0	0	0	-
19	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
20	2.1	<u>Historical industrial land uses</u>	3	2	42	61	-
24	2.2	<u>Historical tanks</u>	0	0	3	9	-
25	2.3	Historical energy features	0	0	0	0	-
25	2.4	Historical petrol stations	0	0	0	0	-
26	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
27	3.1	Active or recent landfill	0	0	0	0	-
27	3.2	Historical landfill (BGS records)	0	0	0	0	-
28	3.3	<u>Historical landfill (LA/mapping records)</u>	0	0	3	4	-
28	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
28	3.5	Historical waste sites	0	0	0	0	-
29	3.6	Licensed waste sites	0	0	0	0	-
29	3.7	Waste exemptions	0	0	0	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
30	4.1	<u>Recent industrial land uses</u>	0	0	3	-	-
31	4.2	Current or recent petrol stations	0	0	0	0	-
31	4.3	Electricity cables	0	0	0	0	-
31	4.4	Gas pipelines	0	0	0	0	-
31	4.5	Sites determined as Contaminated Land	0	0	0	0	-



31	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
32	4.7	Regulated explosive sites	0	0	0	0	-
32	4.8	Hazardous substance storage/usage	0	0	0	0	-
32	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
32	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
32	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	3	-
33	4.12	Radioactive Substance Authorisations	0	0	0	0	-
33	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	5	5	-
35	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
35	4.15	<u>Pollutant release to public sewer</u>	0	0	1	0	-
36	4.16	List 1 Dangerous Substances	0	0	0	0	-
36	4.17	List 2 Dangerous Substances	0	0	0	0	-
36	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	2	2	-
37	4.19	Pollution inventory substances	0	0	0	0	-
37	4.20	Pollution inventory waste transfers	0	0	0	0	-
37	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
38	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
40	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
41	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
42	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
42	5.5	Groundwater vulnerability- local information	None (within 0m)				
43	5.6	<u>Groundwater abstractions</u>	0	0	0	0	2
44	5.7	<u>Surface water abstractions</u>	0	0	0	1	4
46	5.8	Potable abstractions	0	0	0	0	0
46	5.9	Source Protection Zones	0	0	0	0	-
46	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
47	6.1	<u>Water Network (OS MasterMap)</u>	2	1	13	-	-



49	6.2	<u>Surface water features</u>	1	1	8	-	-
49	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
50	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
50	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
51	7.1	<u>Risk of flooding from rivers and the sea</u>	Low (within 50m)				
52	7.2	<u>Historical Flood Events</u>	0	0	2	-	-
52	7.3	Flood Defences	0	0	0	-	-
52	7.4	<u>Areas Benefiting from Flood Defences</u>	0	3	1	-	-
53	7.5	Flood Storage Areas	0	0	0	-	-
54	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
55	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
56	8.1	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
58	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
59	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
60	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
60	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
60	10.4	Special Protection Areas (SPA)	0	0	0	0	0
60	10.5	National Nature Reserves (NNR)	0	0	0	0	0
61	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
61	10.7	<u>Designated Ancient Woodland</u>	0	0	5	3	72
64	10.8	Biosphere Reserves	0	0	0	0	0
64	10.9	Forest Parks	0	0	0	0	0
64	10.10	Marine Conservation Zones	0	0	0	0	0
65	10.11	Green Belt	0	0	0	0	0
65	10.12	Proposed Ramsar sites	0	0	0	0	0



65	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
65	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
65	10.15	Nitrate Sensitive Areas	0	0	0	0	0
66	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
67	10.17	SSSI Impact Risk Zones	0	-	-	-	-
67	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
68	11.1	World Heritage Sites	0	0	0	-	-
68	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
68	11.3	National Parks	0	0	0	-	-
68	11.4	Listed Buildings	0	0	0	-	-
69	11.5	Conservation Areas	0	0	0	-	-
69	11.6	Scheduled Ancient Monuments	0	0	0	-	-
69	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
70	12.1	<u>Agricultural Land Classification</u>	Grade 4 (within 250m)				
71	12.2	<u>Open Access Land</u>	0	0	1	-	-
71	12.3	Tree Felling Licences	0	0	0	-	-
72	12.4	Environmental Stewardship Schemes	0	0	0	-	-
72	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
73	13.1	Priority Habitat Inventory	0	0	0	-	-
73	13.2	Habitat Networks	0	0	0	-	-
73	13.3	Open Mosaic Habitat	0	0	0	-	-
73	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
74	14.1	<u>10k Availability</u>	Identified (within 500m)				
75	14.2	Artificial and made ground (10k)	0	0	0	0	-
76	14.3	Superficial geology (10k)	0	0	0	0	-



76	14.4	Landslip (10k)	0	0	0	0	-
77	14.5	Bedrock geology (10k)	0	0	0	0	-
77	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
78	15.1	<u>50k Availability</u>	Identified (within 500m)				
79	15.2	<u>Artificial and made ground (50k)</u>	0	0	1	0	-
80	15.3	Artificial ground permeability (50k)	0	0	-	-	-
81	15.4	<u>Superficial geology (50k)</u>	1	1	3	1	-
82	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
82	15.6	<u>Landslip (50k)</u>	0	0	0	1	-
82	15.7	Landslip permeability (50k)	None (within 50m)				
83	15.8	<u>Bedrock geology (50k)</u>	2	0	8	8	-
84	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
85	15.10	<u>Bedrock faults and other linear features (50k)</u>	1	0	4	6	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
86	16.1	<u>BGS Boreholes</u>	0	0	2	-	-
Page	Section	Natural ground subsidence					
87	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
88	17.2	<u>Running sands</u>	Very low (within 50m)				
89	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
90	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
91	17.5	<u>Landslides</u>	Very low (within 50m)				
92	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
93	18.1	Natural cavities	0	0	0	0	-
94	18.2	<u>BritPits</u>	0	0	1	7	-
95	18.3	<u>Surface ground workings</u>	3	1	23	-	-
97	18.4	<u>Underground workings</u>	0	0	3	3	95
100	18.5	Historical Mineral Planning Areas	0	0	0	0	-



101	18.6	<u>Non-coal mining</u>	0	0	0	0	1
101	18.7	Mining cavities	0	0	0	0	0
101	18.8	JPB mining areas	None (within 0m)				
101	18.9	<u>Coal mining</u>	Identified (within 0m)				
102	18.10	Brine areas	None (within 0m)				
102	18.11	Gypsum areas	None (within 0m)				
102	18.12	Tin mining	None (within 0m)				
102	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
103	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
104	20.1	<u>BGS Estimated Background Soil Chemistry</u>	2	2	-	-	-
104	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
105	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
106	21.1	Underground railways (London)	0	0	0	-	-
106	21.2	Underground railways (Non-London)	0	0	0	-	-
107	21.3	Railway tunnels	0	0	0	-	-
107	21.4	<u>Historical railway and tunnel features</u>	0	0	24	-	-
108	21.5	Royal Mail tunnels	0	0	0	-	-
108	21.6	Historical railways	0	0	0	-	-
108	21.7	<u>Railways</u>	0	0	10	-	-
109	21.8	Crossrail 1	0	0	0	0	-
109	21.9	Crossrail 2	0	0	0	0	-
109	21.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 14/04/2020

Site Area: 0.16ha



Contact us with any questions at:
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Date: 9 February 2022

Recent site history - 2017 aerial photograph



Capture Date: 17/06/2017

Site Area: 0.16ha



Contact us with any questions at:
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Date: 9 February 2022



