

Site Details:

TREVOR BASIN, WREXHAM,
LL14 3NP

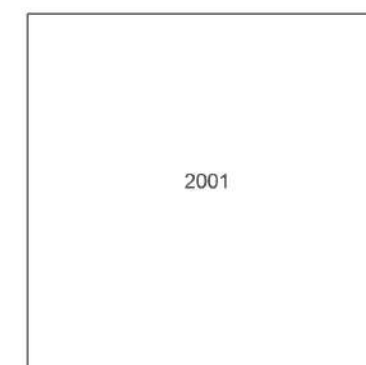
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Report Ref: GS-9105499
Grid Ref: 327487, 342587

Map Name: National Grid

Map date: 2001

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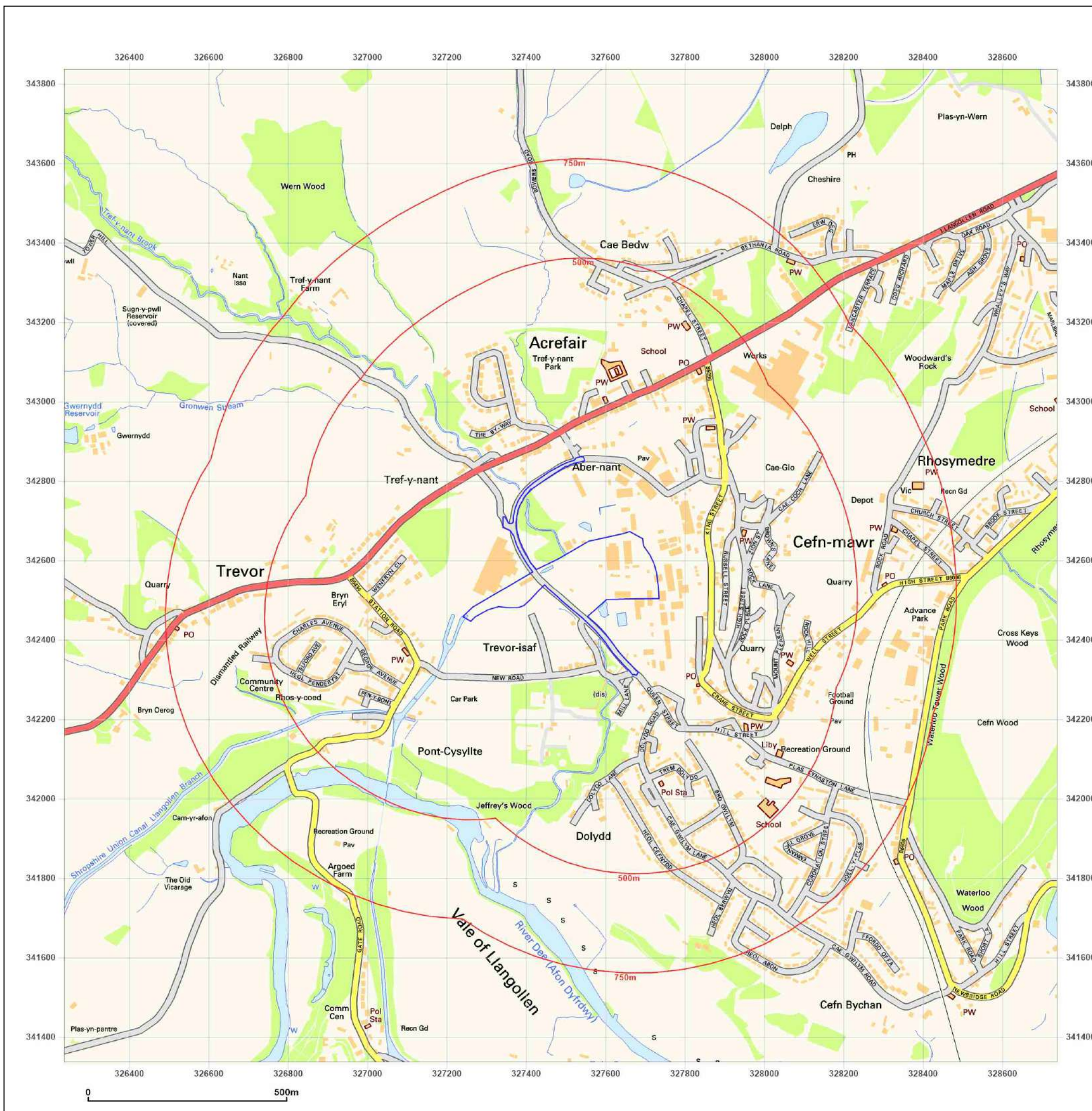


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Site Details:

TREVOR BASIN, WREXHAM,
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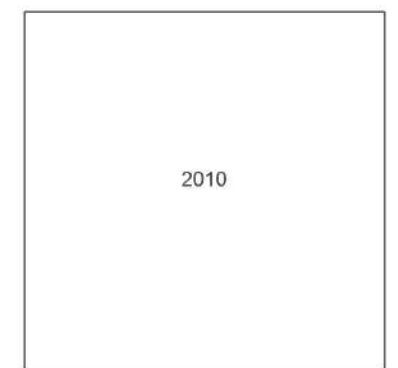
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Grid Ref: 327487, 342587

Map Name: National Grid

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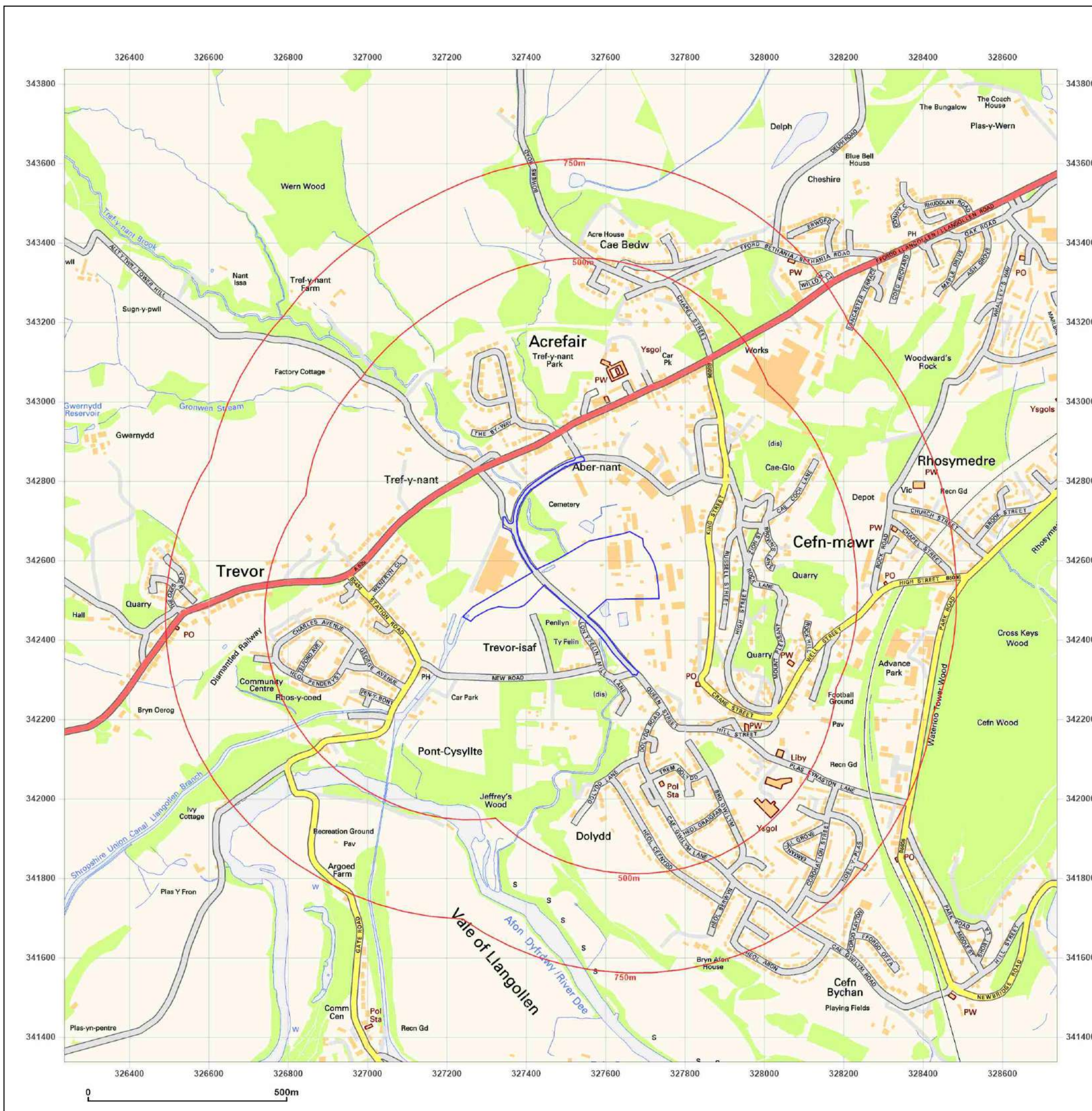


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Site Details:

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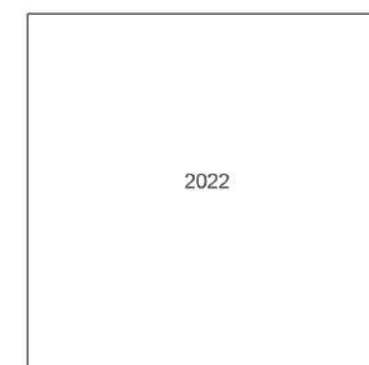
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Report Ref: GS-9105499
Grid Ref: 327487, 342587

Map Name: National Grid

Map date: 2022

Scale: 1:10,000

Printed at: 1:10,000

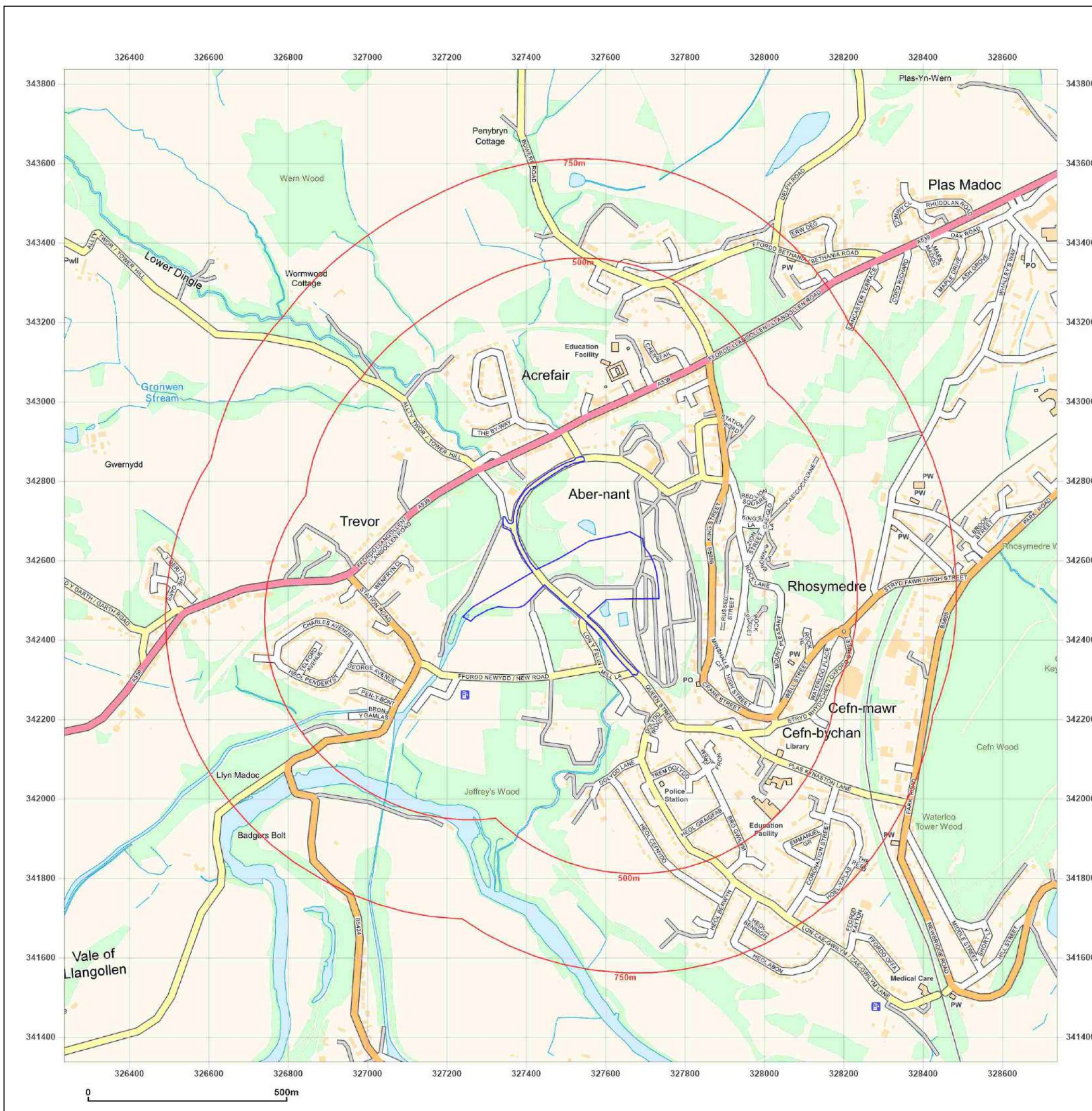


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Appendix D

Groundsure Insight Report

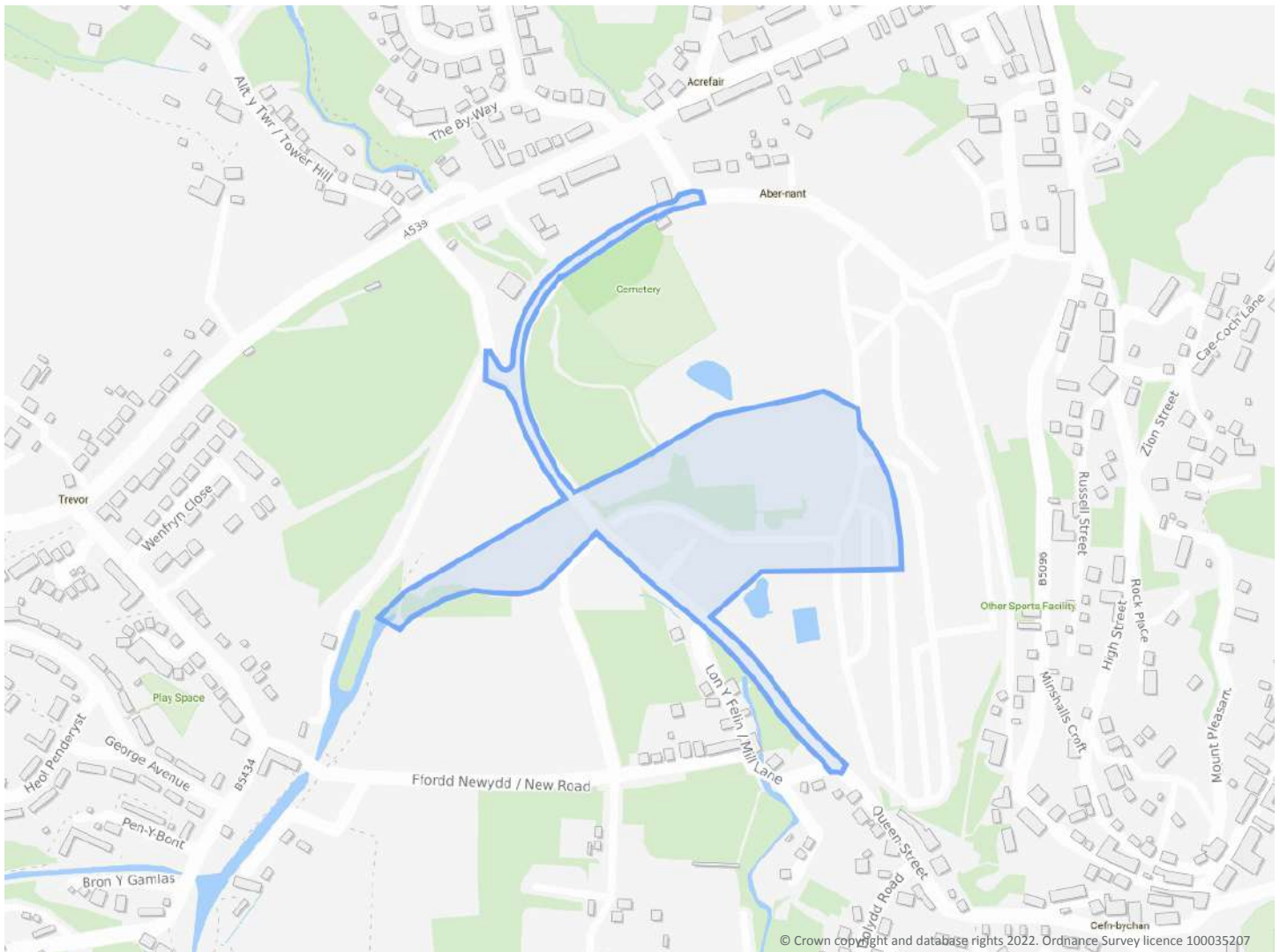
TREVOR BASIN, WREXHAM, LL14 3NP

Order Details

Date: 06/10/2022
Your ref: 14068405_Trevor_Basin
Our Ref: GS-9105501

Site Details

Location: 327551 342556
Area: 5.66 ha
Authority: [Wrexham - Wrexham County Borough Council](#)



Summary of findings

p. 2 **Aerial image**

p. 8

OS MasterMap site plan

p.13 groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	36	50	143	299	-
34	1.2	Historical tanks	10	32	58	5	-
38	1.3	Historical energy features	0	0	7	5	-
38	1.4	Historical petrol stations	0	0	0	0	-
39	1.5	Historical garages	0	0	3	1	-
39	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
40	2.1	Historical industrial land uses	46	60	186	398	-
65	2.2	Historical tanks	14	43	101	7	-
71	2.3	Historical energy features	0	0	14	5	-
72	2.4	Historical petrol stations	0	0	0	0	-
73	2.5	Historical garages	0	0	5	1	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
74	3.1	Active or recent landfill	0	0	0	0	-
74	3.2	Historical landfill (BGS records)	0	0	0	0	-
75	3.3	Historical landfill (LA/mapping records)	0	0	0	6	-
75	3.4	Historical landfill (EA/NRW records)	0	1	1	4	-
77	3.5	Historical waste sites	0	0	1	0	-
77	3.6	Licensed waste sites	0	0	0	0	-
77	3.7	Waste exemptions	0	0	0	2	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
78	4.1	Recent industrial land uses	0	0	10	-	-
79	4.2	Current or recent petrol stations	0	0	1	0	-
79	4.3	Electricity cables	0	0	0	0	-
80	4.4	Gas pipelines	0	0	0	0	-
80	4.5	Sites determined as Contaminated Land	0	0	0	0	-



80	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	1	0	0	0	-
80	4.7	Regulated explosive sites	0	0	0	0	-
81	4.8	<u>Hazardous substance storage/usage</u>	1	1	2	0	-
81	4.9	<u>Historical licensed industrial activities (IPC)</u>	0	0	23	0	-
84	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	61	0	-
94	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	0	-
95	4.12	Radioactive Substance Authorisations	0	0	0	0	-
95	4.13	<u>Licensed Discharges to controlled waters</u>	1	1	5	3	-
96	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
97	4.15	Pollutant release to public sewer	0	0	0	0	-
97	4.16	List 1 Dangerous Substances	0	0	0	0	-
97	4.17	<u>List 2 Dangerous Substances</u>	0	0	1	0	-
97	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	3	12	10	-
100	4.19	Pollution inventory substances	0	0	0	0	-
100	4.20	Pollution inventory waste transfers	0	0	0	0	-
101	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
102	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
104	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
106	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
107	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
107	5.5	Groundwater vulnerability- local information	None (within 0m)				
108	5.6	<u>Groundwater abstractions</u>	0	0	0	0	1
109	5.7	<u>Surface water abstractions</u>	0	0	0	1	8
111	5.8	<u>Potable abstractions</u>	0	0	0	0	5
112	5.9	Source Protection Zones	0	0	0	0	-
113	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
114	6.1	<u>Water Network (OS MasterMap)</u>	5	8	9	-	-