Recent site history - 2014 aerial photograph



Capture Date: 23/07/2014

Site Area: 0.16ha



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Date: 9 February 2022

Recent site history - 2010 aerial photograph



Capture Date: 23/05/2010

Site Area: 0.16ha



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Date: 9 February 2022

Recent site history - 2000 aerial photograph

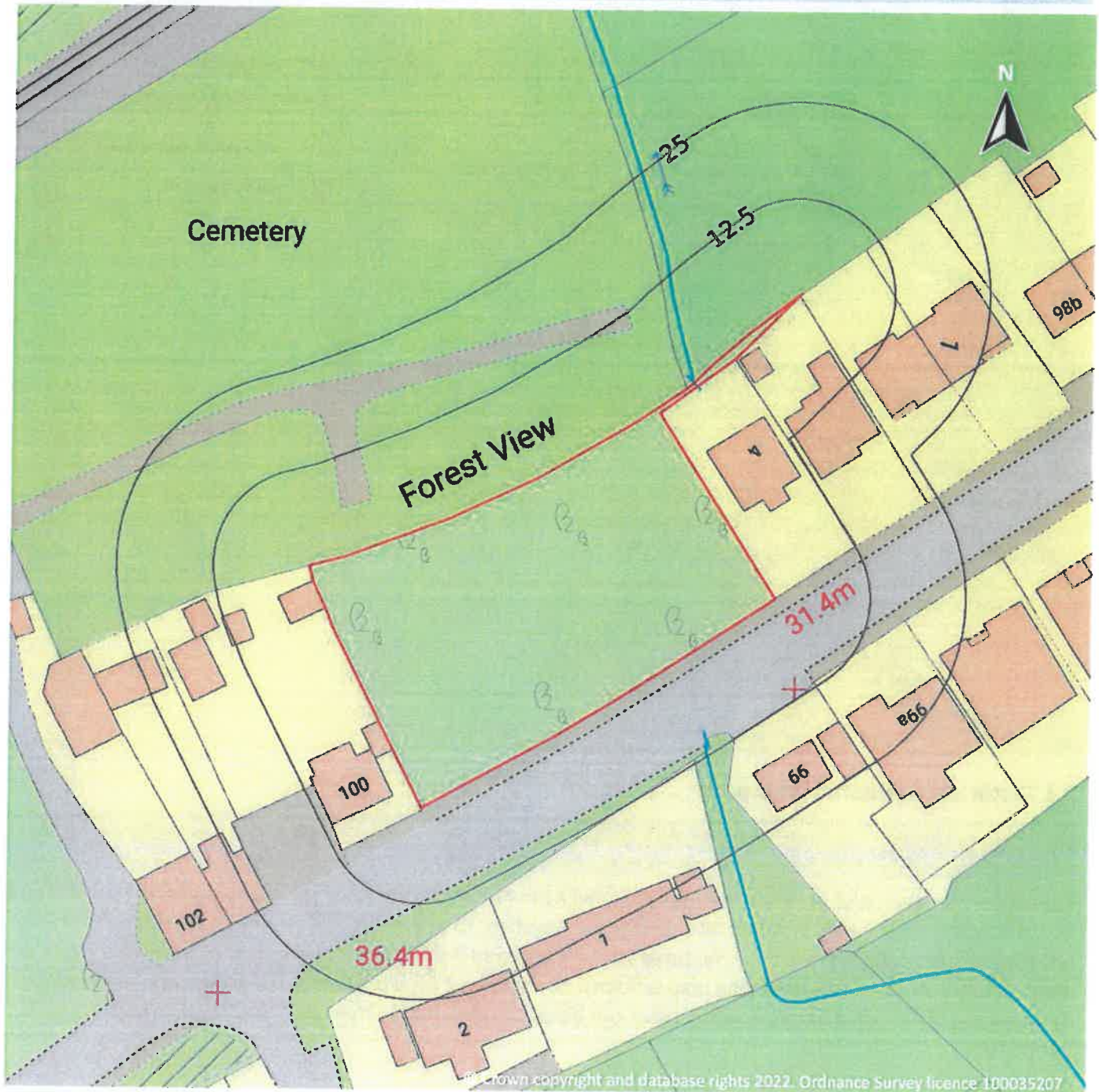


Capture Date: 18/06/2000

Site Area: 0.16ha



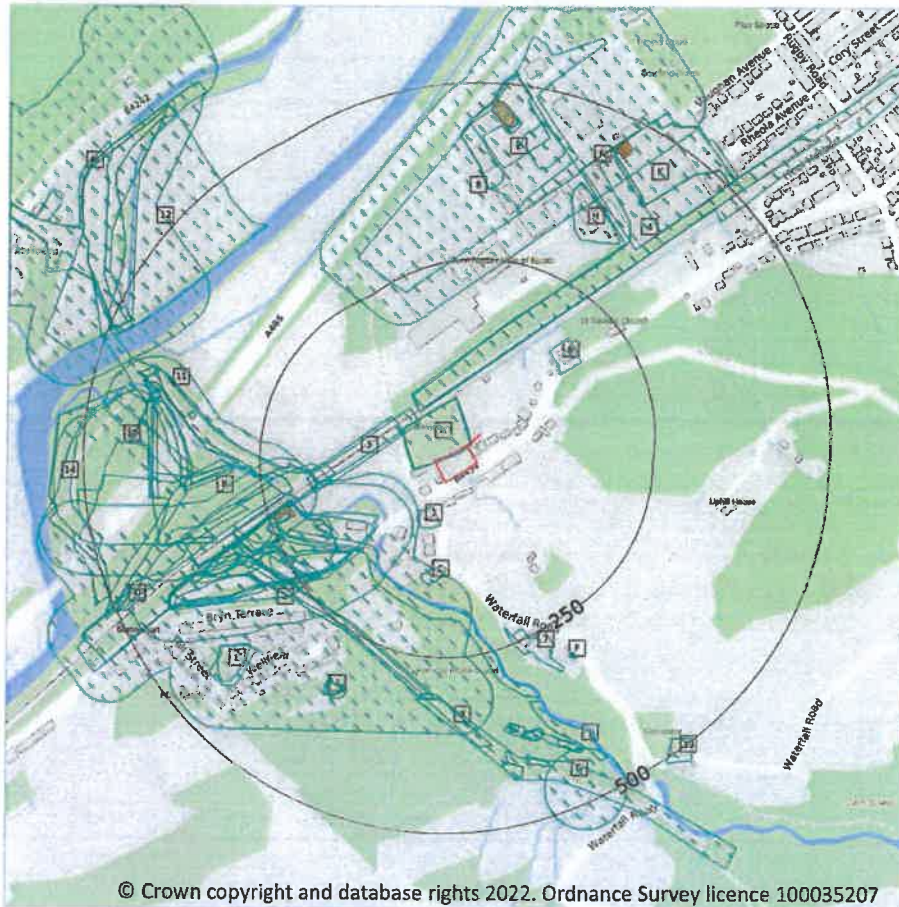
OS MasterMap site plan



Site Area: 0.16ha



1 Past land use



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

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1.1 Historical industrial land uses

Records within 500m

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Cemetery	1876	302867



ID	Location	Land use	Dates present	Group ID
A	On site	Cemetery	1965 - 1988	309932
1	38m SW	Disused Corn Mill	1897	254005
2	50m SW	Colliery	1921	290329
3	55m NW	Cuttings	1877	269055
B	61m NW	Railway Sidings	1921	293707
B	64m SW	Colliery	1921	302767
4	71m N	Railway Sidings	1965 - 1988	272292
5	76m N	Railway Sidings	1876	275945
B	106m SW	Brick Works	1877 - 1897	285862
C	118m S	Corn Mill	1877	254405
B	119m SW	Colliery	1876 - 1877	282034
C	136m SW	Tramway Sidings	1897	256986
D	143m W	Railway Sidings	1876	291644
6	145m NE	Grave Yard	1877	256024
B	150m W	Railway Sidings	1965 - 1988	275351
B	150m SW	Railway Sidings	1877	288689
B	166m SW	Refuse Heap	1876	288221
B	167m SW	Refuse Heap	1921	311681
B	170m SW	Refuse Heap	1921	298557
B	172m SW	Refuse Heap	1876	275223
B	173m W	Colliery	1921	279023
B	176m SW	Refuse Heap	1965	297404
B	176m SW	Refuse Heap	1988	310568
E	185m NW	Sewage Works	1921	275765
B	207m W	Colliery	1921	290288
B	207m W	Railway Sidings	1921	312296
B	215m W	Unspecified Tanks	1921	290061
B	215m W	Unspecified Tanks	1877	279481



ID	Location	Land use	Dates present	Group ID
B	218m W	Unspecified Tank	1897 - 1921	314319
B	220m SW	Refuse Heap	1921	295694
B	223m SW	Cuttings	1877	269057
B	223m W	Refuse Heap	1921	277390
7	223m SE	Furnace	1877	254732
8	228m NW	Sewage Works	1921	289226
B	232m W	Refuse Heap	1965 - 1988	299677
B	233m W	Unspecified Tank	1897 - 1921	285086
B	239m SW	Tramway Sidings	1897	256987
B	239m SW	Railway Sidings	1921	289421
B	267m SW	Colliery	1897	272903
D	285m W	Refuse Heap	1921	309222
D	288m W	Refuse Heap	1921	294641
B	295m SW	Refuse Heap	1921	295693
F	301m SE	Old Lime Kiln	1876	307115
F	302m SE	Old Lime Kiln	1921	275870
9	302m S	Tramway Sidings	1921	301435
F	305m SE	Old Lime Kiln	1921	310150
B	308m SW	Refuse Heap	1921	284548
G	309m S	Tramway Sidings	1877	293951
H	313m NE	Refuse Heap	1965 - 1988	277746
I	320m SW	Unspecified Quarry	1876	284590
I	324m SW	Unspecified Quarry	1921	288147
I	326m SW	Unspecified Quarry	1921	309083
E	328m N	Unspecified Works	1965 - 1988	278734
J	335m S	Railway Sidings	1897	269731
10	340m W	Unspecified Ground Workings	1965 - 1988	310721
K	344m NE	Unspecified Works	1965 - 1988	300433



ID	Location	Land use	Dates present	Group ID
D	346m W	Railway Building	1876	256718
E	351m N	Refuse Heap	1965 - 1988	281073
J	354m S	Unspecified Disused Pits	1965 - 1988	316942
J	357m S	Old Clay Pits	1921 - 1948	302049
L	358m SW	Unspecified Quarry	1921	302554
J	358m S	Unspecified Pit	1921	268536
L	361m SW	Unspecified Quarry	1876	271699
J	372m S	Old Clay Pits	1921 - 1948	280852
J	373m S	Unspecified Heap	1921	260187
E	381m N	Sewage Works	1876	298663
11	383m W	Railway Building	1876	256717
E	388m N	Unspecified Tanks	1965 - 1988	294647
M	392m NW	Colliery	1921	292876
J	393m S	Old Clay Pits	1921	250880
K	399m NE	Engineering Works	1876	266055
J	400m SE	Clay Pits	1897	264028
J	406m S	Clay Pits	1897	264021
J	408m S	Cuttings	1877	269056
12	410m NW	Colliery	1921	276163
G	423m SE	Unspecified Disused Level	1965 - 1988	283239
E	432m N	Unspecified Tanks	1921	310133
E	438m N	Unspecified Tanks	1876	311793
E	440m N	Unspecified Tank	1921	252825
O	452m SW	Refuse Heap	1921	298479
E	454m N	Unspecified Tank	1921	252824
O	462m SW	Refuse Heap	1921	303527
M	469m NW	Railway Sidings	1921	318509
M	474m NW	Colliery	1876	290423



ID	Location	Land use	Dates present	Group ID
M	479m NW	Railway Sidings	1921	309654
13	481m SE	Burial Ground	1877	264018
14	486m W	Refuse Heap	1876	271288

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

10

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
B	213m W	Tanks	1918	34908
B	242m SW	Unspecified Tank	1918	36130
B	244m SW	Unspecified Tank	1962	36233
H	343m NE	Unspecified Tank	1996 - 1998	36540
N	423m NE	Unspecified Tank	1964	36454
N	423m NE	Unspecified Tank	1989	36668
E	441m N	Tanks	1918	34904
N	443m NE	Unspecified Tank	1996 - 1998	36508
N	449m NE	Unspecified Tank	1989	34956
N	449m NE	Unspecified Tank	1964	36044

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m**0**

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'.

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

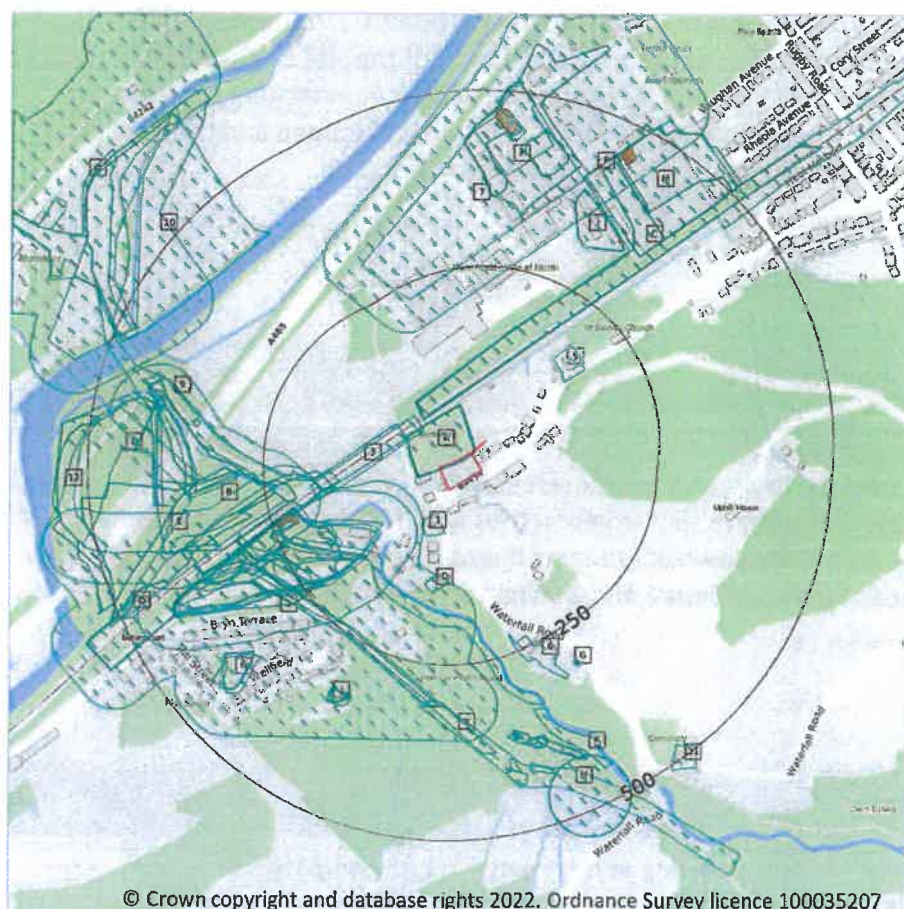
Records within 500m**0**

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

2.1 Historical industrial land uses

Records within 500m

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Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 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 20**

ID	Location	Land Use	Date	Group ID
A	On site	Cemetery	1965	309932
A	On site	Cemetery	1988	309932
A	On site	Cemetery	1876	302867



ID	Location	Land Use	Date	Group ID
1	38m SW	Disused Corn Mill	1897	254005
2	50m SW	Colliery	1921	290329
3	55m NW	Cuttings	1877	269055
B	61m NW	Railway Sidings	1921	293707
B	64m SW	Colliery	1921	302767
C	71m N	Railway Sidings	1965	272292
C	71m N	Railway Sidings	1988	272292
4	76m N	Railway Sidings	1876	275945
B	106m SW	Brick Works	1897	285862
B	114m SW	Brick Works	1877	285862
D	118m S	Corn Mill	1877	254405
E	119m SW	Colliery	1876	282034
D	136m SW	Tramway Sidings	1897	256986
E	143m W	Railway Sidings	1876	291644
5	145m NE	Grave Yard	1877	256024
B	150m W	Railway Sidings	1965	275351
B	150m W	Railway Sidings	1988	275351
B	150m SW	Railway Sidings	1877	288689
B	150m SW	Colliery	1877	282034
B	166m SW	Refuse Heap	1876	288221
B	167m SW	Refuse Heap	1921	311681
B	170m SW	Refuse Heap	1921	298557
B	172m SW	Refuse Heap	1876	275223
E	173m W	Colliery	1921	279023
B	176m SW	Refuse Heap	1965	297404
B	176m SW	Refuse Heap	1988	310568
F	185m NW	Sewage Works	1921	275765
E	207m W	Railway Sidings	1921	312296



ID	Location	Land Use	Date	Group ID
E	207m W	Colliery	1921	290288
B	215m W	Unspecified Tanks	1921	290061
B	215m W	Unspecified Tanks	1877	279481
B	218m W	Unspecified Tank	1897	314319
B	219m W	Unspecified Tank	1921	314319
B	220m SW	Refuse Heap	1921	295694
B	223m SW	Cuttings	1877	269057
B	223m W	Refuse Heap	1921	277390
6	223m SE	Furnace	1877	254732
7	228m NW	Sewage Works	1921	289226
E	232m W	Refuse Heap	1965	299677
E	232m W	Refuse Heap	1988	299677
B	233m W	Unspecified Tank	1897	285086
B	234m W	Unspecified Tank	1921	285086
B	239m SW	Tramway Sidings	1897	256987
B	239m SW	Railway Sidings	1921	289421
B	267m SW	Colliery	1897	272903
E	285m W	Refuse Heap	1921	309222
E	288m W	Refuse Heap	1921	294641
B	295m SW	Refuse Heap	1921	295693
G	301m SE	Old Lime Kiln	1876	307115
G	302m SE	Old Lime Kiln	1921	275870
8	302m S	Tramway Sidings	1921	301435
G	305m SE	Old Lime Kiln	1921	310150
B	308m SW	Refuse Heap	1921	284548
H	309m S	Tramway Sidings	1877	293951
I	313m NE	Refuse Heap	1965	277746
I	313m NE	Refuse Heap	1988	277746