116	6.2	<u>Surface water features</u>	1	6	5	-	-
117	6.3	<u>WFD Surface water body catchments</u>	2	-	-	-	-
117	6.4	<u>WFD Surface water bodies</u>	1	1	0	-	-
118	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
119	7.1	<u>Risk of flooding from rivers and the sea</u>	High (within 50m)				
120	7.2	Historical Flood Events	0	0	0	-	-
120	7.3	Flood Defences	0	0	0	-	-
120	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
120	7.5	Flood Storage Areas	0	0	0	-	-
121	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
122	7.7	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
123	8.1	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
125	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
126	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	1	1
127	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
127	10.3	<u>Special Areas of Conservation (SAC)</u>	0	0	0	1	2
128	10.4	Special Protection Areas (SPA)	0	0	0	0	0
128	10.5	National Nature Reserves (NNR)	0	0	0	0	0
129	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
129	10.7	<u>Designated Ancient Woodland</u>	0	0	2	7	89
133	10.8	Biosphere Reserves	0	0	0	0	0
133	10.9	Forest Parks	0	0	0	0	0
133	10.10	Marine Conservation Zones	0	0	0	0	0
133	10.11	Green Belt	0	0	0	0	0
133	10.12	Proposed Ramsar sites	0	0	0	0	0



134	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
134	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
134	10.15	Nitrate Sensitive Areas	0	0	0	0	0
134	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
135	10.17	<u>SSSI Impact Risk Zones</u>	2	-	-	-	-
136	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
137	11.1	<u>World Heritage Sites</u>	4	0	0	-	-
138	11.2	<u>Area of Outstanding Natural Beauty</u>	1	0	0	-	-
138	11.3	National Parks	0	0	0	-	-
138	11.4	<u>Listed Buildings</u>	0	0	4	-	-
139	11.5	<u>Conservation Areas</u>	1	0	1	-	-
139	11.6	<u>Scheduled Ancient Monuments</u>	1	0	0	-	-
140	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
141	12.1	<u>Agricultural Land Classification</u>	Grade 3b (within 250m)				
142	12.2	Open Access Land	0	0	0	-	-
142	12.3	Tree Felling Licences	0	0	0	-	-
142	12.4	Environmental Stewardship Schemes	0	0	0	-	-
142	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
143	13.1	Priority Habitat Inventory	0	0	0	-	-
143	13.2	Habitat Networks	0	0	0	-	-
143	13.3	Open Mosaic Habitat	0	0	0	-	-
143	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
144	14.1	<u>10k Availability</u>	Identified (within 500m)				
145	14.2	Artificial and made ground (10k)	0	0	0	0	-
146	14.3	Superficial geology (10k)	0	0	0	0	-

146	14.4	Landslip (10k)	0	0	0	0	-
147	14.5	Bedrock geology (10k)	0	0	0	0	-
147	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
<u>148</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
149	15.2	Artificial and made ground (50k)	0	0	0	0	-
149	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<u>150</u>	<u>15.4</u>	<u>Superficial geology (50k)</u>	1	1	1	2	-
<u>151</u>	<u>15.5</u>	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
151	15.6	Landslip (50k)	0	0	0	0	-
151	15.7	Landslip permeability (50k)	None (within 50m)				
<u>152</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	1	1	3	5	-
<u>153</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>154</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	3	2	7	6	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>155</u>	<u>16.1</u>	<u>BGS Boreholes</u>	0	0	20	-	-
Page	Section	Natural ground subsidence					
<u>157</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Very low (within 50m)				
<u>158</u>	<u>17.2</u>	<u>Running sands</u>	Low (within 50m)				
<u>160</u>	<u>17.3</u>	<u>Compressible deposits</u>	Moderate (within 50m)				
<u>162</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>163</u>	<u>17.5</u>	<u>Landslides</u>	Moderate (within 50m)				
<u>165</u>	<u>17.6</u>	<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
167	18.1	Natural cavities	0	0	0	0	-
<u>168</u>	<u>18.2</u>	<u>BritPits</u>	1	1	9	8	-
<u>172</u>	<u>18.3</u>	<u>Surface ground workings</u>	30	25	84	-	-
<u>177</u>	<u>18.4</u>	<u>Underground workings</u>	1	4	20	31	79
<u>182</u>	<u>18.5</u>	<u>Historical Mineral Planning Areas</u>	0	0	0	3	-



<u>182</u>	<u>18.6</u>	<u>Non-coal mining</u>	1	0	0	2	5
183	18.7	Mining cavities	0	0	0	0	0
184	18.8	JPB mining areas	None (within 0m)				
<u>184</u>	<u>18.9</u>	<u>Coal mining</u>	Identified (within 0m)				
184	18.10	Brine areas	None (within 0m)				
184	18.11	Gypsum areas	None (within 0m)				
184	18.12	Tin mining	None (within 0m)				
185	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>186</u>	<u>19.1</u>	<u>Radon</u>	Between 10% and 30% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>188</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	4	2	-	-	-
188	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
189	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
190	21.1	Underground railways (London)	0	0	0	-	-
190	21.2	Underground railways (Non-London)	0	0	0	-	-
191	21.3	Railway tunnels	0	0	0	-	-
<u>191</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	9	8	13	-	-
192	21.5	Royal Mail tunnels	0	0	0	-	-
<u>192</u>	<u>21.6</u>	<u>Historical railways</u>	0	3	0	-	-
193	21.7	Railways	0	0	0	-	-
193	21.8	Crossrail 1	0	0	0	0	-
193	21.9	Crossrail 2	0	0	0	0	-
193	21.10	HS2	0	0	0	0	-



Recent aerial photograph

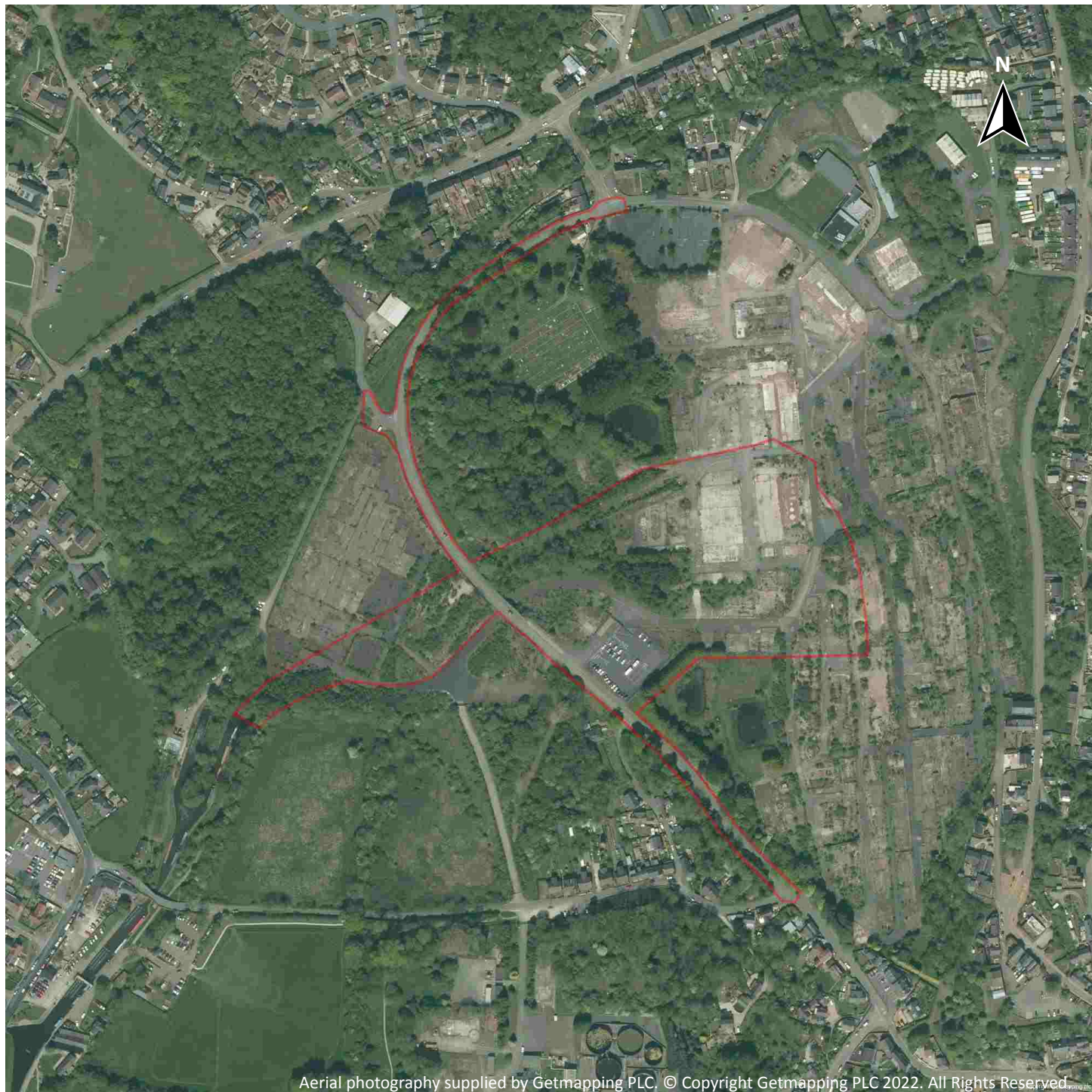


Capture Date: 10/04/2020

Site Area: 5.66ha



Recent site history - 2017 aerial photograph



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Capture Date: 07/05/2017

Site Area: 5.66ha



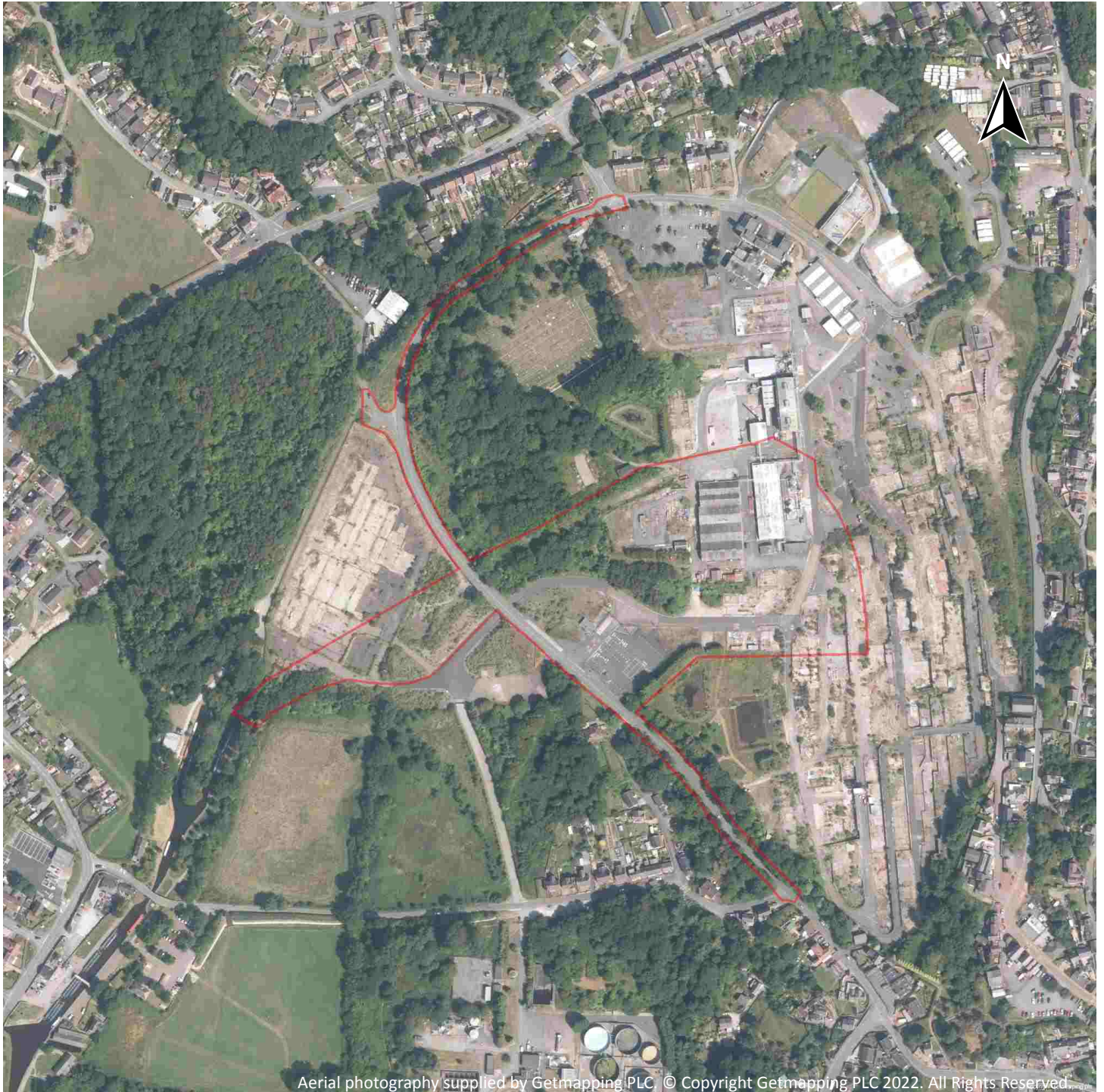
Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 6 October 2022

Recent site history - 2014 aerial photograph

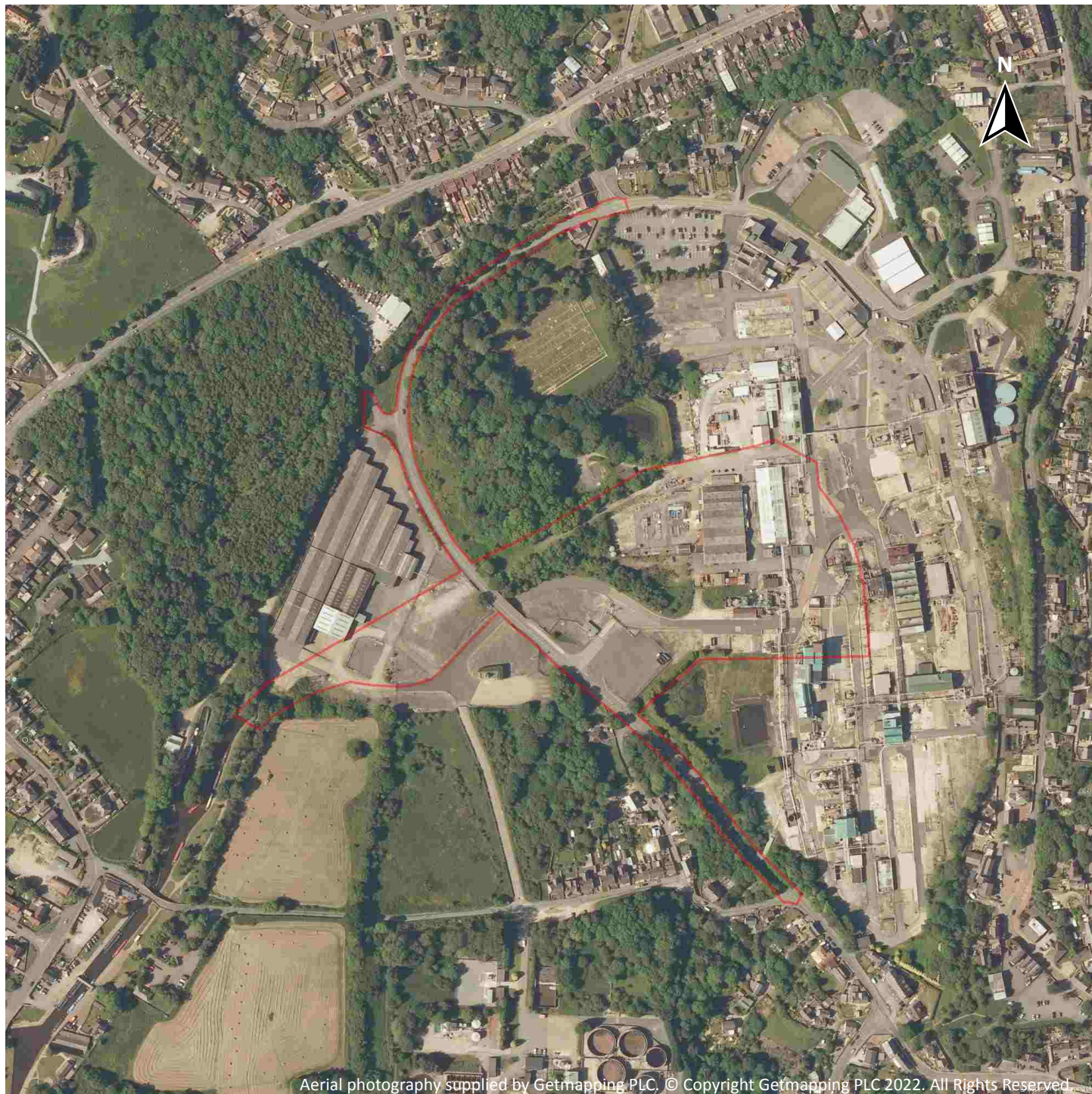


Capture Date: 25/07/2014

Site Area: 5.66ha



Recent site history - 2009 aerial photograph



Capture Date: 01/06/2009

Site Area: 5.66ha



Recent site history - 2001 aerial photograph



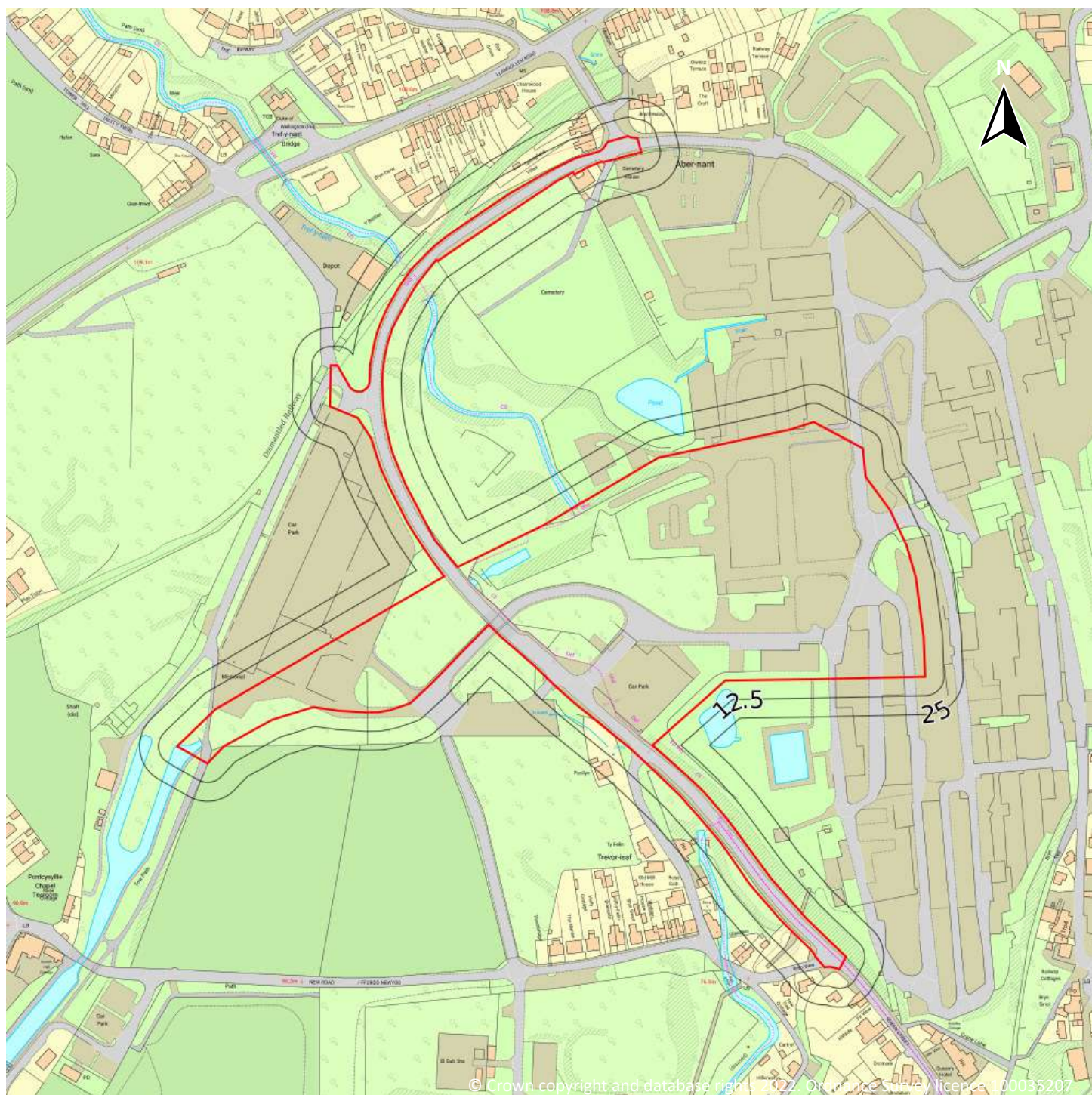
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Capture Date: 28/07/2001

Site Area: 5.66ha



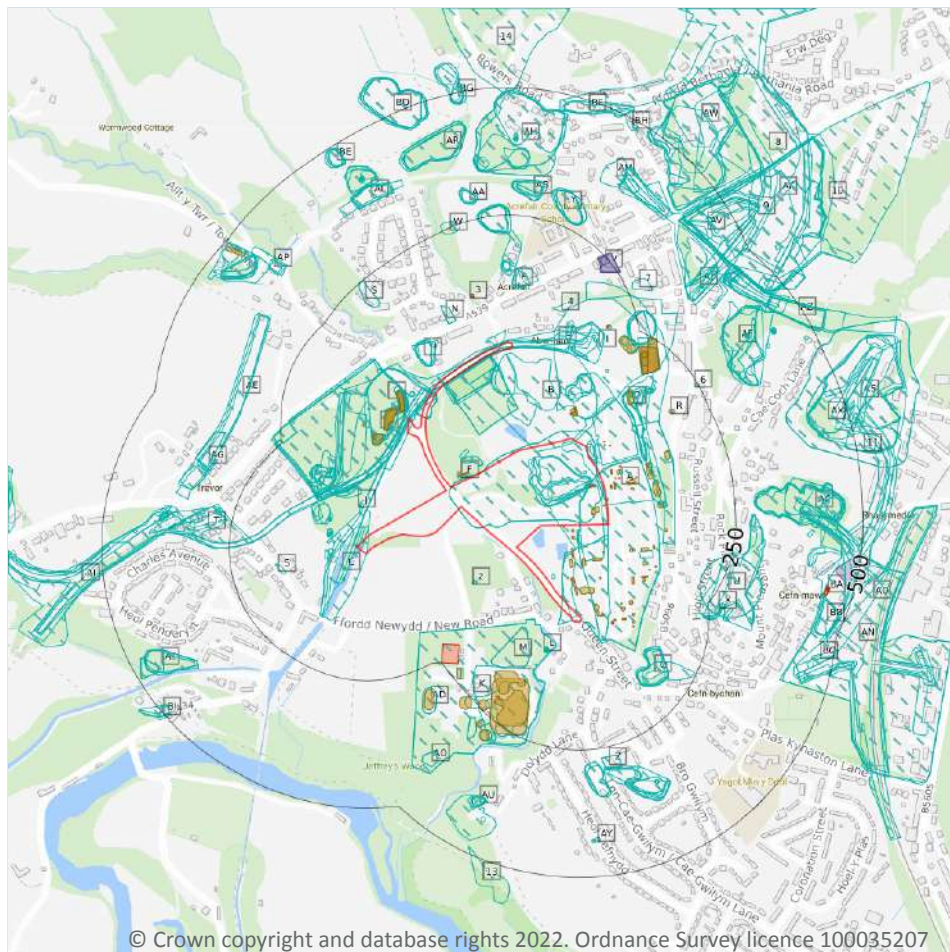
OS MasterMap site plan



Site Area: 5.66ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

528

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 Commercial/Industrial	1910	796375



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Ground Workings	1910	799227
A	On site	Unspecified Ground Workings	1910	799230
A	On site	Unspecified Old Shaft	1898	805635
A	On site	Pottery	1873	818617
A	On site	Disused Pottery	1898	827369
A	On site	Chemical Works	1873	846266
A	On site	Unspecified Heap	1873	851006
A	On site	Unspecified Heap	1960	868132
A	On site	Unspecified Heap	1938	888758
A	On site	Unspecified Ground Workings	1949 - 1960	906002
A	On site	Unspecified Works	1974	919176
A	On site	Unspecified Works	1960	921575
A	On site	Chemical Works	1949	926431
A	On site	Unspecified Works	1985 - 1994	950447
A	On site	Chemical Works	1898 - 1910	965929
A	On site	Unspecified Heap	1949	972755
A	On site	Unspecified Heap	1898	982023
A	On site	Unspecified Heap	1938	983285
B	On site	Iron Foundry	1873	835193
C	On site	Railway Sidings	1873 - 1898	846063
C	On site	Railway Building	1910	873931
C	On site	Railway Building	1873 - 1898	948486
D	On site	Railway Sidings	1873	863582
D	On site	Railway Sidings	1898	899594
D	On site	Unspecified Heap	1949	933462
D	On site	Railway Sidings	1949	938392
D	On site	Unspecified Heap	1938	950882
D	On site	Railway Sidings	1960	951163



ID	Location	Land use	Dates present	Group ID
D	On site	Unspecified Heap	1910	981379
E	On site	Railway Sidings	1938	864992
E	On site	Railway Sidings	1910	888470
E	On site	Cemetery	1974	920807
E	On site	Cemetery	1985 - 1994	940779
E	On site	Cemetery	1910 - 1938	952021
E	On site	Railway Sidings	1949	956460
1	0m NW	Railway Sidings	1938	908248
E	0m SW	Cemetery	1898	957774
E	0m SW	Cemetery	1949	973591
D	1m NW	Fire Clay Works	1873 - 1898	957215
D	1m NW	Fire Clay Works	1949	984210
E	2m S	Cemetery	1960	897714
E	3m SE	Burial Ground	1873	811523
F	3m NW	Unspecified Tanks	1960	814758
E	3m NW	Unspecified Heap	1873	802447
G	5m NW	Railway Sidings	1910	939571
D	7m W	Fire Clay Works	1910	980082
A	8m NE	Unspecified Heap	1873	915638
D	9m NW	Unspecified Works	1960	829743
A	9m NE	Unspecified Old Shaft	1898	805638
E	9m S	Unspecified Heap	1873	906564
B	9m S	Unspecified Heap	1873	802444
D	11m W	Fire Clay Works	1938	880892
F	11m NW	Unspecified Ground Workings	1974	846776
F	11m NW	Unspecified Ground Workings	1985 - 1994	940140
D	12m NW	Unspecified Tanks	1873	958702
A	13m NE	Unspecified Commercial/Industrial	1910	929883



ID	Location	Land use	Dates present	Group ID
D	16m NW	Unspecified Tanks	1960	941384
D	17m N	Unspecified Tank	1898	823582
D	17m NW	Unspecified Tanks	1949	872615
D	20m NW	Unspecified Tanks	1910	989973
D	21m NW	Unspecified Tanks	1910 - 1938	973067
D	23m NW	Unspecified Tank	1898	823585
E	24m SE	Unspecified Heap	1910 - 1938	905882
D	27m NW	Unspecified Disused Shaft	1974	853249
D	27m NW	Unspecified Disused Shaft	1985 - 1994	957560
E	31m S	Unspecified Heap	1949 - 1960	975229
D	32m W	Unspecified Tank	1898	823578
H	33m NW	Unspecified Heap	1960	867813
D	35m W	Unspecified Tank	1898	823583
H	35m NW	Unspecified Heap	1873	912012
H	36m NW	Unspecified Heap	1949	854998
A	37m NE	Unspecified Tank	1898	823579
H	37m NW	Unspecified Heap	1938	926315
C	38m NW	Railway Building	1910	819033
H	38m NW	Unspecified Heap	1910	907208
D	41m N	Unspecified Tank	1898	823584
F	42m NW	Old Lime Kiln	1910 - 1938	979297
C	43m W	Smithy	1873 - 1898	971324
B	44m N	Unspecified Heap	1873	802445
D	44m W	Unspecified Tanks	1960	977496
I	46m NE	Unspecified Commercial/Industrial	1960	873929
I	46m N	Unspecified Foundry	1898 - 1910	991428
D	47m W	Unspecified Tanks	1898	929829
D	48m W	Unspecified Tank	1938	823577



ID	Location	Land use	Dates present	Group ID
D	50m W	Unspecified Tanks	1910	859995
J	51m NW	Railway Building	1910	819015
C	53m NW	Unspecified Old Shafts	1960	909818
K	53m SW	Unspecified Works	1960 - 1974	917555
K	53m SW	Unspecified Works	1985 - 1994	934591
C	54m NW	Unspecified Old Shafts	1898	953967
C	56m NW	Old Coal Shafts	1949	886103
C	56m W	Railway Building	1910	819032
C	58m NW	Unspecified Disused Shaft	1974	854167
C	58m NW	Unspecified Disused Shaft	1985 - 1994	925852
C	58m NW	Old Coal Shafts	1938	961421
C	59m NW	Old Coal Shafts	1910	913564
C	64m SW	Railway Building	1873	819031
L	72m SW	Old Coal Shaft	1938	988268
C	73m NW	Unspecified Old Shafts	1960	793594
L	73m SW	Unspecified Old Shaft	1960	805637
L	73m SW	Unspecified Disused Shaft	1974	848260
L	73m SW	Unspecified Disused Shaft	1985 - 1994	978346
I	73m N	Unspecified Heap	1873	892731
C	74m NW	Old Coal Shafts	1949	890135
L	74m SW	Old Coal Shaft	1910	951697
C	75m NW	Refuse Heap	1960	828085
L	75m SW	Old Coal Shaft	1949	847690
D	76m W	Unspecified Tank	1873 - 1898	851612
I	76m N	Unspecified Heap	1938	872188
C	77m NW	Unspecified Old Shafts	1898	793593
C	77m NW	Old Coal Shafts	1910	936452
D	78m W	Unspecified Shaft	1873	813420



ID	Location	Land use	Dates present	Group ID
J	78m NW	Unspecified Ground Workings	1960	955158
M	78m SW	Unspecified Heap	1985 - 1994	891956
M	78m SW	Unspecified Heap	1974	955997
C	79m NW	Unspecified Heap	1938	929899
A	82m SE	Unspecified Tanks	1949 - 1960	988031
N	82m NW	Police Station	1985 - 1994	852295
N	82m NW	Police Station	1974	919590
I	84m N	Unspecified Heap	1910	903196
J	88m NW	Unspecified Ground Workings	1949	980489
G	88m NW	Unspecified Ground Workings	1938	852072
C	89m NW	Railway Sidings	1898	794424
O	90m NE	Unspecified Ground Workings	1949	846550
2	90m SW	Unspecified Old Shaft	1898	805616
O	90m NE	Unspecified Ground Workings	1910	890597
O	91m NE	Unspecified Ground Workings	1938	991108
O	91m NE	Unspecified Ground Workings	1960	911497
I	92m E	Railway Building	1898	819029
A	92m E	Unspecified Tank	1974	847896
A	92m E	Unspecified Tank	1985 - 1994	905806
A	93m E	Unspecified Pit	1873	838888
A	94m E	Unspecified Tank	1985 - 1994	902397
A	94m E	Unspecified Tank	1974	990993
I	95m N	Unspecified Heap	1873	956062
A	97m E	Unspecified Tank	1974	866127
A	97m E	Unspecified Tank	1985 - 1994	986697
A	99m E	Unspecified Tanks	1949 - 1960	894873
A	100m E	Unspecified Tank	1985 - 1994	855006
A	100m E	Unspecified Tank	1974	911349



ID	Location	Land use	Dates present	Group ID
A	100m E	Unspecified Tank	1985 - 1994	869570
A	100m E	Unspecified Tank	1974	951265
A	104m E	Unspecified Tank	1949	974622
P	107m N	Unspecified Heap	1949 - 1960	922395
4	107m NE	Unspecified Heap	1873	802439
P	109m N	Unspecified Heaps	1910	923503
O	109m E	Railway Sidings	1949 - 1960	904014
P	110m N	Unspecified Heap	1873	887871
I	112m E	Unspecified Ground Workings	1910	984563
I	112m E	Unspecified Ground Workings	1938	961567
I	113m E	Unspecified Pit	1949 - 1960	894601
I	115m E	Unspecified Ground Workings	1960	855538
O	116m NE	Unspecified Quarry and Ground Workings	1873	821845
G	117m NW	Unspecified Pit	1873	838916
G	120m NW	Unspecified Ground Workings	1960	915099
O	122m NE	Unspecified Tank	1974	846460
O	122m NE	Unspecified Tank	1985 - 1994	945366
K	122m SW	Sewage Works	1949	811735
G	124m NW	Unspecified Ground Workings	1910	977272
G	125m NW	Unspecified Ground Workings	1949	924305
O	130m NE	Unspecified Tank	1974	902892
O	130m NE	Unspecified Tank	1985 - 1994	963083
P	131m N	Unspecified Tank	1960	823587
A	133m E	Unspecified Tanks	1949 - 1960	915136
G	135m NW	Unspecified Ground Workings	1974	859431
G	135m NW	Unspecified Ground Workings	1985 - 1994	930526
P	137m N	Unspecified Pit	1949	838919
Q	137m SE	Unspecified Heap	1938	984766



ID	Location	Land use	Dates present	Group ID
Q	138m SE	Unspecified Ground Workings	1910	799228
P	140m N	Unspecified Heaps	1873	874145
Q	141m SE	Unspecified Heap	1949	899732
P	142m N	Unspecified Heap	1960	802440
Q	143m SE	Unspecified Heap	1985 - 1994	865796
Q	143m SE	Unspecified Heap	1960 - 1974	874645
I	147m NE	Unspecified Tank	1960	823581
5	147m W	Smithy	1910	843071
K	150m SW	Unspecified Tanks	1960 - 1974	855627
K	150m SW	Unspecified Tanks	1985 - 1994	933172
Q	156m SE	Unspecified Heap	1873	954604
I	157m E	Unspecified Shaft	1898	813421
I	160m E	Unspecified Tank	1960	823588
I	178m NE	Unspecified Commercial/Industrial	1949	854160
R	179m NE	Unspecified Tank	1873	823580
I	180m NE	Gas Works	1873	802184
P	188m N	Unspecified Old Shafts	1898	793595
I	190m E	Unspecified Tank	1960	823589
S	191m NW	Unspecified Heap	1974	885094
S	191m NW	Unspecified Heap	1985 - 1994	978395
I	194m NE	Unspecified Tanks	1960	814784
I	195m NE	Unspecified Tank	1949	964775
I	197m NE	Gasometer	1910	809643
I	197m NE	Unspecified Tank	1898	902691
T	203m W	Railway Sidings	1873 - 1898	869512
I	204m NE	Unspecified Tank	1974	939657
I	204m NE	Unspecified Tank	1985 - 1994	986067
I	208m NE	Unspecified Tank	1949	897428



ID	Location	Land use	Dates present	Group ID
I	209m NE	Unspecified Tanks	1960	814783
I	210m NE	Gasometer	1910	915028
U	210m SE	Unspecified Disused Quarry	1985 - 1994	868125
U	210m SE	Unspecified Disused Quarry	1974	901030
I	210m NE	Unspecified Tank	1949	967704
I	211m NE	Unspecified Tank	1949	888619
I	211m NE	Unspecified Tank	1898	924576
I	211m NE	Gasometer	1873	926135
I	212m E	Unspecified Tank	1985 - 1994	851703
I	212m E	Unspecified Tank	1974	873845
P	213m N	Unspecified Heaps	1949	886101
P	213m N	Unspecified Heaps	1898	946180
P	213m N	Unspecified Heap	1960 - 1974	891842
P	213m N	Unspecified Heap	1985 - 1994	950359
P	215m N	Unspecified Heap	1910	933273
P	216m N	Unspecified Heap	1938	969391
I	222m NE	Unspecified Heap	1910	853994
K	223m SW	Unspecified Tank	1949	823626
K	223m SW	Unspecified Tanks	1974	964988
K	223m SW	Unspecified Tanks	1985 - 1994	977538
I	225m NE	Unspecified Heap	1960 - 1974	856266
I	225m NE	Unspecified Heap	1985 - 1994	945310
I	225m NE	Unspecified Heap	1873	954492
K	226m SW	Unspecified Tank	1949	823622
I	227m NE	Unspecified Heap	1938	938482
U	231m E	Unspecified Old Quarry	1938	854893
U	235m E	Unspecified Old Quarry	1898 - 1910	967738
U	235m E	Unspecified Old Quarry	1949 - 1960	939947



ID	Location	Land use	Dates present	Group ID
W	238m N	Unspecified Heap	1873	802443
X	241m E	Unspecified Old Quarry	1960	944653
6	245m NE	Unspecified Old Shaft	1898	805636
K	246m SW	Unspecified Tank	1949	823623
W	252m N	Unspecified Old Shafts	1898	793592
T	260m W	Unspecified Commercial/Industrial	1910	796362
K	260m SW	Unspecified Tanks	1960	814757
7	260m NE	Unspecified Heap	1873	802438
Y	262m NE	Unspecified Heap	1910	893114
Y	262m NE	Unspecified Heap	1949	917249
Y	262m NE	Unspecified Heap	1873 - 1898	921323
Y	263m NE	Unspecified Heap	1960	885996
K	264m SW	Unspecified Tank	1974	879191
K	264m SW	Unspecified Tank	1985 - 1994	961320
Y	265m NE	Unspecified Heap	1938	846097
Z	269m S	Police Station	1985 - 1994	914253
Z	269m S	Police Station	1974	939544
K	271m SW	Unspecified Tank	1985 - 1994	860261
K	271m SW	Unspecified Tank	1974	957401
K	271m SW	Unspecified Heap	1974	862066
K	271m SW	Unspecified Heap	1985 - 1994	968122
T	272m W	Railway Building	1898	951987
Z	273m S	Unspecified Heap	1938	952185
T	274m W	Railway Building	1938	911576
Z	276m S	Unspecified Heap	1910	908123
X	279m E	Unspecified Ground Workings	1910	799179
AA	280m N	Unspecified Heap	1949	866398
AA	280m N	Unspecified Heap	1873 - 1910	983478



ID	Location	Land use	Dates present	Group ID
AB	282m N	Unspecified Heap	1949	864855
AA	282m N	Unspecified Heap	1960	989655
Z	283m S	Unspecified Heap	1949	855246
Z	283m S	Unspecified Heap	1873 - 1898	958641
AB	283m N	Unspecified Heap	1960	884556
AB	283m N	Unspecified Heap	1910 - 1938	930111
AA	284m N	Unspecified Heap	1938	913967
I	287m NE	Unspecified Tank	1960	823601
AC	287m E	Unspecified Quarry	1898	896755
Z	288m S	Unspecified Ground Workings	1910	891138
AC	288m E	Unspecified Quarry	1910	853930
AC	288m E	Unspecified Quarry	1960	989953
AB	290m N	Unspecified Heap	1985 - 1994	863044
AB	290m N	Unspecified Heap	1974	887020
AC	290m E	Unspecified Quarry	1949	900944
AD	291m SE	Unspecified Tanks	1960 - 1974	898815
AD	291m SE	Unspecified Tanks	1985 - 1994	936448
Z	292m S	Unspecified Heap	1949	933991
AB	292m N	Unspecified Heap	1873	883164
AC	292m E	Unspecified Quarry	1938	847137
Z	294m S	Unspecified Heap	1873 - 1898	989994
T	305m W	Railway Buildings	1938	833420
T	306m W	Railway Building	1898	819034
Z	310m S	Unspecified Pit	1960	838894
AE	316m W	Cuttings	1873	938550
AE	317m W	Cuttings	1960	877815
AE	318m W	Cuttings	1910 - 1949	855051
AF	318m NE	Unspecified Heaps	1949	859739



ID	Location	Land use	Dates present	Group ID
AF	318m NE	Unspecified Heaps	1960	983126
AF	318m NE	Unspecified Ground Workings	1910	911658
Z	321m S	Unspecified Heap	1960	964957
AF	321m NE	Unspecified Heaps	1938	889520
AF	322m NE	Unspecified Ground Workings	1974	864631
AF	322m NE	Unspecified Ground Workings	1985 - 1994	963476
AG	323m NW	Cuttings	1898	909105
AF	324m NE	Unspecified Ground Workings	1873	908574
AG	325m NW	Cuttings	1873 - 1898	906487
AG	328m NW	Cuttings	1949 - 1960	856345
Z	328m S	Unspecified Ground Workings	1949	926091
AH	329m N	Unspecified Ground Workings	1898 - 1910	881136
AH	329m N	Unspecified Heap	1873	982742
Z	330m S	Unspecified Heap	1985 - 1994	922754
Z	330m S	Unspecified Heap	1974	988328
AG	333m NW	Cuttings	1974	861276
AG	333m NW	Cuttings	1985 - 1994	917477
AH	337m N	Unspecified Ground Workings	1949 - 1974	905269
AH	338m N	Unspecified Heap	1910	876730
AH	338m N	Unspecified Ground Workings	1994	851992
AH	338m N	Unspecified Ground Workings	1985	977708
AI	340m W	Railway Sidings	1960	860639
AH	340m N	Unspecified Ground Workings	1938	991639
AH	340m N	Unspecified Pit	1949	937195
AI	341m W	Railway Sidings	1949	935188
Z	343m SE	Unspecified Disused Shaft	1974	914920
Z	343m SE	Unspecified Disused Shaft	1985 - 1994	991122
AH	345m N	Unspecified Pit	1938	971893