ID	Location	Land Use	Date	Group ID
J	320m SW	Unspecified Quarry	1876	284590
J	324m SW	Unspecified Quarry	1921	288147
J	326m SW	Unspecified Quarry	1921	309083
F	328m N	Unspecified Works	1965	278734
F	328m N	Unspecified Works	1988	278734
K	335m S	Railway Sidings	1897	269731
L	340m W	Unspecified Ground Workings	1965	310721
L	340m W	Unspecified Ground Workings	1988	310721
M	344m NE	Unspecified Works	1965	300433
M	344m NE	Unspecified Works	1988	300433
E	346m W	Railway Building	1876	256718
F	351m N	Refuse Heap	1965	281073
F	351m N	Refuse Heap	1988	281073
K	354m S	Unspecified Disused Pits	1965	316942
K	354m S	Unspecified Disused Pits	1988	316942
K	357m S	Old Clay Pits	1948	302049
N	358m SW	Unspecified Quarry	1921	302554
K	358m S	Unspecified Pit	1921	268536
K	359m S	Old Clay Pits	1921	302049
N	361m SW	Unspecified Quarry	1876	271699
N	364m SW	Unspecified Quarry	1921	302554
K	372m S	Old Clay Pits	1948	280852
K	373m S	Unspecified Heap	1921	260187
K	373m S	Old Clay Pits	1921	280852
F	381m N	Sewage Works	1876	298663
9	383m W	Railway Building	1876	256717
F	388m N	Unspecified Tanks	1965	294647
F	388m N	Unspecified Tanks	1988	294647



ID	Location	Land Use	Date	Group ID
O	392m NW	Colliery	1921	292876
K	393m S	Old Clay Pits	1921	250880
E	395m W	Refuse Heap	1921	309222
M	399m NE	Engineering Works	1876	266055
K	400m SE	Clay Pits	1897	264028
K	406m S	Clay Pits	1897	264021
K	408m S	Cuttings	1877	269056
10	410m NW	Colliery	1921	276163
H	423m SE	Unspecified Disused Level	1965	283239
H	423m SE	Unspecified Disused Level	1988	283239
F	432m N	Unspecified Tanks	1921	310133
F	438m N	Unspecified Tanks	1876	311793
F	440m N	Unspecified Tank	1921	252825
Q	452m SW	Refuse Heap	1921	298479
F	454m N	Unspecified Tank	1921	252824
Q	462m SW	Refuse Heap	1921	303527
O	469m NW	Railway Sidings	1921	318509
O	474m NW	Colliery	1876	290423
O	479m NW	Railway Sidings	1921	309654
11	481m SE	Burial Ground	1877	264018
12	486m W	Refuse Heap	1876	271288

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

12

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 20**



ID	Location	Land Use	Date	Group ID
B	213m W	Tanks	1918	34908
B	242m SW	Unspecified Tank	1918	36130
B	244m SW	Unspecified Tank	1962	36233
I	343m NE	Unspecified Tank	1996	36540
I	343m NE	Unspecified Tank	1998	36540
P	423m NE	Unspecified Tank	1964	36454
P	423m NE	Unspecified Tank	1989	36668
F	441m N	Tanks	1918	34904
P	443m NE	Unspecified Tank	1996	36508
P	443m NE	Unspecified Tank	1998	36508
P	449m NE	Unspecified Tank	1964	36044
P	449m NE	Unspecified Tank	1989	34956

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

0

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'.

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)
- Historical landfill (LA/OS)

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m**7**

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

Features are displayed on the Waste and landfill map on **page 27**

ID	Location	Site address	Source	Data type
1	150m SW	Refuse Tip	1962 mapping	Polygon
2	178m SW	Refuse Tip	1962 mapping	Polygon
3	232m W	Refuse Tip	1962 mapping	Polygon
4	313m NE	Refuse Tip	1962 mapping	Polygon
5	319m W	Refuse Tip	1962 mapping	Polygon
6	327m SW	Refuse Tip	1962 mapping	Polygon
7	353m N	Refuse Tip	1962 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**0**

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.

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

3.5 Historical waste sites

Records within 500m**0**

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

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



3.6 Licensed waste sites

Records within 500m

0

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

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

3.7 Waste exemptions

Records within 500m

0

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.

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
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollutant release to public sewer
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

3

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 30**

ID	Location	Company	Address	Activity	Category
B	146m NW	Silo	West Glamorgan, SA11	Hoppers and Silos	Farming
B	147m NW	Tank	West Glamorgan, SA11	Tanks (Generic)	Industrial Features
B	203m N	Jtekt Automotive UK Ltd	Neath Vale Supplier Park, Resolven, Neath, West Glamorgan, SA11 4SP	Vehicle Components	Industrial Products



This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 30**

ID	Location	Address	Details	
E	405m NE	TRW Steering Systems Limited, Resolven Plant, Neath Port Talbot, SA11 4HN	Process: Process Unknown Status: Historical Permit Permit Type: Part A2	Enforcement: No enforcements issued Date of enforcement: No enforcements issued Comment: No enforcements issued
E	405m NE	Trw Steering Systems Limited, Resolven Plant, Neath Port Talbot, SA11 4HN	Process: Process Unknown Status: Historical Permit Permit Type: Part B	Enforcement: No enforcements issued Date of enforcement: No enforcements issued Comment: No enforcements issued
E	432m NE	Minerals UK Ltd, Bwch Ffos Mining Site, Mynydd Resolven, Neath Port Talbot, SA10 7AL	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No enforcements issued Date of enforcement: No enforcements issued Comment: No enforcements issued

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

10

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 30**

ID	Location	Address	Details	
A	101m SW	MOSES ROW CSO RESOLVEN NEATH, MOSES ROW CSO, RESOLVEN, NEATH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BW2900301 Permit Version: 2 Receiving Water: MELINCOURT BROOK	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 19/09/2011



ID	Location	Address	Details	
A	112m SW	MOSES ROW CSO RESOLVEN NEATH, Nr Moses Row, RESOLVEN, Neath, SA11 4AP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BW2900301 Permit Version: 4 Receiving Water: MELIN COURT BROOK	Status: Effective Issue date: 17/12/2019 Effective Date: 17/12/2019 Revocation Date: -
A	117m SW	MOSES ROW CSO RESOLVEN NEATH, MOSES ROW CSO, RESOLVEN, NEATH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BW2900301 Permit Version: 3 Receiving Water: MELINCOURT BROOK	Status: Effective Issue date: 20/09/2011 Effective Date: 01/10/2011 Revocation Date: -
C	159m SW	RESOLVEN SWO 4A (MOSES) MOSES ROW U, RESOLVEN SWO 4A (MOSES) MOSES RO, SWO 4A (MOSES) MOSES ROW UPPER	Effluent Type: UNSPECIFIED Permit Number: BW2900401 Permit Version: 1 Receiving Water: MELINCOURT BROOK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 17/06/1963 Effective Date: 17/06/1963 Revocation Date: 14/03/1994
C	173m SW	RESOLVEN SWO 4 (MOSES) MOSES ROW L, RESOLVEN SWO 4 (MOSES) MOSES RO, SWO 4 (MOSES) MOSES ROW LOWER	Effluent Type: UNSPECIFIED Permit Number: BW2900301 Permit Version: 1 Receiving Water: MELINCOURT BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 17/06/1963 Effective Date: 17/06/1963 Revocation Date: 30/03/2005
D	348m N	TRW STEERING SYSTEMS LTD SITE RESOL, TRW STEERING SYSTEMS LTD, RESOLVEN, NR NEATH, WALES	Effluent Type: FRESHWATER - UNSPECIFIED Permit Number: BA1016501 Permit Version: 2 Receiving Water: UNNAMED TRIBUTARY OF RIVER NEA	Status: SURRENDERED UNDER EPR 2010 Issue date: 19/01/1996 Effective Date: 20/01/1996 Revocation Date: 12/10/2012
D	348m N	TRW STEERING SYSTEMS LTD SITE RESOL, TRW STEERING SYSTEMS LTD, RESOLVEN, NR NEATH, WALES	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: BA1016501 Permit Version: 1 Receiving Water: UNNAMED TRIBUTARY OF RIVER NEA	Status: REVOKED - UNSPECIFIED Issue date: 26/07/1962 Effective Date: 26/07/1962 Revocation Date: 19/01/1996
1	358m W	OLD YNYSARWED COLLIERY YARD MELINCO, OLD YNYSARWED COLLIERY YARD MELI, MELINCOURT	Effluent Type: UNSPECIFIED Permit Number: BB3020601 Permit Version: 1 Receiving Water: MELINCOURT BROOK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 05/10/1970 Effective Date: 05/10/1970 Revocation Date: 07/12/1993



ID	Location	Address	Details	
F	420m NW	RESOLVEN STW STORM TANKS NEATH, RESOLVEN STW STORM TANKS, NEATH VALE SUPPLIER PARK RESOLVE, Resolven, Neath Port Talbot	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: BA2001301 Permit Version: 3 Receiving Water: RIVER NEATH	Status: Effective Issue date: 26/06/2009 Effective Date: 01/01/2010 Revocation Date: -
F	420m NW	RESOLVEN STW STORM TANKS NEATH, RESOLVEN STW STORM TANKS, NEATH VALE SUPPLIER PARK RESOLVE, RESOLVEN, NEATH PORT TALBOT	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: BP0341401 Permit Version: 1 Receiving Water: RIVER NEATH	Status: Effective Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