ID	Location	Land use	Dates present	Group ID
AC	346m E	Unspecified Disused Quarry	1974	848406
AC	346m E	Unspecified Disused Quarry	1985 - 1994	918803
8	351m NE	Railway Sidings	1873	908990
AJ	352m NE	Railway Sidings	1949	953530
AJ	353m NE	Railway Sidings	1960	880816
9	355m NE	Railway Sidings	1898	857498
T	356m W	Railway Building	1898	850157
AJ	357m NE	Railway Buildings	1960	833426
AJ	358m E	Unspecified Heap	1938	871779
AK	358m E	Railway Sidings	1938	936891
T	359m W	Railway Building	1938	894495
AL	361m NW	Cuttings	1985 - 1994	849658
AL	361m NW	Cuttings	1960 - 1974	900301
AM	361m NE	Unspecified Heap	1873	872910
AL	363m NW	Cuttings	1938 - 1949	887847
AL	363m NW	Cuttings	1910	924032
AL	364m NW	Cuttings	1873	959048
AN	364m E	Railway Sidings	1949 - 1960	889850
AJ	367m NE	Unspecified Ground Workings	1910	799178
AJ	369m E	Unspecified Heap	1873	906993
T	369m W	Railway Station	1873	852823
T	370m W	Railway Station	1898	947483
AO	371m SW	Unspecified Pit	1985 - 1994	862129
AO	371m SW	Unspecified Pit	1974	915608
T	371m W	Railway Station	1910	963564
AP	371m NW	Cuttings	1873	947131
T	373m W	Railway Station	1960	867622
T	374m W	Railway Station	1949	941753



ID	Location	Land use	Dates present	Group ID
AM	375m NE	Unspecified Heap	1974	918864
AM	375m NE	Unspecified Heap	1985 - 1994	991697
AM	376m NE	Railway Sidings	1949	976278
T	376m W	Railway Station	1938	917349
AJ	376m NE	Railway Building	1873 - 1898	921202
AQ	376m E	Railway Sidings	1898	889287
AQ	377m E	Railway Sidings	1873	898154
AP	377m NW	Cuttings	1949 - 1960	970737
AR	377m N	Unspecified Heap	1949	848181
AR	377m N	Unspecified Heap	1873 - 1898	956190
AF	378m NE	Old Coal Shafts	1949	943058
AM	378m NE	Railway Sidings	1960	940227
AR	378m N	Unspecified Heap	1910	928909
AF	379m NE	Old Coal Shafts	1910	972153
AM	379m NE	Railway Sidings	1938	938057
AR	379m N	Unspecified Heap	1960 - 1974	902299
AR	379m N	Unspecified Heap	1985 - 1994	973041
AF	380m NE	Unspecified Old Shafts	1960	968260
AF	380m NE	Unspecified Disused Shafts	1985 - 1994	929031
AF	380m NE	Unspecified Disused Shafts	1974	946734
AS	380m E	Unspecified Disused Quarry	1985	930857
AS	380m E	Unspecified Disused Quarry	1974	960860
AP	381m NW	Cuttings	1910	962847
AR	381m N	Unspecified Heap	1938	881586
AF	381m NE	Unspecified Old Shafts	1938	852705
AN	381m E	Colliery	1938	987140
AQ	381m E	Railway Sidings	1910	873690
AQ	381m E	Railway Sidings	1938	946672



ID	Location	Land use	Dates present	Group ID
AH	381m N	Unspecified Heap	1938	919855
AT	383m SW	Unspecified Heap	1949	921109
AT	383m SW	Unspecified Heap	1873 - 1898	970300
AT	385m SW	Unspecified Ground Workings	1960	898942
AM	385m NE	Railway Sidings	1910	904427
AK	386m NE	Railway Sidings	1910	920155
AU	387m SW	Unspecified Heap	1985 - 1994	859571
AU	387m SW	Unspecified Heap	1960 - 1974	920193
AU	387m SW	Unspecified Heap	1938	932549
AU	389m SW	Unspecified Ground Workings	1910	799231
AT	390m SW	Unspecified Ground Workings	1938	852131
AC	391m E	Smithy	1898	843069
AU	391m SW	Unspecified Heap	1949	861588
AL	392m NW	Unspecified Heap	1873 - 1898	950387
AL	394m NW	Unspecified Heap	1938	967576
T	394m W	Railway Building	1960	819038
AH	395m N	Unspecified Old Shaft	1960	952035
AU	395m SW	Sewage Works	1898	811727
AH	396m N	Old Coal Shaft	1910	862077
AC	397m E	Unspecified Ground Workings	1938	968500
AH	398m N	Unspecified Old Shaft	1898	883456
AH	398m N	Old Coal Shaft	1949	931500
AH	399m N	Unspecified Old Shaft	1938	926886
AL	400m NW	Unspecified Heap	1974	907647
AL	400m NW	Unspecified Heap	1985 - 1994	948669
AP	400m NW	Unspecified Commercial/Industrial	1873	796376
AC	401m E	Unspecified Ground Workings	1960	943848
AH	402m N	Unspecified Disused Shaft	1974	863467



ID	Location	Land use	Dates present	Group ID
AH	402m N	Unspecified Disused Shaft	1985	909059
AF	403m NE	Unspecified Old Shaft	1898	805633
AL	405m NW	Unspecified Heap	1960	984898
AK	406m NE	Engineering Works	1949	849466
AK	406m NE	Engineering Works	1898	849905
AN	406m E	Colliery	1910	980208
AK	407m NE	Engineering Works	1910	946014
AL	407m NW	Unspecified Old Shaft	1960	936657
AK	407m NE	Unspecified Works	1960	958726
AL	410m NW	Unspecified Old Shaft	1898	851801
AL	410m NW	Old Coal Shaft	1949	899013
AL	410m NW	Old Coal Shaft	1910	982764
AL	411m NW	Unspecified Disused Shaft	1985 - 1994	845304
AL	411m NW	Unspecified Disused Shaft	1974	951935
AL	411m NW	Old Coal Shaft	1938	941644
AC	413m E	Railway Buildings	1873	833428
AV	414m NE	Unspecified Ground Workings	1949	799229
AP	415m NW	Unspecified Heap	1949	882318
AW	415m NE	Unspecified Ground Workings	1910	924481
AW	416m NE	Unspecified Ground Workings	1938	917130
AP	416m NW	Unspecified Ground Workings	1910	859625
AW	416m NE	Unspecified Ground Workings	1960 - 1974	952906
AC	417m E	Unspecified Heap	1949	802462
AP	417m NW	Unspecified Heap	1938	964747
AC	418m E	Unspecified Heap	1985 - 1994	874830
AK	418m NE	Unspecified Commercial/Industrial	1938	796378
10	418m NE	Iron Works	1873	822781
AS	418m E	Unspecified Quarry	1910	955318



ID	Location	Land use	Dates present	Group ID
AP	418m NW	Unspecified Ground Workings	1873 - 1898	943074
AJ	419m NE	Railway Sidings	1949	953531
AS	419m E	Unspecified Quarry	1938	883988
AW	419m NE	Unspecified Ground Workings	1985 - 1994	909334
AJ	419m NE	Railway Sidings	1898	968327
AP	420m NW	Unspecified Heap	1960	950199
AJ	420m NE	Railway Sidings	1960	944891
AJ	420m NE	Railway Station	1960	955502
AJ	420m NE	Railway Building	1898	819030
AS	421m E	Unspecified Quarry	1898	871246
AP	421m NW	Unspecified Heap	1985 - 1994	958655
AP	421m NW	Unspecified Heap	1974	958694
AS	422m E	Unspecified Quarry	1960	895145
AH	422m N	Unspecified Old Shaft	1960	980294
AV	422m NE	Unspecified Pit	1938	947912
AX	422m E	Unspecified Heap	1949	802461
AU	423m SW	Unspecified Tank	1898	823624
AY	423m S	Unspecified Old Shaft	1898	805639
AK	423m NE	Unspecified Works	1974	940933
AK	423m NE	Unspecified Works	1985 - 1994	952237
AJ	424m NE	Railway Sidings	1910	944527
AC	425m E	Unspecified Pit	1949	963117
AH	425m N	Unspecified Old Shaft	1938	936170
AC	426m E	Unspecified Pit	1938	893977
AF	426m NE	Old Coal Shaft	1949	791251
AY	426m S	Unspecified Old Shaft	1938	922907
AF	427m NE	Unspecified Disused Shafts	1974	904732
AF	427m NE	Unspecified Disused Shafts	1985 - 1994	972946



ID	Location	Land use	Dates present	Group ID
AY	427m S	Unspecified Old Shaft	1910	886898
AJ	427m NE	Railway Station	1873	958362
AF	428m NE	Old Coal Shafts	1910	835917
AC	428m E	Unspecified Pit	1873	838887
AF	428m NE	Unspecified Old Shafts	1960	976215
AF	429m NE	Unspecified Old Shafts	1938	984439
AJ	430m NE	Railway Station	1938 - 1949	868824
AT	431m SW	Unspecified Heap	1910	959702
AX	431m E	Railway Sidings	1910 - 1938	909238
T	431m W	Railway Building	1960	819037
AJ	433m NE	Railway Station	1910	849657
AJ	435m NE	Railway Station	1898	879969
AZ	438m NE	Cuttings	1873 - 1898	854898
AZ	438m NE	Cuttings	1949	904537
AW	444m NE	Unspecified Heap	1949	870271
AK	446m E	Railway Sidings	1960	898750
BB	446m E	Unspecified Heap	1910	898561
BB	448m E	Unspecified Heap	1938	964107
AZ	448m NE	Cuttings	1910 - 1938	854776
AZ	448m NE	Cuttings	1985 - 1994	942798
AZ	448m NE	Cuttings	1960 - 1974	991827
AK	448m NE	Unspecified Heap	1938	853602
AK	449m NE	Unspecified Ground Workings	1949	912841
BB	450m E	Unspecified Heap	1960	910365
BC	451m E	Railway Buildings	1898	833425
AP	451m NW	Unspecified Tank	1873	823586
BC	452m E	Railway Building	1898	819045
AK	454m NE	Unspecified Ground Workings	1873	857828



ID	Location	Land use	Dates present	Group ID
AT	455m SW	Unspecified Pit	1985 - 1994	900604
AT	455m SW	Unspecified Pit	1974	953381
AP	455m NW	Unspecified Shaft	1873	813419
BD	456m NW	Unspecified Heap	1910	939635
BE	456m NW	Unspecified Heap	1949	922668
BE	456m NW	Unspecified Heap	1873 - 1898	958390
BD	458m N	Unspecified Heap	1960 - 1974	859830
BD	458m N	Unspecified Heap	1985 - 1994	974022
BE	458m NW	Unspecified Heap	1960 - 1994	877189
BD	458m N	Unspecified Heap	1873 - 1898	850351
BD	458m N	Unspecified Heap	1949	979321
BE	459m NW	Unspecified Heap	1910	949917
BE	460m NW	Unspecified Heap	1938	945352
BD	460m NW	Unspecified Heap	1938	869830
AK	463m NE	Railway Sidings	1949	923070
AP	463m NW	Unspecified Tank	1873	823590
AJ	463m NE	Unspecified Ground Workings	1873	799177
AW	464m NE	Unspecified Heap	1898	850272
AK	464m NE	Cuttings	1873	795137
AS	466m E	Railway Sidings	1949	864644
BF	468m N	Unspecified Ground Workings	1910	799148
AS	468m E	Unspecified Quarry	1949	853617
BF	469m N	Unspecified Heap	1960	868103
BF	470m N	Unspecified Heap	1938	931602
AP	471m NW	Unspecified Tank	1873	823591
AJ	472m NE	Unspecified Heap	1910	802437
BG	476m N	Unspecified Heap	1949	802441
BG	477m N	Unspecified Heaps	1873	853491



ID	Location	Land use	Dates present	Group ID
AZ	477m NE	Unspecified Old Shafts	1960	793565
AP	478m NW	Unspecified Tank	1873	823592
11	478m E	Unspecified Ground Workings	1960	799173
BG	478m N	Refuse Heap	1960	828084
BG	479m N	Unspecified Ground Workings	1910	799151
BH	479m NE	Smithy	1898	843070
12	479m E	Unspecified Heap	1949	913742
BH	480m NE	Unspecified Old Shaft	1898	805623
BH	480m NE	Unspecified Ground Workings	1949	991562
BG	481m N	Unspecified Heaps	1938	880683
AW	481m NE	Unspecified Heap	1873	912749
AI	482m W	Railway Sidings	1910	849273
BI	482m SW	Unspecified Heap	1873	964989
BI	483m SW	Unspecified Heap	1938	926671
BI	484m SW	Unspecified Ground Workings	1910	799355
13	488m SW	Unspecified Heap	1873	802446
AS	491m E	Railway Sidings	1960	980520
14	491m N	Unspecified Works	1960	829742
BC	495m E	Unspecified Ground Workings	1938	894876
AJ	497m NE	Unspecified Pit	1985 - 1994	914818
AJ	497m NE	Unspecified Pit	1974	978307
AQ	498m E	Railway Buildings	1898	833429
BC	499m E	Unspecified Ground Workings	1960	867610

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

105

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Tanks	1961 - 1992	122325
A	On site	Unspecified Tank	1992	124111
A	On site	Unspecified Tank	1988	125319
A	On site	Unspecified Tank	1977	125968
A	On site	Unspecified Tank	1988	136668
A	On site	Unspecified Tank	1977	137537
A	On site	Unspecified Tank	1961 - 1977	139759
A	On site	Unspecified Tank	1961	143755
A	On site	Unspecified Tank	1961	146776
A	On site	Unspecified Tank	1992	147147
F	8m NW	Tanks	1875	144967
A	9m S	Unspecified Tank	1875	109189
A	12m E	Tanks	1912	104485
D	16m NW	Tanks	1875 - 1899	129370
A	18m E	Tanks	1912	104466
D	19m NW	Tanks	1912	126076
A	21m NE	Unspecified Tank	1912	109176
A	21m S	Unspecified Tank	1875	109184
A	22m NE	Tanks	1961	104484
A	25m E	Unspecified Tank	1912	109175
D	26m NW	Tanks	1912	124067



ID	Location	Land use	Dates present	Group ID
A	26m NE	Tanks	1961 - 1977	141173
D	26m NW	Tanks	1875	131479
D	26m NW	Tanks	1899	131504
A	31m NE	Tanks	1961	104487
A	32m E	Tanks	1899	104482
A	32m E	Unspecified Tank	1912	109174
A	33m E	Unspecified Tank	1912	109179
A	33m E	Unspecified Tank	1912	109178
A	35m NE	Tanks	1875 - 1899	141718
A	36m NE	Tanks	1988 - 1992	140327
A	37m E	Unspecified Tank	1961	109182
A	42m NE	Unspecified Tank	1875	132509
A	43m E	Unspecified Tank	1912	109177
I	43m N	Tanks	1988 - 1992	130467
A	44m E	Tanks	1912	104467
I	45m N	Tanks	1988 - 1992	138608
I	45m N	Tanks	1961 - 1977	127069
A	46m S	Tanks	1961	104483
A	47m E	Tanks	1912	104469
D	49m W	Tanks	1899 - 1912	137818
A	50m E	Tanks	1912	104470
A	51m NE	Tanks	1961	104488
I	51m N	Unspecified Tank	1961 - 1992	147767
A	52m E	Tanks	1912	104468
A	53m S	Unspecified Tank	1961	109181
A	59m E	Tanks	1992	129192
A	59m E	Tanks	1988	135031
D	61m W	Unspecified Tank	1875	141272



ID	Location	Land use	Dates present	Group ID
A	61m E	Tanks	1977	130287
A	61m E	Tanks	1961	133437
A	63m E	Unspecified Tank	1992	122414
A	63m E	Unspecified Tank	1988	142580
A	65m SE	Unspecified Tank	1961	109173
A	65m E	Unspecified Tank	1977	134009
A	65m E	Unspecified Tank	1961	137795
A	66m E	Unspecified Tank	1912	109172
A	66m S	Tanks	1961 - 1977	143607
A	67m S	Tanks	1961	104486
A	79m E	Tanks	1961	104464
A	80m E	Tanks	1961	104463
A	80m SE	Tanks	1961	104471
A	81m NE	Unspecified Tank	1961	109183
A	82m E	Unspecified Tank	1961	109166
D	85m W	Unspecified Tank	1875 - 1899	126857
A	89m E	Tanks	1961 - 1992	147272
A	90m E	Tanks	1961 - 1992	130524
A	93m E	Tanks	1961 - 1992	147935
A	98m SE	Tanks	1961	104472
A	98m E	Unspecified Tank	1961 - 1992	142058
A	98m E	Tanks	1961	104465
A	100m E	Unspecified Tank	1961	109167
A	100m E	Unspecified Tank	1961	109169
A	101m SE	Unspecified Tank	1961 - 1992	124767
A	102m E	Unspecified Tank	1961	109165
A	109m E	Unspecified Tank	1961 - 1992	143188
A	114m SE	Tanks	1961	104474



ID	Location	Land use	Dates present	Group ID
O	118m NE	Tanks	1961 - 1992	124961
A	119m SE	Unspecified Tank	1961	109170
A	122m SE	Tanks	1961	104473
A	123m SE	Unspecified Tank	1961	109171
A	128m SE	Unspecified Tank	1961	109168
A	131m E	Tanks	1961 - 1992	133082
K	150m SW	Tanks	1961 - 1988	128397
K	150m SW	Tanks	1992	140406
K	171m SW	Tanks	1992	129708
R	174m NE	Unspecified Tank	1873	109476
I	180m NE	Gas Works	1875 - 1912	122657
I	180m NE	Gas Works	1873 - 1912	147794
I	187m NE	Gas Works	1899	149260
I	189m E	Unspecified Tank	1988	141881
I	189m E	Unspecified Tank	1992	142129
I	191m E	Unspecified Tank	1977	136098
I	191m E	Unspecified Tank	1961	148801
I	195m NE	Gasometers	1899 - 1912	135156
I	201m NE	Tanks	1961 - 1992	138653
K	208m SW	Tanks	1992	141390
I	208m NE	Gasometer	1875	138514
K	228m SW	Tanks	1961	104489
K	231m SW	Unspecified Tank	1992	109188
K	253m SW	Unspecified Tank	1992	109190
K	269m SW	Unspecified Tank	1961 - 1992	148436
K	274m SW	Unspecified Tank	1992	109187
AD	294m SE	Tanks	1992	104490
AP	455m NW	Tanks	1875	122324

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

12

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
3	107m NW	Electricity Substation	1988 - 1992	68985
I	180m NE	Gas Works	1875 - 1912	69250
I	180m NE	Gas Works	1873 - 1912	83328
I	187m NE	Gas Works	1899	65063
I	195m NE	Gasometers	1899 - 1912	64534
K	202m SW	Electricity Substation	1992	59940
I	208m NE	Gasometer	1875	64353
BA	445m E	Electricity Substation	-	59495
BA	445m E	Electricity Substation	1994	68567
BA	447m E	Electricity Substation	1977	80046
BA	450m E	Electricity Substation	1978	67414
BA	450m E	Electricity Substation	1972	72515

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

4

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

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

ID	Location	Land use	Dates present	Group ID
V	223m NE	Garage	1977	24014
V	226m NE	Garage	1991 - 1992	27549
V	236m NE	Garage	1994	22714
AQ	455m E	Garage	1960	19927