1

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 30**

ID	Location	Address	Details	
B	182m NW	TOYODA KOKI AUTOMOTIVE UK LTD, NEATH VALE SUPPLIER PARK, RESOLVEN, NEATH, WEST GLAMORGAN, SA11 4SP	Permission reference: BH6168 Local Authority: NEATH PORT TALBOT COUNTY BOROUGH COUNCIL First received date: 01/06/2001	Last received date: 01/07/2017 Status: RECEIVED

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



4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

4

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 30**

ID	Location	Details	
C	155m SW	Incident Date: 15/04/2002 Incident Identification: 71740 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	195m SW	Incident Date: 07/05/2002 Incident Identification: 76918 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	429m W	Incident Date: 06/02/2002 Incident Identification: 56865 Pollutant: Oils and Fuel Pollutant Description: Lubricating Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	438m W	Incident Date: 19/05/2002 Incident Identification: 79728 Pollutant: Oils and Fuel Pollutant Description: Cutting Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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



4.19 Pollution inventory substances

Records within 500m**0**

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

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

4.20 Pollution inventory waste transfers

Records within 500m**0**

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

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

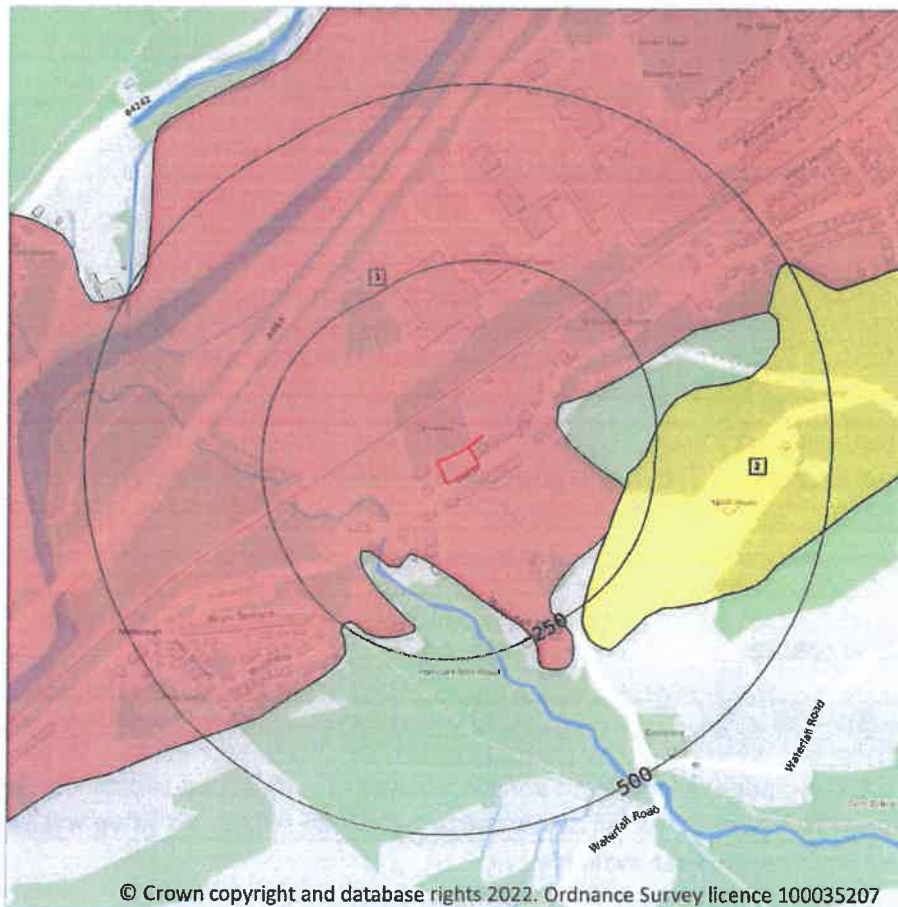
4.21 Pollution inventory radioactive waste

Records within 500m**0**

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 38**

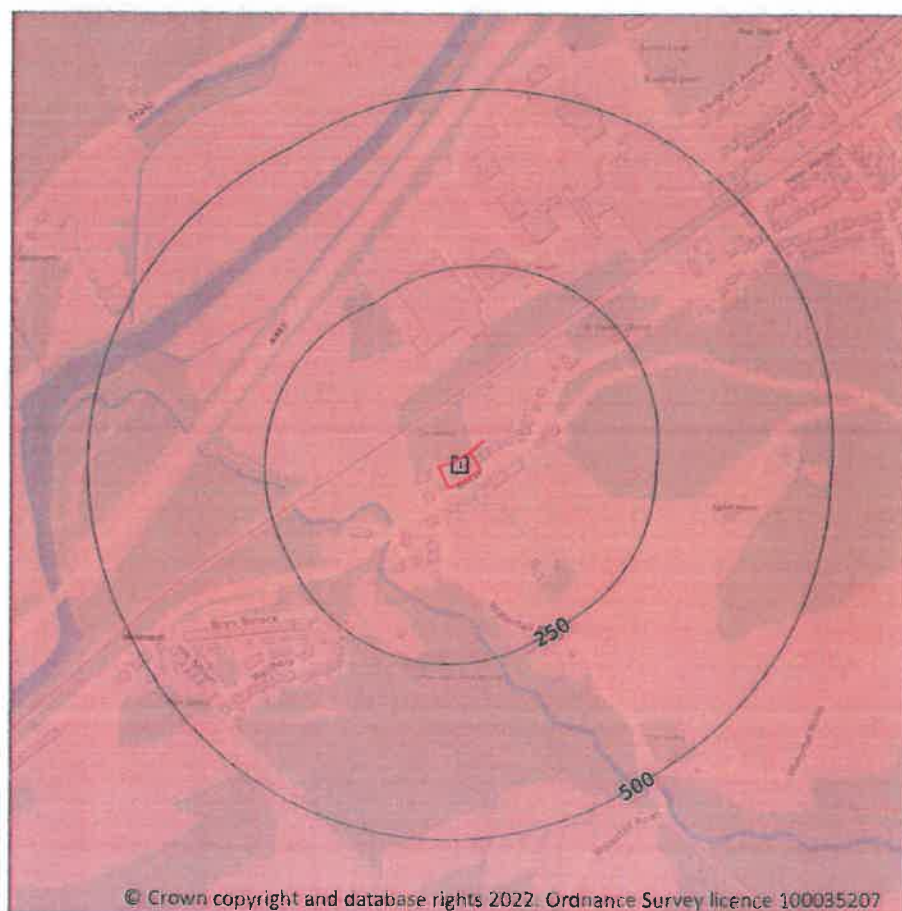
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	205m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type



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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

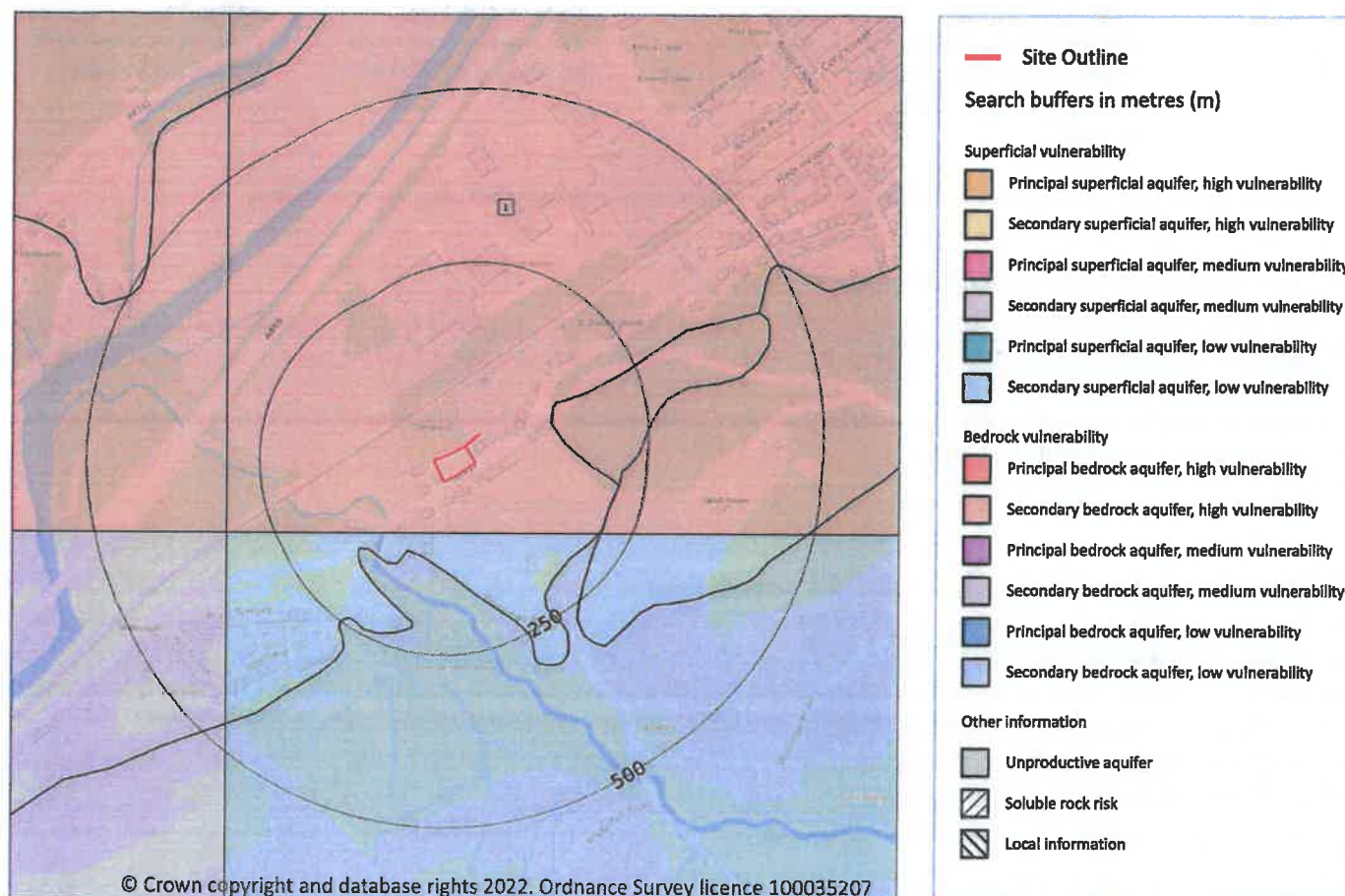
Features are displayed on the Bedrock aquifer map on **page 40**

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

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 41**



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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

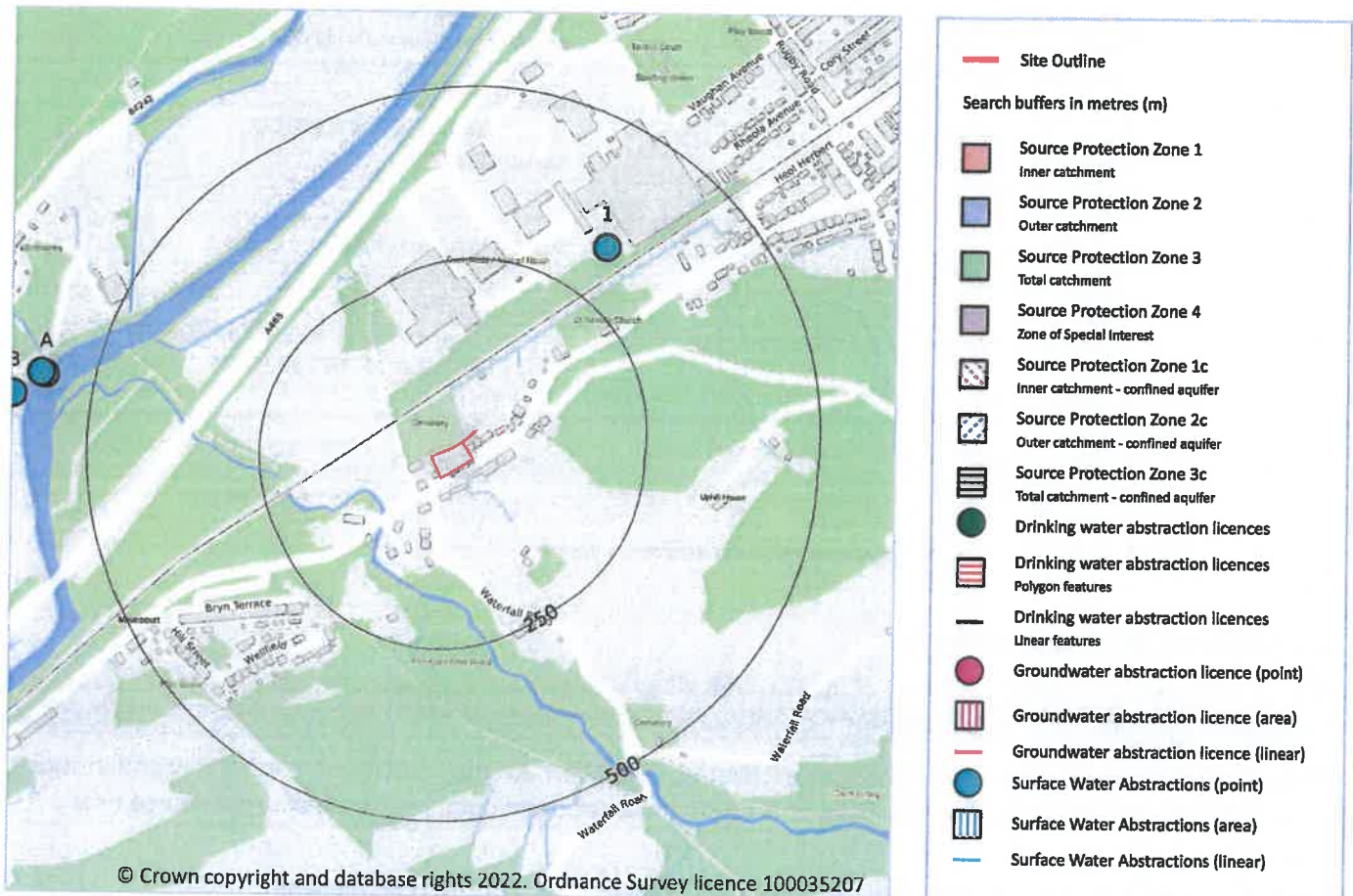
Records on site

0

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

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

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

2

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 43**



ID	Location	Details	
-	1483m W	Status: Historical Licence No: WA/058/0072/001 Details: Pollution Remediation Direct Source: EAW Groundwater Point: MINE ADIT AT YNYSARWED Data Type: Point Name: The Coal Authority Easting: 280856 Northing: 201754	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 04/11/2009 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 04/11/2009 Version End Date: -
-	1483m W	Status: Active Licence No: WA/058/0072/001 Details: Pollution Remediation - Very Low Direct Source: Groundwater - Coal Measures Point: - Data Type: Point Name: - Easting: 280856 Northing: 201754	Annual Volume (m³): 0 Max Daily Volume (m³): - Original Application No: - Original Start Date: Apr 19 2017 12:00AM Expiry Date: Mar 31 2029 12:00AM Issue No: - Version Start Date: - Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

5

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 43**

ID	Location	Details	
1	329m NE	Status: Historical Licence No: 21/58/72/0018 Details: Non-Evaporative Cooling Direct Source: EAW Surface Water Point: NANT Y GLEISIAD Data Type: Point Name: Trw Cam Gears Ltd Easting: 282550 Northing: 202410	Annual Volume (m³): 113650 Max Daily Volume (m³): 288.035 Original Application No: - Original Start Date: 01/04/1976 Expiry Date: - Issue No: 100 Version Start Date: 11/11/1988 Version End Date: -



ID	Location	Details	
A	570m W	Status: Active Licence No: WA/058/0072/0008 Details: Transfer between Sources (Post Water Act 2003) - Very Low Direct Source: River Neath Point: - Data Type: Point Name: - Easting: 281737 Northing: 202218	Annual Volume (m ³): 15,000 Max Daily Volume (m ³): - Original Application No: - Original Start Date: Jun 2 2017 12:00AM Expiry Date: Mar 31 2029 12:00AM Issue No: - Version Start Date: - Version End Date: -
A	578m W	Status: Historical Licence No: 21/58/72/0035 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: EAW Surface Water Point: RIVER NEATH AT ABERGARWED Data Type: Point Name: Neath Canal Navigation Easting: 281730 Northing: 202220	Annual Volume (m ³): 15000 Max Daily Volume (m ³): 18170 Original Application No: - Original Start Date: 26/03/2008 Expiry Date: 31/03/2017 Issue No: 2 Version Start Date: 06/02/2009 Version End Date: -
B	612m W	Status: Historical Licence No: 21/58/72/0007 Details: General use relating to Secondary Category (High Loss) Direct Source: EAW Surface Water Point: RIVER NEATH ADJACENT TO ABERGARWED WEIR Data Type: Point Name: Neath Canal Navigation Easting: 281690 Northing: 202190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/09/2002 Expiry Date: - Issue No: 101 Version Start Date: 11/09/2002 Version End Date: 31/03/2005
B	612m W	Status: Historical Licence No: 21/58/72/0007 Details: General use relating to Secondary Category (Medium Loss) Direct Source: EAW Surface Water Point: RIVER NEATH ADJACENT TO ABERGARWED WEIR Data Type: Point Name: Neath Canal Navigation Easting: 281690 Northing: 202190	Annual Volume (m ³): 1659323 Max Daily Volume (m ³): 4546 Original Application No: - Original Start Date: 11/09/2002 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2005 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)