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

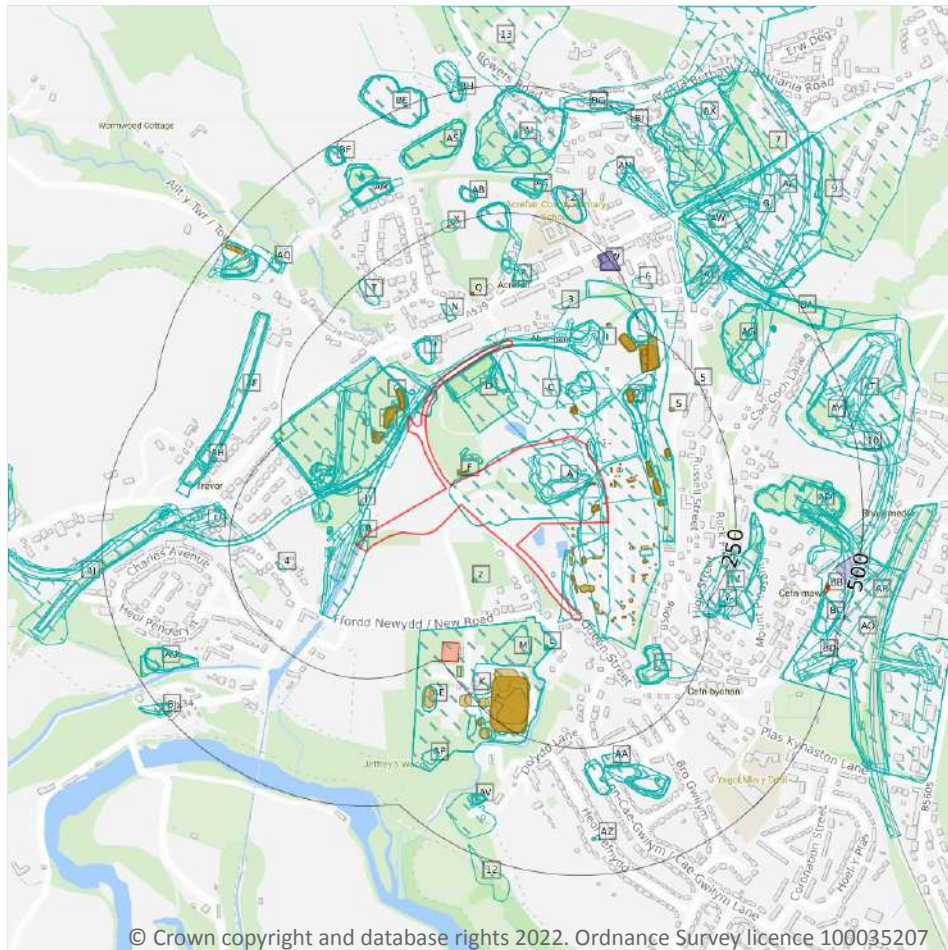
Records within 500m

0

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

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

2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

690

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 40**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Heap	1873	851006
A	On site	Chemical Works	1873	846266
A	On site	Pottery	1873	818617

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Ground Workings	1910	799230
A	On site	Chemical Works	1910	965929
A	On site	Unspecified Ground Workings	1910	799227
A	On site	Unspecified Commercial/Industrial	1910	796375
A	On site	Unspecified Heap	1938	888758
A	On site	Unspecified Heap	1938	983285
A	On site	Chemical Works	1949	926431
A	On site	Unspecified Ground Workings	1949	906002
A	On site	Unspecified Heap	1949	972755
A	On site	Chemical Works	1898	965929
A	On site	Unspecified Heap	1898	982023
A	On site	Unspecified Old Shaft	1898	805635
A	On site	Disused Pottery	1898	827369
A	On site	Unspecified Heap	1960	868132
A	On site	Unspecified Works	1960	921575
A	On site	Unspecified Ground Workings	1960	906002
A	On site	Unspecified Heap	1938	888758
A	On site	Unspecified Heap	1938	983285
A	On site	Unspecified Works	1994	950447
A	On site	Unspecified Works	1974	919176
A	On site	Unspecified Works	1985	950447
B	On site	Railway Building	1873	948486
B	On site	Railway Sidings	1873	846063
B	On site	Railway Building	1910	873931
B	On site	Railway Building	1898	948486
B	On site	Railway Sidings	1898	846063
C	On site	Iron Foundry	1873	835193
D	On site	Cemetery	1994	940779



ID	Location	Land Use	Date	Group ID
D	On site	Cemetery	1974	920807
D	On site	Cemetery	1985	940779
D	On site	Cemetery	1910	952021
D	On site	Railway Sidings	1910	888470
D	On site	Railway Sidings	1938	864992
D	On site	Railway Sidings	1949	956460
D	On site	Cemetery	1938	952021
E	On site	Railway Sidings	1873	863582
E	On site	Unspecified Heap	1910	981379
E	On site	Unspecified Heap	1938	950882
E	On site	Railway Sidings	1949	938392
E	On site	Unspecified Heap	1949	933462
E	On site	Railway Sidings	1898	899594
E	On site	Railway Sidings	1960	951163
E	On site	Unspecified Heap	1938	950882
1	0m NW	Railway Sidings	1938	908248
D	0m SW	Cemetery	1949	973591
D	0m SW	Cemetery	1898	957774
E	1m NW	Fire Clay Works	1873	957215
E	1m NW	Fire Clay Works	1949	984210
E	1m NW	Fire Clay Works	1898	957215
D	2m S	Cemetery	1960	897714
D	3m SE	Burial Ground	1873	811523
F	3m NW	Unspecified Tanks	1960	814758
D	3m NW	Unspecified Heap	1873	802447
G	5m NW	Railway Sidings	1910	939571
E	7m W	Fire Clay Works	1910	980082
A	8m NE	Unspecified Heap	1873	915638



ID	Location	Land Use	Date	Group ID
E	9m NW	Unspecified Works	1960	829743
A	9m NE	Unspecified Old Shaft	1898	805638
D	9m S	Unspecified Heap	1873	906564
C	9m S	Unspecified Heap	1873	802444
E	11m W	Fire Clay Works	1938	880892
F	11m NW	Unspecified Ground Workings	1994	940140
F	11m NW	Unspecified Ground Workings	1974	846776
F	11m NW	Unspecified Ground Workings	1985	940140
E	12m NW	Unspecified Tanks	1873	958702
A	13m NE	Unspecified Commercial/Industrial	1910	929883
E	16m NW	Unspecified Tanks	1960	941384
E	17m N	Unspecified Tank	1898	823582
E	17m NW	Unspecified Tanks	1949	872615
E	20m NW	Unspecified Tanks	1910	989973
E	21m NW	Unspecified Tanks	1938	973067
E	23m NW	Unspecified Tank	1898	823585
D	24m SE	Unspecified Heap	1938	905882
D	24m SE	Unspecified Heap	1938	905882
D	25m SE	Unspecified Heap	1910	905882
E	26m NW	Unspecified Tanks	1910	973067
E	27m NW	Unspecified Disused Shaft	1994	957560
E	27m NW	Unspecified Disused Shaft	1974	853249
E	27m NW	Unspecified Disused Shaft	1985	957560
D	31m S	Unspecified Heap	1949	975229
E	32m W	Unspecified Tank	1898	823578
H	33m NW	Unspecified Heap	1960	867813
D	34m SE	Unspecified Heap	1960	975229
E	35m W	Unspecified Tank	1898	823583



ID	Location	Land Use	Date	Group ID
H	35m NW	Unspecified Heap	1873	912012
H	36m NW	Unspecified Heap	1949	854998
A	37m NE	Unspecified Tank	1898	823579
H	37m NW	Unspecified Heap	1938	926315
H	37m NW	Unspecified Heap	1938	926315
B	38m NW	Railway Building	1910	819033
H	38m NW	Unspecified Heap	1910	907208
E	41m N	Unspecified Tank	1898	823584
F	42m NW	Old Lime Kiln	1910	979297
F	42m NW	Old Lime Kiln	1938	979297
B	43m W	Smithy	1873	971324
C	44m N	Unspecified Heap	1873	802445
E	44m W	Unspecified Tanks	1960	977496
I	46m NE	Unspecified Commercial/Industrial	1960	873929
I	46m N	Unspecified Foundry	1910	991428
E	47m W	Unspecified Tanks	1898	929829
E	48m W	Unspecified Tank	1938	823577
B	48m W	Smithy	1898	971324
E	50m W	Unspecified Tanks	1910	859995
J	51m NW	Railway Building	1910	819015
I	52m N	Unspecified Foundry	1898	991428
B	53m NW	Unspecified Old Shafts	1960	909818
K	53m SW	Unspecified Works	1994	934591
K	53m SW	Unspecified Works	1974	917555
K	53m SW	Unspecified Works	1985	934591
K	53m SW	Unspecified Works	1960	917555
B	54m NW	Unspecified Old Shafts	1898	953967
B	56m NW	Old Coal Shafts	1949	886103



ID	Location	Land Use	Date	Group ID
B	56m W	Railway Building	1910	819032
B	58m NW	Unspecified Disused Shaft	1994	925852
B	58m NW	Unspecified Disused Shaft	1974	854167
B	58m NW	Unspecified Disused Shaft	1985	925852
B	58m NW	Old Coal Shafts	1938	961421
B	59m NW	Old Coal Shafts	1910	913564
B	64m SW	Railway Building	1873	819031
L	72m SW	Old Coal Shaft	1938	988268
B	73m NW	Unspecified Old Shafts	1960	793594
L	73m SW	Unspecified Disused Shaft	1994	978346
L	73m SW	Unspecified Disused Shaft	1974	848260
L	73m SW	Unspecified Disused Shaft	1985	978346
L	73m SW	Unspecified Old Shaft	1960	805637
I	73m N	Unspecified Heap	1873	892731
B	74m NW	Old Coal Shafts	1949	890135
L	74m SW	Old Coal Shaft	1910	951697
B	75m NW	Refuse Heap	1960	828085
L	75m SW	Old Coal Shaft	1949	847690
E	76m W	Unspecified Tank	1873	851612
E	76m W	Unspecified Tank	1898	851612
I	76m N	Unspecified Heap	1938	872188
I	76m N	Unspecified Heap	1938	872188
B	77m NW	Unspecified Old Shafts	1898	793593
B	77m NW	Old Coal Shafts	1910	936452
E	78m W	Unspecified Shaft	1873	813420
J	78m NW	Unspecified Ground Workings	1960	955158
M	78m SW	Unspecified Heap	1994	891956
M	78m SW	Unspecified Heap	1974	955997

ID	Location	Land Use	Date	Group ID
M	78m SW	Unspecified Heap	1985	891956
B	79m NW	Unspecified Heap	1938	929899
B	79m NW	Unspecified Heap	1938	929899
A	82m SE	Unspecified Tanks	1949	988031
N	82m NW	Police Station	1994	852295
N	82m NW	Police Station	1974	919590
N	82m NW	Police Station	1985	852295
I	84m N	Unspecified Heap	1910	903196
A	84m SE	Unspecified Tanks	1960	988031
J	88m NW	Unspecified Ground Workings	1949	980489
G	88m NW	Unspecified Ground Workings	1938	852072
G	88m NW	Unspecified Ground Workings	1938	852072
B	89m NW	Railway Sidings	1898	794424
O	90m NE	Unspecified Ground Workings	1949	846550
2	90m SW	Unspecified Old Shaft	1898	805616
O	90m NE	Unspecified Ground Workings	1910	890597
O	91m NE	Unspecified Ground Workings	1938	991108
O	91m NE	Unspecified Ground Workings	1938	991108
O	91m NE	Unspecified Ground Workings	1960	911497
I	92m E	Railway Building	1898	819029
A	92m E	Unspecified Tank	1994	905806
A	92m E	Unspecified Tank	1974	847896
A	92m E	Unspecified Tank	1985	905806
A	93m E	Unspecified Pit	1873	838888
A	94m E	Unspecified Tank	1994	902397
A	94m E	Unspecified Tank	1974	990993
A	94m E	Unspecified Tank	1985	902397
I	95m N	Unspecified Heap	1873	956062



ID	Location	Land Use	Date	Group ID
A	97m E	Unspecified Tank	1994	986697
A	97m E	Unspecified Tank	1974	866127
A	97m E	Unspecified Tank	1985	986697
A	99m E	Unspecified Tanks	1949	894873
A	100m E	Unspecified Tank	1994	855006
A	100m E	Unspecified Tank	1974	911349
A	100m E	Unspecified Tank	1985	855006
A	100m E	Unspecified Tank	1994	869570
A	100m E	Unspecified Tank	1974	951265
A	100m E	Unspecified Tank	1985	869570
A	101m E	Unspecified Tanks	1960	894873
A	104m E	Unspecified Tank	1949	974622
P	107m N	Unspecified Heap	1949	922395
3	107m NE	Unspecified Heap	1873	802439
P	109m N	Unspecified Heaps	1910	923503
O	109m E	Railway Sidings	1949	904014
P	110m N	Unspecified Heap	1873	887871
P	111m N	Unspecified Heap	1960	922395
I	112m E	Unspecified Ground Workings	1910	984563
I	112m E	Unspecified Ground Workings	1938	961567
I	112m E	Unspecified Ground Workings	1938	961567
I	113m E	Unspecified Pit	1949	894601
I	115m E	Unspecified Pit	1960	894601
I	115m E	Unspecified Ground Workings	1960	855538
O	116m E	Railway Sidings	1960	904014
O	116m NE	Unspecified Quarry and Ground Workings	1873	821845
G	117m NW	Unspecified Pit	1873	838916
G	120m NW	Unspecified Ground Workings	1960	915099



ID	Location	Land Use	Date	Group ID
O	122m NE	Unspecified Tank	1994	945366
O	122m NE	Unspecified Tank	1974	846460
O	122m NE	Unspecified Tank	1985	945366
K	122m SW	Sewage Works	1949	811735
G	124m NW	Unspecified Ground Workings	1910	977272
G	125m NW	Unspecified Ground Workings	1949	924305
O	130m NE	Unspecified Tank	1994	963083
O	130m NE	Unspecified Tank	1974	902892
O	130m NE	Unspecified Tank	1985	963083
P	131m N	Unspecified Tank	1960	823587
A	133m E	Unspecified Tanks	1949	915136
A	133m E	Unspecified Tanks	1960	915136
G	135m NW	Unspecified Ground Workings	1994	930526
G	135m NW	Unspecified Ground Workings	1974	859431
G	135m NW	Unspecified Ground Workings	1985	930526
P	137m N	Unspecified Pit	1949	838919
R	137m SE	Unspecified Heap	1938	984766
R	137m SE	Unspecified Heap	1938	984766
R	138m SE	Unspecified Ground Workings	1910	799228
P	140m N	Unspecified Heaps	1873	874145
R	141m SE	Unspecified Heap	1949	899732
P	142m N	Unspecified Heap	1960	802440
R	143m SE	Unspecified Heap	1994	865796
R	143m SE	Unspecified Heap	1974	874645
R	143m SE	Unspecified Heap	1985	865796
R	143m SE	Unspecified Heap	1960	874645
I	147m NE	Unspecified Tank	1960	823581
4	147m W	Smithy	1910	843071



ID	Location	Land Use	Date	Group ID
K	150m SW	Unspecified Tanks	1994	933172
K	150m SW	Unspecified Tanks	1974	855627
K	150m SW	Unspecified Tanks	1985	933172
K	150m SW	Unspecified Tanks	1960	855627
R	156m SE	Unspecified Heap	1873	954604
I	157m E	Unspecified Shaft	1898	813421
I	160m E	Unspecified Tank	1960	823588
I	178m NE	Unspecified Commercial/Industrial	1949	854160
S	179m NE	Unspecified Tank	1873	823580
I	180m NE	Gas Works	1873	802184
P	188m N	Unspecified Old Shafts	1898	793595
I	190m E	Unspecified Tank	1960	823589
T	191m NW	Unspecified Heap	1994	978395
T	191m NW	Unspecified Heap	1974	885094
T	191m NW	Unspecified Heap	1985	978395
I	194m NE	Unspecified Tanks	1960	814784
I	195m NE	Unspecified Tank	1949	964775
I	197m NE	Gasometer	1910	809643
I	197m NE	Unspecified Tank	1898	902691
U	203m W	Railway Sidings	1898	869512
I	204m NE	Unspecified Tank	1994	986067
I	204m NE	Unspecified Tank	1974	939657
I	204m NE	Unspecified Tank	1985	986067
I	208m NE	Unspecified Tank	1949	897428
I	209m NE	Unspecified Tanks	1960	814783
I	210m NE	Gasometer	1910	915028
V	210m SE	Unspecified Disused Quarry	1994	868125
V	210m SE	Unspecified Disused Quarry	1974	901030



ID	Location	Land Use	Date	Group ID
V	210m SE	Unspecified Disused Quarry	1985	868125
I	210m NE	Unspecified Tank	1949	967704
I	211m NE	Unspecified Tank	1949	888619
I	211m NE	Gasometer	1873	926135
I	211m NE	Unspecified Tank	1898	924576
I	212m E	Unspecified Tank	1994	851703
I	212m E	Unspecified Tank	1974	873845
I	212m E	Unspecified Tank	1985	851703
P	213m N	Unspecified Heaps	1949	886101
P	213m N	Unspecified Heaps	1898	946180
P	213m N	Unspecified Heap	1994	950359
P	213m N	Unspecified Heap	1974	891842
P	213m N	Unspecified Heap	1985	950359
P	213m N	Unspecified Heap	1960	891842
P	215m N	Unspecified Heap	1910	933273
P	216m N	Unspecified Heap	1938	969391
P	216m N	Unspecified Heap	1938	969391
I	222m NE	Unspecified Heap	1910	853994
K	223m SW	Unspecified Tank	1949	823626
K	223m SW	Unspecified Tanks	1994	977538
K	223m SW	Unspecified Tanks	1974	964988
K	223m SW	Unspecified Tanks	1985	977538
I	225m NE	Unspecified Heap	1994	945310
I	225m NE	Unspecified Heap	1974	856266
I	225m NE	Unspecified Heap	1985	945310
I	225m NE	Unspecified Heap	1960	856266
I	225m NE	Unspecified Heap	1873	954492
K	226m SW	Unspecified Tank	1949	823622



ID	Location	Land Use	Date	Group ID
I	227m NE	Unspecified Heap	1938	938482
I	227m NE	Unspecified Heap	1938	938482
V	231m E	Unspecified Old Quarry	1938	854893
V	235m E	Unspecified Old Quarry	1910	967738
V	235m E	Unspecified Old Quarry	1949	939947
X	238m N	Unspecified Heap	1873	802443
Y	241m E	Unspecified Old Quarry	1960	944653
5	245m NE	Unspecified Old Shaft	1898	805636
K	246m SW	Unspecified Tank	1949	823623
X	252m N	Unspecified Old Shafts	1898	793592
V	256m E	Unspecified Old Quarry	1960	939947
V	258m E	Unspecified Old Quarry	1898	967738
U	260m W	Unspecified Commercial/Industrial	1910	796362
K	260m SW	Unspecified Tanks	1960	814757
6	260m NE	Unspecified Heap	1873	802438
Z	262m NE	Unspecified Heap	1910	893114
Z	262m NE	Unspecified Heap	1873	921323
Z	262m NE	Unspecified Heap	1949	917249
Z	262m NE	Unspecified Heap	1898	921323
Z	263m NE	Unspecified Heap	1960	885996
K	264m SW	Unspecified Tank	1994	961320
K	264m SW	Unspecified Tank	1974	879191
K	264m SW	Unspecified Tank	1985	961320
Z	265m NE	Unspecified Heap	1938	846097
Z	265m NE	Unspecified Heap	1938	846097
AA	269m S	Police Station	1994	914253
AA	269m S	Police Station	1974	939544
AA	269m S	Police Station	1985	914253



ID	Location	Land Use	Date	Group ID
K	271m SW	Unspecified Tank	1994	860261
K	271m SW	Unspecified Tank	1974	957401
K	271m SW	Unspecified Tank	1985	860261
K	271m SW	Unspecified Heap	1994	968122
K	271m SW	Unspecified Heap	1974	862066
K	271m SW	Unspecified Heap	1985	968122
U	272m W	Railway Building	1898	951987
AA	273m S	Unspecified Heap	1938	952185
AA	273m S	Unspecified Heap	1938	952185
U	274m W	Railway Building	1938	911576
AA	276m S	Unspecified Heap	1910	908123
Y	279m E	Unspecified Ground Workings	1910	799179
AB	280m N	Unspecified Heap	1873	983478
AB	280m N	Unspecified Heap	1949	866398
AB	280m N	Unspecified Heap	1898	983478
AC	282m N	Unspecified Heap	1949	864855
AB	282m N	Unspecified Heap	1910	983478
AB	282m N	Unspecified Heap	1960	989655
AA	283m S	Unspecified Heap	1873	958641
AA	283m S	Unspecified Heap	1949	855246
AA	283m S	Unspecified Heap	1898	958641
AC	283m N	Unspecified Heap	1910	930111
AC	283m N	Unspecified Heap	1960	884556
AB	284m N	Unspecified Heap	1938	913967
AB	284m N	Unspecified Heap	1938	913967
I	287m NE	Unspecified Tank	1960	823601
AC	287m N	Unspecified Heap	1938	930111
AC	287m N	Unspecified Heap	1938	930111



ID	Location	Land Use	Date	Group ID
AD	287m E	Unspecified Quarry	1898	896755
AA	288m S	Unspecified Ground Workings	1910	891138
AD	288m E	Unspecified Quarry	1910	853930
AD	288m E	Unspecified Quarry	1960	989953
AC	290m N	Unspecified Heap	1994	863044
AC	290m N	Unspecified Heap	1974	887020
AC	290m N	Unspecified Heap	1985	863044
AD	290m E	Unspecified Quarry	1949	900944
AE	291m SE	Unspecified Tanks	1994	936448
AE	291m SE	Unspecified Tanks	1974	898815
AE	291m SE	Unspecified Tanks	1985	936448
AE	291m SE	Unspecified Tanks	1960	898815
AA	292m S	Unspecified Heap	1949	933991
AC	292m N	Unspecified Heap	1873	883164
AD	292m E	Unspecified Quarry	1938	847137
AA	294m S	Unspecified Heap	1873	989994
AA	294m S	Unspecified Heap	1898	989994
U	305m W	Railway Buildings	1938	833420
U	306m W	Railway Building	1898	819034
AA	310m S	Unspecified Pit	1960	838894
AF	316m W	Cuttings	1873	938550
AF	317m W	Cuttings	1960	877815
AF	318m W	Cuttings	1949	855051
AG	318m NE	Unspecified Heaps	1949	859739
AG	318m NE	Unspecified Heaps	1960	983126
AG	318m NE	Unspecified Ground Workings	1910	911658
AF	319m W	Cuttings	1938	855051
AA	321m S	Unspecified Heap	1960	964957