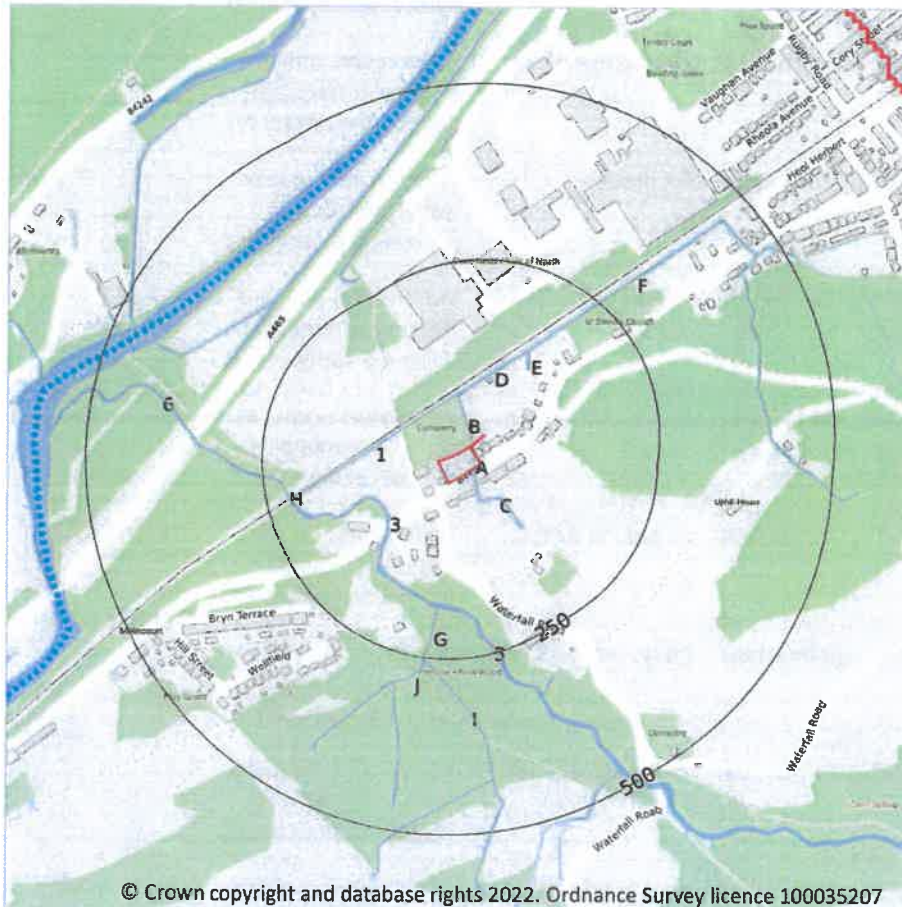
Records within 500m

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

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6.1 Water Network (OS MasterMap)

Records within 250m

16

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 47**

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



ID	Location	Type of water feature	Ground level	Permanence	Name
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	10m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
1	65m NW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
B	68m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	68m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	95m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Melin Court Brook
E	113m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	137m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	173m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Melin Court Brook
G	173m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	214m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	214m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Melin Court Brook
6	219m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Melin Court Brook

ID	Location	Type of water feature	Ground level	Permanence	Name
I	249m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	249m S	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

10

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 47**

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 47**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Neath - conf with Nedd Fechan and Mellte to TL	GB110058032430	Neath	Tawe to Cadoxton

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 47**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
12	400m NW	River	Neath - conf with Nedd Fechan and Mellte to TL	GB110058032430	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.

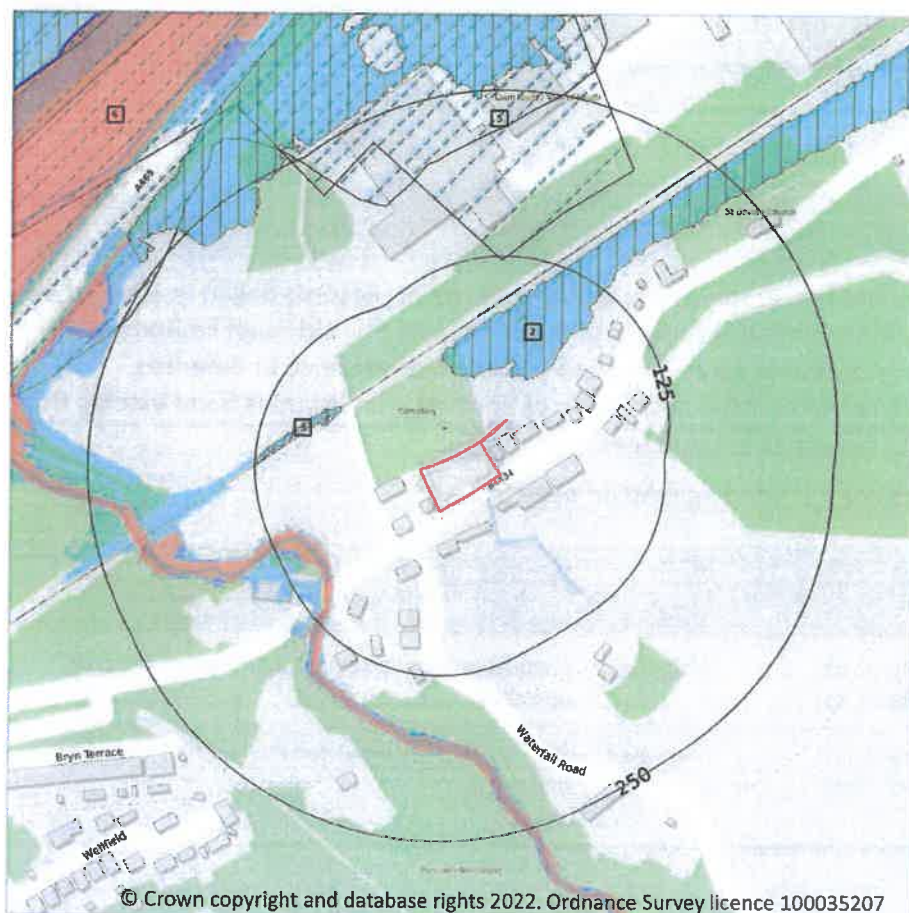
Features are displayed on the Hydrology map on **page 47**

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

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



7 River and coastal flooding



— Site Outline
Search buffers in metres (m)

River and coastal flooding:

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

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7.1 Risk of flooding from rivers and the sea

Records within 50m

3

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

Features are displayed on the River and coastal flooding map on **page 51**



Distance	Flood risk category
On site	N/A
0 - 50m	Low

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

7.2 Historical Flood Events

Records within 250m

2

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

Features are displayed on the River and coastal flooding map on **page 51**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
5	122m N	Neath Valley Flooding	1938-01-01 1938-01-01	Main river	Channel capacity exceeded (no raised defences)	Fluvial
6	186m NW	Neath 1979	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

4

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

Features are displayed on the River and coastal flooding map on **page 51**



ID	Location	
A	21m NW	Area benefiting from flood defences
A	25m NW	Area benefiting from flood defences
2	34m N	Area benefiting from flood defences
3	74m NW	Area benefiting from flood defences