ID	Location	Land Use	Date	Group ID
AG	321m NE	Unspecified Heaps	1938	889520
AG	321m NE	Unspecified Heaps	1938	889520
AF	322m W	Cuttings	1910	855051
AG	322m NE	Unspecified Ground Workings	1994	963476
AG	322m NE	Unspecified Ground Workings	1974	864631
AG	322m NE	Unspecified Ground Workings	1985	963476
AH	323m NW	Cuttings	1898	909105
AG	324m NE	Unspecified Ground Workings	1873	908574
AH	325m NW	Cuttings	1898	906487
AH	325m NW	Cuttings	1873	906487
AH	328m NW	Cuttings	1960	856345
AA	328m S	Unspecified Ground Workings	1949	926091
AI	329m N	Unspecified Heap	1873	982742
AI	329m N	Unspecified Ground Workings	1898	881136
AA	330m S	Unspecified Heap	1994	922754
AA	330m S	Unspecified Heap	1974	988328
AA	330m S	Unspecified Heap	1985	922754
AH	331m NW	Cuttings	1949	856345
AH	333m NW	Cuttings	1994	917477
AH	333m NW	Cuttings	1974	861276
AH	333m NW	Cuttings	1985	917477
AI	337m N	Unspecified Ground Workings	1949	905269
AI	338m N	Unspecified Heap	1910	876730
AI	338m N	Unspecified Ground Workings	1994	851992
AI	338m N	Unspecified Ground Workings	1974	905269
AI	338m N	Unspecified Ground Workings	1985	977708
AI	338m N	Unspecified Ground Workings	1960	905269
AJ	340m W	Railway Sidings	1960	860639



ID	Location	Land Use	Date	Group ID
AI	340m N	Unspecified Ground Workings	1938	991639
AI	340m N	Unspecified Ground Workings	1938	991639
AI	340m N	Unspecified Pit	1949	937195
AI	340m N	Unspecified Ground Workings	1910	881136
AJ	341m W	Railway Sidings	1949	935188
AA	343m SE	Unspecified Disused Shaft	1994	991122
AA	343m SE	Unspecified Disused Shaft	1974	914920
AA	343m SE	Unspecified Disused Shaft	1985	991122
AI	345m N	Unspecified Pit	1938	971893
AI	345m N	Unspecified Pit	1938	971893
AD	346m E	Unspecified Disused Quarry	1994	918803
AD	346m E	Unspecified Disused Quarry	1974	848406
AD	346m E	Unspecified Disused Quarry	1985	918803
7	351m NE	Railway Sidings	1873	908990
AK	352m NE	Railway Sidings	1949	953530
AK	353m NE	Railway Sidings	1960	880816
8	355m NE	Railway Sidings	1898	857498
U	356m W	Railway Building	1898	850157
AK	357m NE	Railway Buildings	1960	833426
AK	358m E	Unspecified Heap	1938	871779
AK	358m E	Unspecified Heap	1938	871779
AL	358m E	Railway Sidings	1938	936891
U	359m W	Railway Building	1938	894495
AM	361m NW	Cuttings	1994	849658
AM	361m NW	Cuttings	1974	900301
AM	361m NW	Cuttings	1985	849658
AM	361m NW	Cuttings	1960	900301
AN	361m NE	Unspecified Heap	1873	872910



ID	Location	Land Use	Date	Group ID
AM	363m NW	Cuttings	1949	887847
AM	363m NW	Cuttings	1910	924032
AM	364m NW	Cuttings	1873	959048
AM	364m NW	Cuttings	1938	887847
AO	364m E	Railway Sidings	1949	889850
AK	367m NE	Unspecified Ground Workings	1910	799178
AK	369m E	Unspecified Heap	1873	906993
U	369m W	Railway Station	1873	852823
U	370m W	Railway Station	1898	947483
AP	371m SW	Unspecified Pit	1994	862129
AP	371m SW	Unspecified Pit	1974	915608
AP	371m SW	Unspecified Pit	1985	862129
U	371m W	Railway Station	1910	963564
AQ	371m NW	Cuttings	1873	947131
U	373m W	Railway Station	1960	867622
U	374m W	Railway Station	1949	941753
AN	375m NE	Unspecified Heap	1994	991697
AN	375m NE	Unspecified Heap	1974	918864
AN	375m NE	Unspecified Heap	1985	991697
AN	376m NE	Railway Sidings	1949	976278
U	376m W	Railway Station	1938	917349
AK	376m NE	Railway Building	1873	921202
AK	376m NE	Railway Building	1898	921202
U	376m W	Railway Sidings	1873	869512
AR	376m E	Railway Sidings	1898	889287
AR	377m E	Railway Sidings	1873	898154
AQ	377m NW	Cuttings	1960	970737
AS	377m N	Unspecified Heap	1873	956190



ID	Location	Land Use	Date	Group ID
AS	377m N	Unspecified Heap	1949	848181
AS	377m N	Unspecified Heap	1898	956190
AG	378m NE	Old Coal Shafts	1949	943058
AN	378m NE	Railway Sidings	1960	940227
AS	378m N	Unspecified Heap	1910	928909
AG	379m NE	Old Coal Shafts	1910	972153
AQ	379m NW	Cuttings	1949	970737
AN	379m NE	Railway Sidings	1938	938057
AS	379m N	Unspecified Heap	1994	973041
AS	379m N	Unspecified Heap	1974	902299
AS	379m N	Unspecified Heap	1985	973041
AS	379m N	Unspecified Heap	1960	902299
AG	380m NE	Unspecified Old Shafts	1960	968260
AG	380m NE	Unspecified Disused Shafts	1994	929031
AG	380m NE	Unspecified Disused Shafts	1974	946734
AG	380m NE	Unspecified Disused Shafts	1985	929031
AT	380m E	Unspecified Disused Quarry	1974	960860
AT	380m E	Unspecified Disused Quarry	1985	930857
AQ	381m NW	Cuttings	1910	962847
AS	381m N	Unspecified Heap	1938	881586
AS	381m N	Unspecified Heap	1938	881586
AG	381m NE	Unspecified Old Shafts	1938	852705
AG	381m NE	Unspecified Old Shafts	1938	852705
AO	381m E	Colliery	1938	987140
AO	381m E	Colliery	1938	987140
AR	381m E	Railway Sidings	1910	873690
AR	381m E	Railway Sidings	1938	946672
AI	381m N	Unspecified Heap	1938	919855



ID	Location	Land Use	Date	Group ID
AI	381m N	Unspecified Heap	1938	919855
AU	383m SW	Unspecified Heap	1873	970300
AU	383m SW	Unspecified Heap	1949	921109
AU	383m SW	Unspecified Heap	1898	970300
AU	385m SW	Unspecified Ground Workings	1960	898942
AN	385m NE	Railway Sidings	1910	904427
AL	386m NE	Railway Sidings	1910	920155
AV	387m SW	Unspecified Heap	1938	932549
AV	387m SW	Unspecified Heap	1994	859571
AV	387m SW	Unspecified Heap	1974	920193
AV	387m SW	Unspecified Heap	1985	859571
AV	387m SW	Unspecified Heap	1960	920193
AV	387m SW	Unspecified Heap	1938	932549
AV	389m SW	Unspecified Ground Workings	1910	799231
AU	390m SW	Unspecified Ground Workings	1938	852131
AU	390m SW	Unspecified Ground Workings	1938	852131
AD	391m E	Smithy	1898	843069
AV	391m SW	Unspecified Heap	1949	861588
AM	392m NW	Unspecified Heap	1873	950387
AM	392m NW	Unspecified Heap	1898	950387
AM	394m NW	Unspecified Heap	1938	967576
AM	394m NW	Unspecified Heap	1938	967576
U	394m W	Railway Building	1960	819038
AI	395m N	Unspecified Old Shaft	1960	952035
AV	395m SW	Sewage Works	1898	811727
AI	396m N	Old Coal Shaft	1910	862077
AD	397m E	Unspecified Ground Workings	1938	968500
AD	397m E	Unspecified Ground Workings	1938	968500



ID	Location	Land Use	Date	Group ID
AI	398m N	Old Coal Shaft	1949	931500
AI	398m N	Unspecified Old Shaft	1898	883456
AI	399m N	Unspecified Old Shaft	1938	926886
AI	399m N	Unspecified Old Shaft	1938	926886
AM	400m NW	Unspecified Heap	1994	948669
AM	400m NW	Unspecified Heap	1974	907647
AM	400m NW	Unspecified Heap	1985	948669
AQ	400m NW	Unspecified Commercial/Industrial	1873	796376
AD	401m E	Unspecified Ground Workings	1960	943848
AI	402m N	Unspecified Disused Shaft	1974	863467
AI	402m N	Unspecified Disused Shaft	1985	909059
AG	403m NE	Unspecified Old Shaft	1898	805633
AM	405m NW	Unspecified Heap	1960	984898
AL	406m NE	Engineering Works	1949	849466
AL	406m NE	Engineering Works	1898	849905
AO	406m E	Colliery	1910	980208
AL	407m NE	Engineering Works	1910	946014
AM	407m NW	Unspecified Old Shaft	1960	936657
AL	407m NE	Unspecified Works	1960	958726
AM	410m NW	Old Coal Shaft	1949	899013
AM	410m NW	Unspecified Old Shaft	1898	851801
AM	410m NW	Old Coal Shaft	1910	982764
AM	411m NW	Unspecified Disused Shaft	1994	845304
AM	411m NW	Unspecified Disused Shaft	1974	951935
AM	411m NW	Unspecified Disused Shaft	1985	845304
AM	411m NW	Old Coal Shaft	1938	941644
AD	413m E	Railway Buildings	1873	833428
AW	414m NE	Unspecified Ground Workings	1949	799229



ID	Location	Land Use	Date	Group ID
AQ	415m NW	Unspecified Heap	1949	882318
AX	415m NE	Unspecified Ground Workings	1910	924481
AX	416m NE	Unspecified Ground Workings	1938	917130
AX	416m NE	Unspecified Ground Workings	1938	917130
AQ	416m NW	Unspecified Ground Workings	1910	859625
AX	416m NE	Unspecified Ground Workings	1960	952906
AD	417m E	Unspecified Heap	1949	802462
AQ	417m NW	Unspecified Heap	1938	964747
AQ	417m NW	Unspecified Heap	1938	964747
AD	418m E	Unspecified Heap	1994	874830
AD	418m E	Unspecified Heap	1985	874830
AL	418m NE	Unspecified Commercial/Industrial	1938	796378
9	418m NE	Iron Works	1873	822781
AT	418m E	Unspecified Quarry	1910	955318
AQ	418m NW	Unspecified Ground Workings	1873	943074
AQ	418m NW	Unspecified Ground Workings	1898	943074
AK	419m NE	Railway Sidings	1949	953531
AT	419m E	Unspecified Quarry	1938	883988
AX	419m NE	Unspecified Ground Workings	1994	909334
AX	419m NE	Unspecified Ground Workings	1974	952906
AX	419m NE	Unspecified Ground Workings	1985	909334
AK	419m NE	Railway Sidings	1898	968327
AQ	420m NW	Unspecified Heap	1960	950199
AK	420m NE	Railway Station	1960	955502
AK	420m NE	Railway Sidings	1960	944891
AK	420m NE	Railway Building	1898	819030
AT	421m E	Unspecified Quarry	1898	871246
AQ	421m NW	Unspecified Heap	1994	958655



ID	Location	Land Use	Date	Group ID
AQ	421m NW	Unspecified Heap	1974	958694
AQ	421m NW	Unspecified Heap	1985	958655
AT	422m E	Unspecified Quarry	1960	895145
AI	422m N	Unspecified Old Shaft	1960	980294
AW	422m NE	Unspecified Pit	1938	947912
AW	422m NE	Unspecified Pit	1938	947912
AY	422m E	Unspecified Heap	1949	802461
AV	423m SW	Unspecified Tank	1898	823624
AZ	423m S	Unspecified Old Shaft	1898	805639
AL	423m NE	Unspecified Works	1994	952237
AL	423m NE	Unspecified Works	1974	940933
AL	423m NE	Unspecified Works	1985	952237
AK	424m NE	Railway Sidings	1910	944527
AD	425m E	Unspecified Pit	1949	963117
AI	425m N	Unspecified Old Shaft	1938	936170
AI	425m N	Unspecified Old Shaft	1938	936170
AD	426m E	Unspecified Pit	1938	893977
AD	426m E	Unspecified Pit	1938	893977
AG	426m NE	Old Coal Shaft	1949	791251
AZ	426m S	Unspecified Old Shaft	1938	922907
AZ	426m S	Unspecified Old Shaft	1938	922907
AG	427m NE	Unspecified Disused Shafts	1994	972946
AG	427m NE	Unspecified Disused Shafts	1974	904732
AG	427m NE	Unspecified Disused Shafts	1985	972946
AZ	427m S	Unspecified Old Shaft	1910	886898
AK	427m NE	Railway Station	1873	958362
AG	428m NE	Old Coal Shafts	1910	835917
AD	428m E	Unspecified Pit	1873	838887



ID	Location	Land Use	Date	Group ID
AG	428m NE	Unspecified Old Shafts	1960	976215
AG	429m NE	Unspecified Old Shafts	1938	984439
AG	429m NE	Unspecified Old Shafts	1938	984439
AK	430m NE	Railway Station	1949	868824
AU	431m SW	Unspecified Heap	1910	959702
AY	431m E	Railway Sidings	1938	909238
U	431m W	Railway Building	1960	819037
AY	431m E	Railway Sidings	1910	909238
AK	433m NE	Railway Station	1910	849657
AK	435m NE	Railway Station	1938	868824
AK	435m NE	Railway Station	1898	879969
BA	438m NE	Cuttings	1949	904537
BA	438m NE	Cuttings	1898	854898
BA	438m NE	Cuttings	1873	854898
AX	444m NE	Unspecified Heap	1949	870271
AL	446m E	Railway Sidings	1960	898750
BC	446m E	Unspecified Heap	1910	898561
BC	448m E	Unspecified Heap	1938	964107
BC	448m E	Unspecified Heap	1938	964107
BA	448m NE	Cuttings	1994	942798
BA	448m NE	Cuttings	1974	991827
BA	448m NE	Cuttings	1985	942798
BA	448m NE	Cuttings	1960	991827
BA	448m NE	Cuttings	1910	854776
AL	448m NE	Unspecified Heap	1938	853602
AL	448m NE	Unspecified Heap	1938	853602
AL	449m NE	Unspecified Ground Workings	1949	912841
BC	450m E	Unspecified Heap	1960	910365



ID	Location	Land Use	Date	Group ID
BD	451m E	Railway Buildings	1898	833425
BA	451m NE	Cuttings	1938	854776
AQ	451m NW	Unspecified Tank	1873	823586
BD	452m E	Railway Building	1898	819045
AL	454m NE	Unspecified Ground Workings	1873	857828
AU	455m SW	Unspecified Pit	1994	900604
AU	455m SW	Unspecified Pit	1974	953381
AU	455m SW	Unspecified Pit	1985	900604
AQ	455m NW	Unspecified Shaft	1873	813419
BE	456m NW	Unspecified Heap	1910	939635
BF	456m NW	Unspecified Heap	1873	958390
BF	456m NW	Unspecified Heap	1949	922668
BF	456m NW	Unspecified Heap	1898	958390
BE	458m N	Unspecified Heap	1994	974022
BE	458m N	Unspecified Heap	1974	859830
BE	458m N	Unspecified Heap	1985	974022
BE	458m N	Unspecified Heap	1960	859830
BF	458m NW	Unspecified Heap	1994	877189
BF	458m NW	Unspecified Heap	1974	877189
BF	458m NW	Unspecified Heap	1985	877189
BF	458m NW	Unspecified Heap	1960	877189
BE	458m N	Unspecified Heap	1873	850351
BE	458m N	Unspecified Heap	1949	979321
BE	458m N	Unspecified Heap	1898	850351
BF	459m NW	Unspecified Heap	1910	949917
BF	460m NW	Unspecified Heap	1938	945352
BF	460m NW	Unspecified Heap	1938	945352
BE	460m NW	Unspecified Heap	1938	869830



ID	Location	Land Use	Date	Group ID
BE	460m NW	Unspecified Heap	1938	869830
AL	463m NE	Railway Sidings	1949	923070
AQ	463m NW	Unspecified Tank	1873	823590
AK	463m NE	Unspecified Ground Workings	1873	799177
AX	464m NE	Unspecified Heap	1898	850272
AL	464m NE	Cuttings	1873	795137
AT	466m E	Railway Sidings	1949	864644
BG	468m N	Unspecified Ground Workings	1910	799148
AT	468m E	Unspecified Quarry	1949	853617
BG	469m N	Unspecified Heap	1960	868103
BG	470m N	Unspecified Heap	1938	931602
BG	470m N	Unspecified Heap	1938	931602
AQ	471m NW	Unspecified Tank	1873	823591
AK	472m NE	Unspecified Heap	1910	802437
BH	476m N	Unspecified Heap	1949	802441
BA	477m NE	Unspecified Old Shafts	1960	793565
BH	477m N	Unspecified Heaps	1873	853491
AQ	478m NW	Unspecified Tank	1873	823592
10	478m E	Unspecified Ground Workings	1960	799173
BH	478m N	Refuse Heap	1960	828084
BH	479m N	Unspecified Ground Workings	1910	799151
BI	479m NE	Smithy	1898	843070
11	479m E	Unspecified Heap	1949	913742
BI	480m NE	Unspecified Old Shaft	1898	805623
BI	480m NE	Unspecified Ground Workings	1949	991562
BH	481m N	Unspecified Heaps	1938	880683
BH	481m N	Unspecified Heaps	1938	880683
AX	481m NE	Unspecified Heap	1873	912749



ID	Location	Land Use	Date	Group ID
AJ	482m W	Railway Sidings	1910	849273
BJ	482m SW	Unspecified Heap	1873	964989
BJ	483m SW	Unspecified Heap	1938	926671
BJ	483m SW	Unspecified Heap	1938	926671
BJ	484m SW	Unspecified Ground Workings	1910	799355
12	488m SW	Unspecified Heap	1873	802446
AT	491m E	Railway Sidings	1960	980520
13	491m N	Unspecified Works	1960	829742
BD	495m E	Unspecified Ground Workings	1938	894876
BD	495m E	Unspecified Ground Workings	1938	894876
AK	497m NE	Unspecified Pit	1994	914818
AK	497m NE	Unspecified Pit	1974	978307
AK	497m NE	Unspecified Pit	1985	914818
AR	498m E	Railway Buildings	1898	833429
BD	499m E	Unspecified Ground Workings	1960	867610

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

165

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 40**

ID	Location	Land Use	Date	Group ID
A	On site	Tanks	1961	122325
A	On site	Unspecified Tank	1961	139759
A	On site	Unspecified Tank	1961	146776
A	On site	Unspecified Tank	1961	143755
A	On site	Unspecified Tank	1977	137537



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1977	139759
A	On site	Unspecified Tank	1977	125968
A	On site	Tanks	1977	122325
A	On site	Tanks	1988	122325
A	On site	Unspecified Tank	1988	136668
A	On site	Unspecified Tank	1988	125319
A	On site	Tanks	1992	122325
A	On site	Unspecified Tank	1992	147147
A	On site	Unspecified Tank	1992	124111
F	8m NW	Tanks	1875	144967
F	8m NW	Tanks	1875	144967
A	9m S	Unspecified Tank	1875	109189
A	12m E	Tanks	1912	104485
E	16m NW	Tanks	1875	129370
E	16m NW	Tanks	1875	129370
E	16m NW	Tanks	1899	129370
A	18m E	Tanks	1912	104466
E	19m NW	Tanks	1912	126076
A	21m NE	Unspecified Tank	1912	109176
A	21m S	Unspecified Tank	1875	109184
A	22m NE	Tanks	1961	104484
A	25m E	Unspecified Tank	1912	109175
E	26m NW	Tanks	1912	124067
A	26m NE	Tanks	1961	141173
A	26m NE	Tanks	1977	141173
E	26m NW	Tanks	1875	131479
E	26m NW	Tanks	1875	131479
E	26m NW	Tanks	1899	131504