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

7.5 Flood Storage Areas

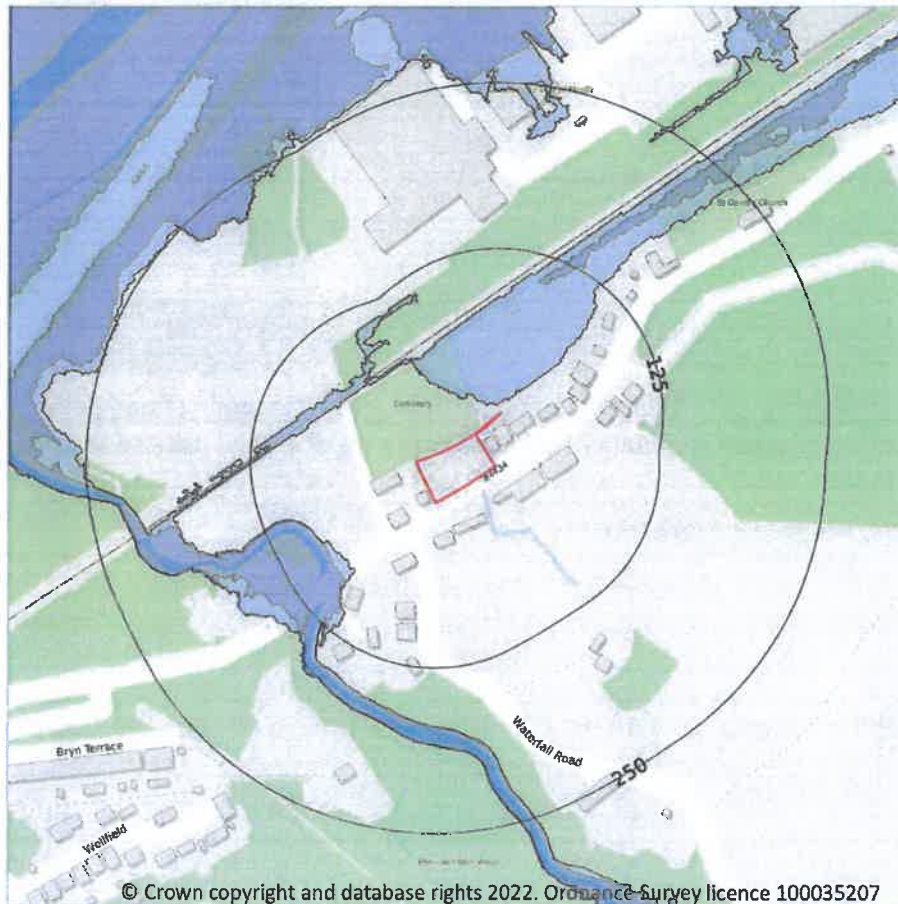
Records within 250m

0

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

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

River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on **page 51**

Location	Type
7m N	Zone 2 - (Fluvial /Tidal Models)

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



7.7 Flood Zone 3

Records within 50m

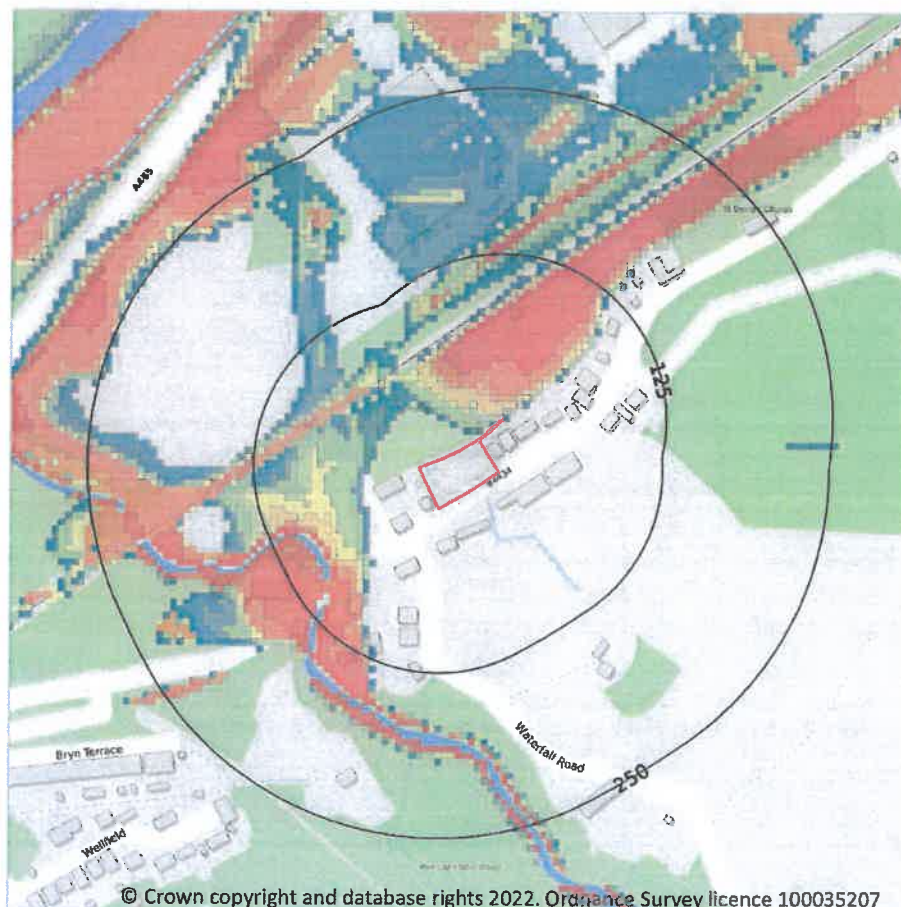
0

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 250 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

Features are displayed on the Surface water flooding map on [page 56](#)

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.

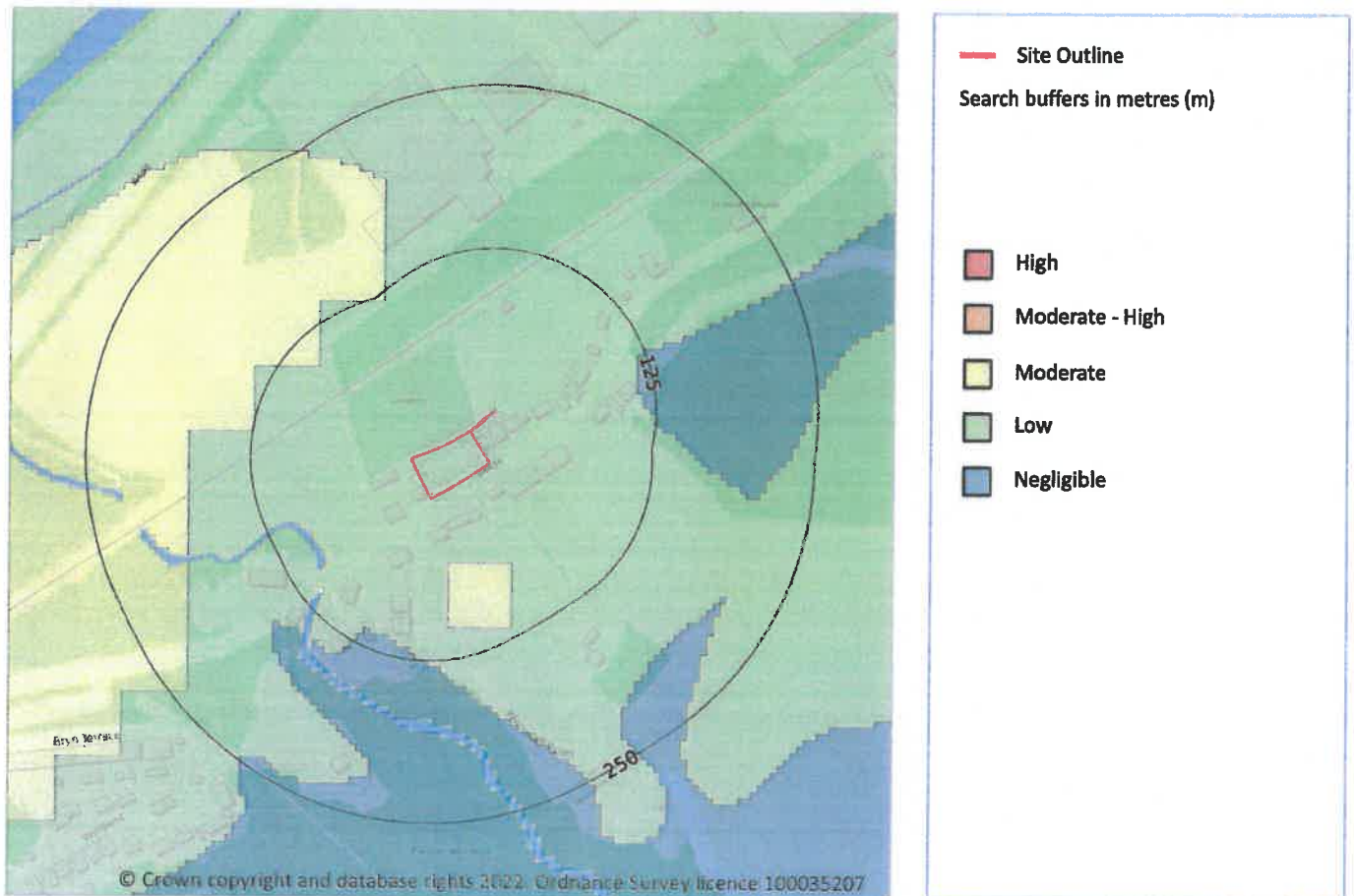


The table below shows the maximum flood depths for a range of return periods for the site.

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	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



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 58**

This data is sourced from Ambient Risk Analytics.