ID	Location	Land Use	Date	Group ID
A	31m NE	Tanks	1961	104487
A	32m E	Tanks	1899	104482
A	32m E	Unspecified Tank	1912	109174
A	33m E	Unspecified Tank	1912	109179
A	33m E	Unspecified Tank	1912	109178
A	35m NE	Tanks	1875	141718
A	35m NE	Tanks	1899	141718
A	36m NE	Tanks	1988	140327
A	36m NE	Tanks	1992	140327
A	37m E	Unspecified Tank	1961	109182
A	42m NE	Unspecified Tank	1875	132509
A	42m NE	Unspecified Tank	1875	132509
A	43m E	Unspecified Tank	1912	109177
I	43m N	Tanks	1988	130467
I	43m N	Tanks	1992	130467
A	44m E	Tanks	1912	104467
I	45m N	Tanks	1988	138608
I	45m N	Tanks	1992	138608
I	45m N	Tanks	1961	127069
I	45m N	Tanks	1977	127069
A	46m S	Tanks	1961	104483
A	47m E	Tanks	1912	104469
E	49m W	Tanks	1912	137818
A	50m E	Tanks	1912	104470
A	51m NE	Tanks	1961	104488
I	51m N	Unspecified Tank	1988	147767
I	51m N	Unspecified Tank	1992	147767
A	52m E	Tanks	1912	104468



ID	Location	Land Use	Date	Group ID
I	53m N	Unspecified Tank	1961	147767
I	53m N	Unspecified Tank	1977	147767
E	53m W	Tanks	1899	137818
A	53m S	Unspecified Tank	1961	109181
A	59m E	Tanks	1988	135031
A	59m E	Tanks	1992	129192
E	61m W	Unspecified Tank	1875	141272
E	61m W	Unspecified Tank	1875	141272
A	61m E	Tanks	1961	133437
A	61m E	Tanks	1977	130287
A	63m E	Unspecified Tank	1988	142580
A	63m E	Unspecified Tank	1992	122414
A	65m SE	Unspecified Tank	1961	109173
A	65m E	Unspecified Tank	1961	137795
A	65m E	Unspecified Tank	1977	134009
A	66m E	Unspecified Tank	1912	109172
A	66m S	Tanks	1961	143607
A	66m S	Tanks	1977	143607
A	67m S	Tanks	1961	104486
A	79m E	Tanks	1961	104464
A	80m E	Tanks	1961	104463
A	80m SE	Tanks	1961	104471
A	81m NE	Unspecified Tank	1961	109183
A	82m E	Unspecified Tank	1961	109166
E	85m W	Unspecified Tank	1875	126857
E	85m W	Unspecified Tank	1875	126857
E	85m W	Unspecified Tank	1899	126857
A	89m E	Tanks	1988	147272



ID	Location	Land Use	Date	Group ID
A	89m E	Tanks	1992	147272
A	90m E	Tanks	1988	130524
A	90m E	Tanks	1992	130524
A	91m E	Tanks	1961	147272
A	91m E	Tanks	1977	147272
A	92m E	Tanks	1961	130524
A	92m E	Tanks	1977	130524
A	93m E	Tanks	1988	147935
A	93m E	Tanks	1992	147935
A	95m E	Tanks	1961	147935
A	95m E	Tanks	1977	147935
A	98m SE	Tanks	1961	104472
A	98m E	Unspecified Tank	1988	142058
A	98m E	Unspecified Tank	1992	142058
A	98m E	Tanks	1961	104465
A	100m E	Unspecified Tank	1961	142058
A	100m E	Unspecified Tank	1961	109167
A	100m E	Unspecified Tank	1977	142058
A	100m E	Unspecified Tank	1961	109169
A	101m SE	Unspecified Tank	1988	124767
A	101m SE	Unspecified Tank	1992	124767
A	102m E	Unspecified Tank	1961	109165
A	103m SE	Unspecified Tank	1961	124767
A	103m SE	Unspecified Tank	1977	124767
A	109m E	Unspecified Tank	1988	143188
A	109m E	Unspecified Tank	1992	143188
A	111m E	Unspecified Tank	1961	143188
A	111m E	Unspecified Tank	1977	143188



ID	Location	Land Use	Date	Group ID
A	114m SE	Tanks	1961	104474
O	118m NE	Tanks	1988	124961
O	118m NE	Tanks	1992	124961
A	119m SE	Unspecified Tank	1961	109170
O	120m NE	Tanks	1961	124961
O	120m NE	Tanks	1977	124961
A	122m SE	Tanks	1961	104473
A	123m SE	Unspecified Tank	1961	109171
A	128m SE	Unspecified Tank	1961	109168
A	131m E	Tanks	1988	133082
A	131m E	Tanks	1992	133082
A	133m E	Tanks	1961	133082
A	133m E	Tanks	1977	133082
K	150m SW	Tanks	1961	128397
K	150m SW	Tanks	1977	128397
K	150m SW	Tanks	1992	140406
K	152m SW	Tanks	1988	128397
K	171m SW	Tanks	1992	129708
S	174m NE	Unspecified Tank	1873	109476
I	180m NE	Gas Works	1875	122657
I	180m NE	Gas Works	1875	147794
I	180m NE	Gas Works	1899	122657
I	180m NE	Gas Works	1912	122657
I	186m NE	Gas Works	1873	147794
I	187m NE	Gas Works	1899	149260
I	188m NE	Gas Works	1912	147794
I	189m E	Unspecified Tank	1988	141881
I	189m E	Unspecified Tank	1992	142129



ID	Location	Land Use	Date	Group ID
I	191m E	Unspecified Tank	1961	148801
I	191m E	Unspecified Tank	1977	136098
I	195m NE	Gasometers	1899	135156
I	195m NE	Gasometers	1912	135156
I	201m NE	Tanks	1988	138653
I	201m NE	Tanks	1992	138653
I	203m NE	Tanks	1961	138653
I	203m NE	Tanks	1977	138653
K	208m SW	Tanks	1992	141390
I	208m NE	Gasometer	1875	138514
I	208m NE	Gasometer	1875	138514
K	228m SW	Tanks	1961	104489
K	231m SW	Unspecified Tank	1992	109188
K	253m SW	Unspecified Tank	1992	109190
K	269m SW	Unspecified Tank	1961	148436
K	270m SW	Unspecified Tank	1992	148436
K	274m SW	Unspecified Tank	1992	109187
AE	294m SE	Tanks	1992	104490
AQ	455m NW	Tanks	1875	122324
AQ	455m NW	Tanks	1875	122324

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

19

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 40**



ID	Location	Land Use	Date	Group ID
Q	107m NW	Electricity Substation	1988	68985
Q	107m NW	Electricity Substation	1992	68985
I	180m NE	Gas Works	1875	69250
I	180m NE	Gas Works	1875	83328
I	180m NE	Gas Works	1899	69250
I	180m NE	Gas Works	1912	69250
I	186m NE	Gas Works	1873	83328
I	187m NE	Gas Works	1899	65063
I	188m NE	Gas Works	1912	83328
I	195m NE	Gasometers	1899	64534
I	195m NE	Gasometers	1912	64534
K	202m SW	Electricity Substation	1992	59940
I	208m NE	Gasometer	1875	64353
I	208m NE	Gasometer	1875	64353
BB	445m E	Electricity Substation	1994	68567
BB	445m E	Electricity Substation	-	59495
BB	447m E	Electricity Substation	1977	80046
BB	450m E	Electricity Substation	1978	67414
BB	450m E	Electricity Substation	1972	72515

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

6

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

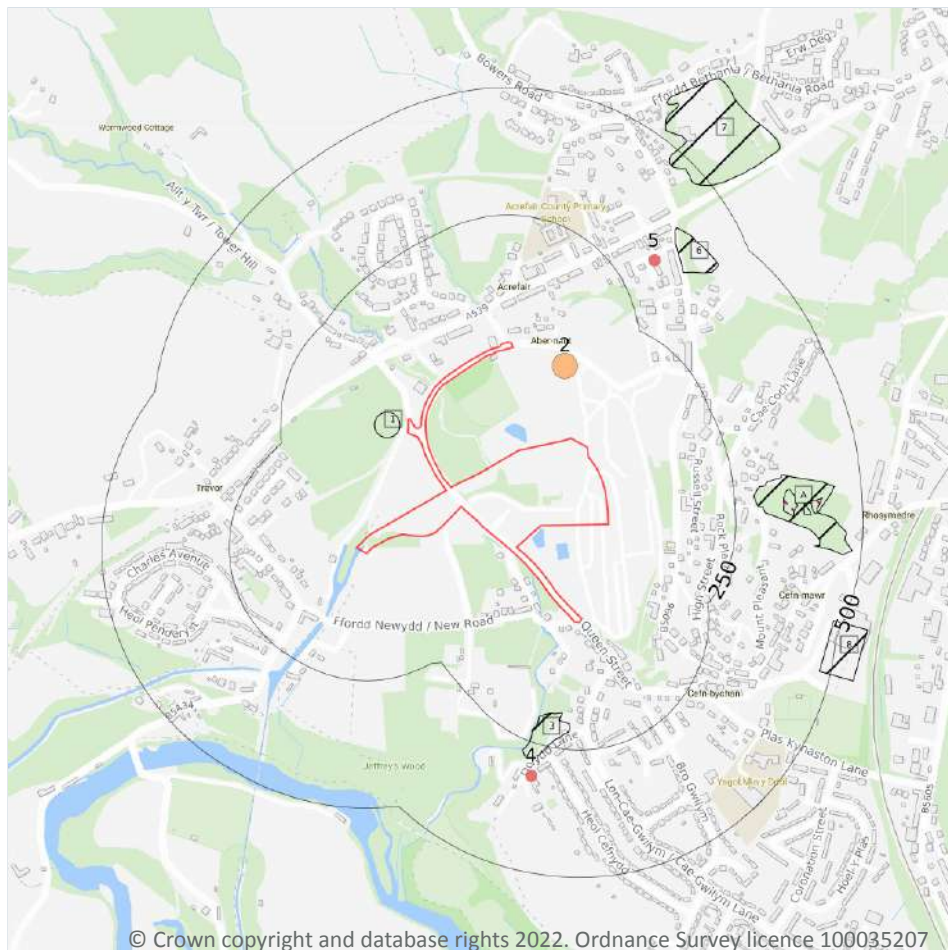
Features are displayed on the Past land use - un-grouped map on **page 40**

ID	Location	Land Use	Date	Group ID
W	223m NE	Garage	1977	24014
W	226m NE	Garage	1991	27549
W	226m NE	Garage	1991	27549
W	226m NE	Garage	1992	27549
W	236m NE	Garage	1994	22714
AR	455m E	Garage	1960	19927

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

6

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

Features are displayed on the Waste and landfill map on **page 74**

ID	Location	Site address	Source	Data type
A	344m E	Refuse Tips	1960 mapping	Polygon
A	344m E	Refuse Tips	1960 mapping	Polygon
A	385m E	Refuse Tips	1960 mapping	Polygon
A	385m E	Refuse Tips	1960 mapping	Polygon
A	398m E	Refuse Tips	1960 mapping	Polygon
A	398m E	Refuse Tips	1960 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

6

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 74**

ID	Location	Details		
1	16m W	Site Address: Edwards Brickyard Licence Holder Address: -	Waste Licence: Yes Site Reference: - Waste Type: Inert, Industrial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: J C Edward First Recorded 31/12/1987 Last Recorded: 31/12/1995



ID	Location	Details		
3	180m S	Site Address: Cestria Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 31/12/1990 Last Recorded: 31/12/1994
A	287m E	Site Address: Rhosmedre Quarry Licence Holder Address: -	Waste Licence: Yes Site Reference: L17 Waste Type: Industrial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 31/12/1977 Licence Surrender: 30/04/1994	Operator: - Licence Holder: Monsanto Plc First Recorded - Last Recorded: -
6	365m E	Site Address: Air Products Licence Holder Address: -	Waste Licence: Yes Site Reference: WMBC L/8, WMBC L/58 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/09/1977 Licence Surrender: 30/04/1993	Operator: - Licence Holder: Air Products UK Limited First Recorded 01/09/1977 Last Recorded: 31/12/1991
7	468m NE	Site Address: Air Products Social Club Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: Air Products United Kingdom Limited First Recorded 31/12/1950 Last Recorded: 31/12/1960
8	478m E	Site Address: Druids United FC Licence Holder Address: -	Waste Licence: Yes Site Reference: WMBC L/42 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 28/07/1983 Licence Surrender: 31/10/1983	Operator: - Licence Holder: Druids United Football Club First Recorded 01/03/1983 Last Recorded: 31/10/1983

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



3.5 Historical waste sites

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 74**

ID	Location	Address	Further Details	Date
2	83m E	Site Address: FlexysRubberChemical,RuabonWks, (Dupont Air Products Nano Mate, Cefn Mawr, WREXHAM, Clwyd, LL14	Type of Site: Waste Transfer Station Planning application reference: 00/2008/0287 Description: Scheme comprises hazardous substance consent for storage and use of 37 tonnes of substance classified as 'very toxic'. An application (ref: 00/2008/0287) for detailed planning permission was submitted to Denbighshire B.C. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m

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

2

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.

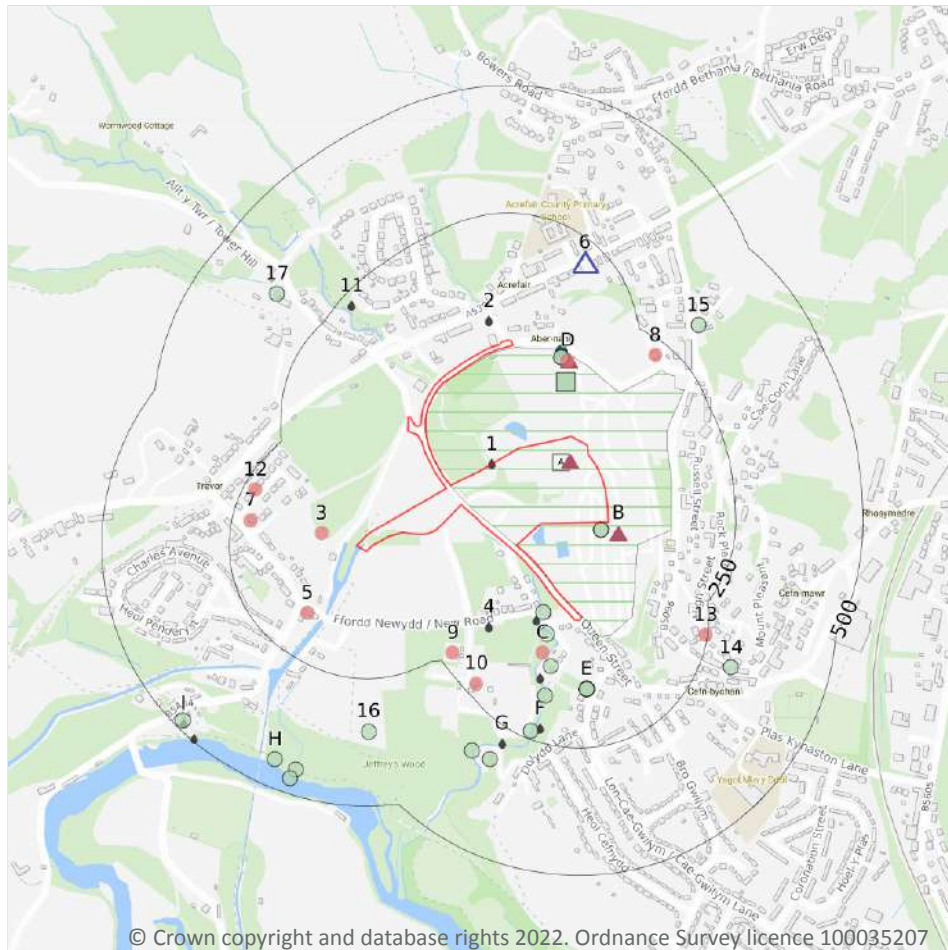
Features are displayed on the Waste and landfill map on **page 74**

ID	Location	Site	Reference	Category	Sub-Category	Description
4	314m S	Eastman Chemicals, Jefferies House, Cefn Mawr, Wrexham, LL14 3NF	NRW- WME002164	Using waste exemption	Waste Exemption - Non- Agricultural	Use of waste in construction
5	322m NE	Gower Homes, Caer Efail, Acrefair, Wrexham, Wrexham, LL143GB	NRW- WME005017	Using waste exemption	Not on a farm	Use of waste in construction

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Control of Major Accident Hazards
- ▲ 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

10

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Company	Address	Activity	Category
3	73m W	Shaft (Disused)	Clwyd, LL20	Unspecified Quarries Or Mines	Extractive Industries
C	89m SW	Shaft (Disused)	Clwyd, LL14	Unspecified Quarries Or Mines	Extractive Industries
D	111m E	SITA UK Ltd	Ruabon Works, Road From Llangollen Road to Flexsys Site, Acrefair, Clwyd, LL14	Recycling, Reclamation and Disposal	Recycling Services



ID	Location	Company	Address	Activity	Category
5	164m SW	Anglo Welsh Waterway Holidays	Station Road, Trevor, Llangollen, Clwyd, LL20 7TT	Boat Hiring Services	Hire Services
7	214m W	Signature Executive Travel	Erw Wen, Station Road, Trevor, Llangollen, Clwyd, LL20 7TP	Airlines and Airline Services	Transport, Storage and Delivery
8	221m NE	Revader Security Ltd	Unit 3, Rose Hill Enterprise Park, Cefn Mawr, Wrexham, Clwyd, LL14 3QA	Electronic Equipment	Industrial Products
9	223m SW	Electricity Sub Station	Clwyd, LL14	Electrical Features	Infrastructure and Facilities
10	226m SW	Works	Clwyd, LL14	Unspecified Works Or Factories	Industrial Features
12	227m NW	Spray 1	Cheddar 14, Wenfryn Close, Trevor, Llangollen, Clwyd, LL20 7TU	Industrial Coatings and Finishings	Industrial Products
13	246m E	W T E Printers	Printing Works, High Street, Cefn Mawr, Wrexham, Clwyd, LL14 3DA	Published Goods	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Company	Address	LPG	Status
6	211m NE	UK	A439, Acrefair, Wrexham, Wrexham, LL14 3RS	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.



4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

1

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

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Company	Address	Operational status	Tier
A	On site	Flexsys Rubber Chemicals Ltd	Flexsys Rubber Chemicals Ltd, Ruabon Works, Cefm Mawr, Wrexham, LL14 3SL	Historical COMAH Site	-

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

4

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 78**

ID	Location	Details	
A	On site	Application reference number: P/2008/0207 Application status: Withdrawn Application date: 28/02/2008 Address: Flexsys Rubber Chemicals Dupont Air Products Nano Materials Ltd, Ruabon Works, CEFN Mawr Wrexham	Details: Hazardous substances consent for storage and use of 37 tonnes of substance classified as 'very toxic' Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
B	29m SE	Application reference number: 6/0002/0627 Application status: Historical Consent Application date: 12/08/1992 Address: Monsanto Plc, Ruabon Works, Cefn, Mawr, Wrexham, Clwyd, LL14 3SL	Details: Deemed Hazardous Substance Consent 20627 Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
D	113m E	Application reference number: CB/1999/3736 Application status: Approved Application date: 11/10/1999 Address: Flexsys Rubber Chemicals Ltd, Ruabon Works, Cefn Mawr, Wrexham, Clwyd, Wales, LL14 3BH	Details: Deemed Hazardous Substance Consent. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
D	113m E	Application reference number: P/2001/0606 Application status: Withdrawn Application date: 27/06/2001 Address: Flexsys Rubber Chemicals Ltd, Nipa Tcc Plant, Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL	Details: Hazardous Substance Consent For The Storage And Use Of 12 Tonnes Of Substance Classified As 'very Toxic' 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

23

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 78**



ID	Location	Details	
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Combustion Processes Permit Number: AA2127	Original Permit Number: IPCAPP Date Approved: 2-4-1992 Effective Date: 2-4-1992 Status: Surrendered
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: AB5709	Original Permit Number: IPCAPP Date Approved: 3-3-1992 Effective Date: 3-3-1992 Status: Surrendered
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: AK5750	Original Permit Number: IPCAIRAPP Date Approved: 23-2-1994 Effective Date: 27-2-1994 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: AK5768	Original Permit Number: IPCAIRAPP Date Approved: 21-2-1994 Effective Date: 27-2-1994 Status: Superseded By Variation
D	96m E	Operator: Solutia UK Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: AK5776	Original Permit Number: IPCAIRAPP Date Approved: 16-2-1994 Effective Date: 22-2-1994 Status: Surrendered
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: AK5784	Original Permit Number: IPCAIRAPP Date Approved: 23-2-1994 Effective Date: 27-2-1994 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: AK5792	Original Permit Number: IPCAIRAPP Date Approved: 16-2-1994 Effective Date: 22-2-1994 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Processes Involving Halogens Permit Number: AL7618	Original Permit Number: IPCAIRAPP Date Approved: 1-6-1994 Effective Date: 3-6-1994 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Inorganic Chemical Processes Permit Number: AN9000	Original Permit Number: IPCAIRAPP Date Approved: 28-11-1994 Effective Date: 30-11-1994 Status: Superseded By Variation



ID	Location	Details	
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Inorganic Chemical Processes Permit Number: AY1242	Original Permit Number: IPCMAJVAR Date Approved: 2-7-1997 Effective Date: 6-7-1997 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: BC6756	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: BC6764	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: BC6772	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: BC6799	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Processes Involving Halogens Permit Number: BC7612	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Inorganic Chemical Processes Permit Number: BD8738	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: BH0810	Original Permit Number: IPCMAJVAR Date Approved: 31-8-2000 Effective Date: 1-9-2000 Status: Revoked - Now Ippc
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Processes Involving Halogens Permit Number: BJ0951	Original Permit Number: IPCMINVAR Date Approved: 31-8-2000 Effective Date: 1-9-2000 Status: Superseded By Variation



ID	Location	Details	
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Inorganic Chemical Processes Permit Number: BJ5198	Original Permit Number: IPCMINVAR Date Approved: 30-11-2000 Effective Date: 4-12-2000 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Processes Involving Halogens Permit Number: BJ8774	Original Permit Number: IPCMINVAR Date Approved: 21-5-2001 Effective Date: 25-5-2001 Status: Superseded By Variation
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Inorganic Chemical Processes Permit Number: BL5008	Original Permit Number: IPCMAJVAR Date Approved: 20-3-2003 Effective Date: 28-3-2003 Status: Revoked - Now Ippc
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Processes Involving Halogens Permit Number: BL6454	Original Permit Number: IPCMINVAR Date Approved: 31-8-2001 Effective Date: 3-9-2001 Status: Revoked - Now Ippc
D	96m E	Operator: Flexsys Rubber Chemicals Ltd Address: Ruabon Works, Cefn Mawr, Wrexham, Clwyd, LL14 3SL Process: Manufacture And Use Of Organic Chemicals Permit Number: BV4070	Original Permit Number: IPCMINVAR Date Approved: 6-8-2003 Effective Date: 11-8-2003 Status: Revoked - Now Ippc

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

61

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 78**

ID	Location	Details	
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: DP3134TV Original Permit Number: NP3335GR	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2010 Status: DETERMINATION



ID	Location	Details	
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3134TV Original Permit Number: NP3335GR	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2010 Status: DETERMINATION
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: DP3134TV Original Permit Number: NP3335GR	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2010 Status: DETERMINATION
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: - Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BQ4173 Original Permit Number: BQ4173	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EPR/NP3335GR/V007 Process: CREATED BY IED - DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: NP3531ZH Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 25/03/2013 Effective Date: 25/03/2013 Last date noted as effective: 01/07/2013 Status: EFFECTIVE
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS EAEPRBV2689IEV003 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: KP3536KS Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 07/05/2010 Effective Date: 07/05/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS EAEPRBV2689IEV003 Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: KP3536KS Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 07/05/2010 Effective Date: 07/05/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS EPR/BV2689IE/V005 Process: ASSOCIATED PROCESS Permit Number: UP3731ZY Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 22/03/2013 Effective Date: 22/03/2013 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS EPR/BV2689IE/V005 Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: UP3731ZY Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 22/03/2013 Effective Date: 22/03/2013 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS EPR/BV2689IE/V005 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: UP3731ZY Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 22/03/2013 Effective Date: 22/03/2013 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS Process: ASSOCIATED PROCESS Permit Number: UP3838AC Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 14/07/2015 Effective Date: 14/07/2015 Last date noted as effective: 17/11/2015 Status: SURRENDER EFFECTIVE
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: UP3838AC Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 14/07/2015 Effective Date: 14/07/2015 Last date noted as effective: 17/11/2015 Status: SURRENDER EFFECTIVE
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: UP3838AC Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 14/07/2015 Effective Date: 14/07/2015 Last date noted as effective: 17/11/2015 Status: SURRENDER EFFECTIVE



ID	Location	Details	
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: NP3335GR Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 23/12/2008 Effective Date: 23/12/2008 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: NP3335GR Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 23/12/2008 Effective Date: 23/12/2008 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: NP3335GR Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 23/12/2008 Effective Date: 23/12/2008 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: NP3437CY Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 26/10/2012 Effective Date: 26/10/2012 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: NP3437CY Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 26/10/2012 Effective Date: 26/10/2012 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: NP3437CY Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 26/10/2012 Effective Date: 26/10/2012 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: NP3437CY Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 26/10/2012 Effective Date: 26/10/2012 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EPR/NP3335GR Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO- CHEMICAL TREATMENT Permit Number: NP3531ZH Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 25/03/2013 Effective Date: 25/03/2013 Last date noted as effective: 17/11/2015 Status: EFFECTIVE
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EPR/NP3335GR/V007 Process: - Permit Number: NP3335GR Original Permit Number: NP3531ZH	EPR Reference: - Issue Date: 25/03/2013 Effective Date: 25/03/2013 Last date noted as effective: 01/12/2016 Status: EFFECTIVE
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LTD Installation Name: - Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: BV2689 Original Permit Number: BV2689	EPR Reference: - Issue Date: 13/04/2004 Effective Date: 13/04/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: DP3134TV Original Permit Number: NP3335GR	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2010 Status: DETERMINATION
D	96m E	Operator: CLARIANT UK LTD Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BV1950 Original Permit Number: BV1950	EPR Reference: - Issue Date: 13/04/2004 Effective Date: 13/04/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: DP3232MG Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 24/05/2007 Effective Date: 24/05/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: EP3738GP Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 19/01/2009 Effective Date: 19/01/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: EP3738GP Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 19/01/2009 Effective Date: 19/01/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: EP3738GP Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 19/01/2009 Effective Date: 19/01/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: EP3738GP Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 19/01/2009 Effective Date: 19/01/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: YP3534TY Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 03/11/2010 Effective Date: 03/11/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: YP3534TY Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 03/11/2010 Effective Date: 03/11/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: YP3534TY Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 03/11/2010 Effective Date: 03/11/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: YP3534TY Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 03/11/2010 Effective Date: 03/11/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/BQ4173IK/V005 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BQ4173IK Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 13/04/2004 Effective Date: 13/04/2004 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: DP3232MG Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 24/05/2007 Effective Date: 24/05/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: DP3232MG Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 24/05/2007 Effective Date: 24/05/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: FLEXSYS RUBBER CHEMICALS LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3232MG Original Permit Number: BQ4173IK	EPR Reference: - Issue Date: 24/05/2007 Effective Date: 24/05/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: NP3335GR Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 23/12/2008 Effective Date: 23/12/2008 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS Process: DISPOSAL OF NON-HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 50 TONNES PER DAY (OR ... Permit Number: NP3335GR Original Permit Number: NP3531ZH	EPR Reference: - Issue Date: 28/11/2017 Effective Date: 28/11/2017 Last date noted as effective: 01/04/2018 Status: EFFECTIVE



ID	Location	Details	
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS EA/EPR/BV2689IEV003 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: TP3836KW Original Permit Number: FP3939KF	EPR Reference: - Issue Date: 15/06/2010 Effective Date: 15/06/2010 Last date noted as effective: 17/11/2015 Status: REVOKED
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: YP3931MV Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 06/06/2007 Effective Date: 06/06/2007 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: BV2689IE Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 13/04/2004 Effective Date: 13/04/2004 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: FP3939KF Original Permit Number: FP3939KF	EPR Reference: - Issue Date: 31/08/2009 Effective Date: 31/08/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: FP3939KF Original Permit Number: FP3939KF	EPR Reference: - Issue Date: 31/08/2009 Effective Date: 31/08/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: FP3939KF Original Permit Number: FP3939KF	EPR Reference: - Issue Date: 31/08/2009 Effective Date: 31/08/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: FP3939KF Original Permit Number: FP3939KF	EPR Reference: - Issue Date: 31/08/2009 Effective Date: 31/08/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS EAEPRBV2689IEV003 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: GP3539KM Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 01/09/2009 Effective Date: 01/09/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: DUPONT AIR PRODUCTS NANOMATERIALS LIMITED Installation Name: RUABON CHEMICAL WORKS EAEPRBV2689IEV003 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: TP3836KW Original Permit Number: FP3939KF	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 06/01/2010 Status: DETERMINATION
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: EP3035TW Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 01/04/2010 Effective Date: 01/04/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: EP3035TW Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 01/04/2010 Effective Date: 01/04/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: EP3035TW Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 01/04/2010 Effective Date: 01/04/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: EP3035TW Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 01/04/2010 Effective Date: 01/04/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: INORGANIC CHEMICALS; NON METALS ETC EG CALCIUM CARBIDE Permit Number: FP3439KB Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 31/08/2009 Effective Date: 31/08/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: FP3439KB Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 31/08/2009 Effective Date: 31/08/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: FP3439KB Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 31/08/2009 Effective Date: 31/08/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS EA/EPR/NP3335GR/T001 Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: FP3439KB Original Permit Number: NP3335GR	EPR Reference: - Issue Date: 31/08/2009 Effective Date: 31/08/2009 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: AIR PRODUCTS ELECTRONICS ADVANCED MATERIALS EUROPE LIMITED Installation Name: RUABON CHEMICAL WORKS Process: CREATED BY IED - DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: UP3731ZY Original Permit Number: BV2689IE	EPR Reference: - Issue Date: 22/03/2013 Effective Date: 22/03/2013 Last date noted as effective: 01/07/2013 Status: EFFECTIVE



ID	Location	Details	
D	96m E	Operator: CLARIANT UK LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BV1950IQ Original Permit Number: BV1950IQ	EPR Reference: - Issue Date: 13/04/2004 Effective Date: 13/04/2004 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
D	96m E	Operator: CLARIANT UK LTD Installation Name: RUABON CHEMICAL WORKS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: CP3833XG Original Permit Number: BV1950IQ	EPR Reference: - Issue Date: 17/12/2008 Effective Date: 17/12/2008 Last date noted as effective: 17/11/2015 Status: SURRENDER EFFECTIVE
D	96m E	Operator: SOLUTIA UK LTD Installation Name: RUABON CHEMICAL WORKS Process: DISPOSAL OF NON-HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 50 TONNES PER DAY (OR 100 TONNES PER DAY IF THE ONLY WASTE TREATMENT ACTIVITY IS ANAEROBIC DIGESTION) INVOLVING ONE OR MORE OF THE FOLLOWING ACTIVITIES, AND EXCLUDING ACTIVITIES COVERED BY COUNCIL DIRECTIVE 91/271/EEC CONCERNING URBAN WASTE-WATER TREATMENT(4)—PHYSICO-CHEMICAL TREATMENT Permit Number: NP3335GR Original Permit Number: NP3531ZH	EPR Reference: - Issue Date: 28/07/2021 Effective Date: 28/07/2021 Last date noted as effective: 13/06/2022 Status: EFFECTIVE

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

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

Records within 500m

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 78**

ID	Location	Address	Details	
D	95m E	Flexsys Rubber Chemicals Ltd, Dupont Air Products, Nanomaterials Limited, Clariant UK Ltd, Ruabon Chemical Works, Ruabon Works, Cefn Mawr, Wrexham, LL14 3SL	Process: Use of Organic Chemicals; Chemical & Acid Processes Status: Historical Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of enforcement: 30/03/2006 Comment: Wood processing

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 78**

ID	Location	Address	Details	
1	On site	Cefn Monsanto CSO, Nr Rubber Factory Aber-Nant, Cefn Mawr, Wrexham, LL14 3SN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CM0175201 Permit Version: 3 Receiving Water: Tref y Nant Brook	Status: Effective Issue date: 17/12/2019 Effective Date: 17/12/2019 Revocation Date: -
2	47m NW	CEFN MONSANTO - SSO, LL14 3SN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CM0175201 Permit Version: 2 Receiving Water: TREF Y NANT BROOK	Status: Effective Issue date: 08/09/2010 Effective Date: 08/09/2010 Revocation Date: -
C	55m SW	Trefor Isaf - CSO, Mill Lane, Trefor Isaf, Cefn Mawr, LL14 3NP	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CM0172401 Permit Version: 4 Receiving Water: Tref y Nant Brook	Status: Effective Issue date: 21/10/2019 Effective Date: 21/10/2019 Revocation Date: -
C	132m SW	CEFN PS, LL14 3NH	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: CM0191101 Permit Version: 2 Receiving Water: Tref y Nant Brook	Status: Effective Issue date: 08/09/2010 Effective Date: 08/09/2010 Revocation Date: -



ID	Location	Address	Details	
4	136m SW	TREFOR ISAF - SSO	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CM0172401 Permit Version: 3 Receiving Water: TREF Y NANT	Status: Effective Issue date: 14/09/2006 Effective Date: 14/09/2006 Revocation Date: -
F	223m S	CEFN MAWR - MONSANTO PLC RUABO	Effluent Type: UNSPECIFIED Permit Number: CM0041901 Permit Version: 1 Receiving Water: TREFYNANT BROOK	Status: REVOKED AND REPLACED BY IPC AUTHORISATION Issue date: 24/05/1967 Effective Date: 24/05/1967 Revocation Date: 16/05/1995
11	226m NW	TREFYNANT PARK TREFOR NEAR WREXHAM, TREFYNANT PARK TREFOR NEAR WREX, TREFOR NEAR WREXHAM, NEAR WREXHAM	Effluent Type: UNSPECIFIED Permit Number: CM0084501 Permit Version: 1 Receiving Water: TREFYNANT BROOK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 08/01/1979 Effective Date: 08/01/1979 Revocation Date: 06/01/1993
G	281m SW	PANT DEDWYDD, DOLYDD LANE, Cefn Mawr, Wrexham, LL14 3NF	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: RP3923GX Permit Version: 1 Receiving Water: TREFY NANT BROOK	Status: Effective Issue date: 07/03/2012 Effective Date: 07/03/2012 Revocation Date: -
I	487m SW	3 4 & 5 JEFFRIES TERRACE PONTCYSYL, 3 4 & 5 JEFFRIES TERRACE PONTCY, PONTCYSYLLTE NEAR LLANGOLLEN, NEAR LLANGOLLEN	Effluent Type: UNSPECIFIED Permit Number: CM0180801 Permit Version: 1 Receiving Water: LAND	Status: REVOKED - UNSPECIFIED Issue date: 12/04/1989 Effective Date: 12/04/1989 Revocation Date: 20/04/1994
I	496m SW	PONTCYSYLLTE JEFFREY'S TERRACE HOUS, PONTCYSYLLTE JEFFREY'S TERRACE H, JEFFREY'S TERRACE HOUSE, HOUSE	Effluent Type: UNSPECIFIED Permit Number: CM0057201 Permit Version: 1 Receiving Water: DEE	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 22/05/1969 Effective Date: 22/05/1969 Revocation Date: 19/07/1996

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m

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

1

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

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Name	Status	Receiving Water	Authorised Substances
D	107m N	Flexsys Rubber Chemicals Ltd, Ruabon Works	Not Active	-	Iron, Zinc, Toluene, Xylene

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

25

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 78**

ID	Location	Details	
B	15m S	Incident Date: 07/09/2002 Incident Identification: 106093 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
B	15m S	Incident Date: 07/09/2002 Incident Identification: 106093 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	35m SW	Incident Date: 01/09/2014 Incident Identification: 1273188 Pollutant: Sewage Materials Pollutant Description: Other Sewage Material	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	58m SW	Incident Date: 22/09/2002 Incident Identification: 109679 Pollutant: Contaminated Water Pollutant Description: Chemically Contaminated Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	97m E	Incident Date: 12/03/2003 Incident Identification: 142687 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	97m E	Incident Date: 22/09/2002 Incident Identification: 109670 Pollutant: Organic Chemicals/Products Pollutant Description: Phenols and Creosote	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	102m SW	Incident Date: 08/02/2003 Incident Identification: 135716 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	134m S	Incident Date: 31/05/2002 Incident Identification: 82420 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	134m S	Incident Date: 04/06/2002 Incident Identification: 82825 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	134m S	Incident Date: 04/08/2002 Incident Identification: 97413 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	134m S	Incident Date: 06/09/2002 Incident Identification: 105986 Pollutant: Organic Chemicals/Products Pollutant Description: Solvents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
E	134m S	Incident Date: 30/01/2002 Incident Identification: 55343 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	134m S	Incident Date: 30/06/2002 Incident Identification: 88340 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	159m S	Incident Date: 30/04/2013 Incident Identification: 1107984 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	233m S	Incident Date: 12/03/2003 Incident Identification: 142565 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
14	309m E	Incident Date: 15/07/2003 Incident Identification: 173975 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
G	320m SW	Incident Date: 17/06/2001 Incident Identification: 9738 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
15	321m NE	Incident Date: 19/08/2003 Incident Identification: 183334 Pollutant: Organic Chemicals/Products Pollutant Description: Solvents	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
G	325m SW	Incident Date: 20/05/2014 Incident Identification: 1237259 Pollutant: Contaminated Water Pollutant Description: Suspended Solids	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
16	353m S	Incident Date: 03/12/2002 Incident Identification: 124435 Pollutant: Sewage Materials Pollutant Description: Final Effluent	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
17	353m NW	Incident Date: 18/06/2015 Incident Identification: 1346512 Pollutant: Contaminated Water Pollutant Description: Suspended Solids	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
H	445m SW	Incident Date: 29/01/2003 Incident Identification: 133963 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
H	450m S	Incident Date: 30/07/2002 Incident Identification: 95647 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	469m S	Incident Date: 08/05/2001 Incident Identification: 4870 Pollutant: Other Pollutant Pollutant Description: Natural Ochre	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	483m SW	Incident Date: 29/08/2002 Incident Identification: 104017 Pollutant: Sewage Materials Pollutant Description: Grey Water	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
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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
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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

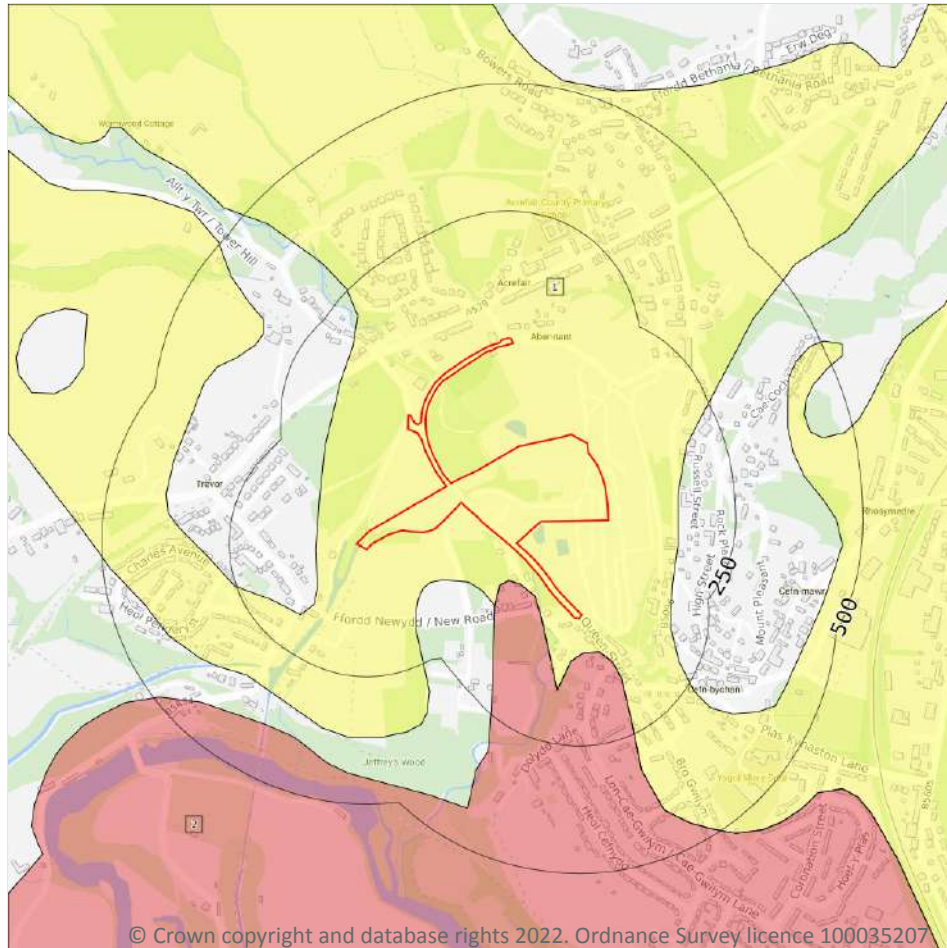
0

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.

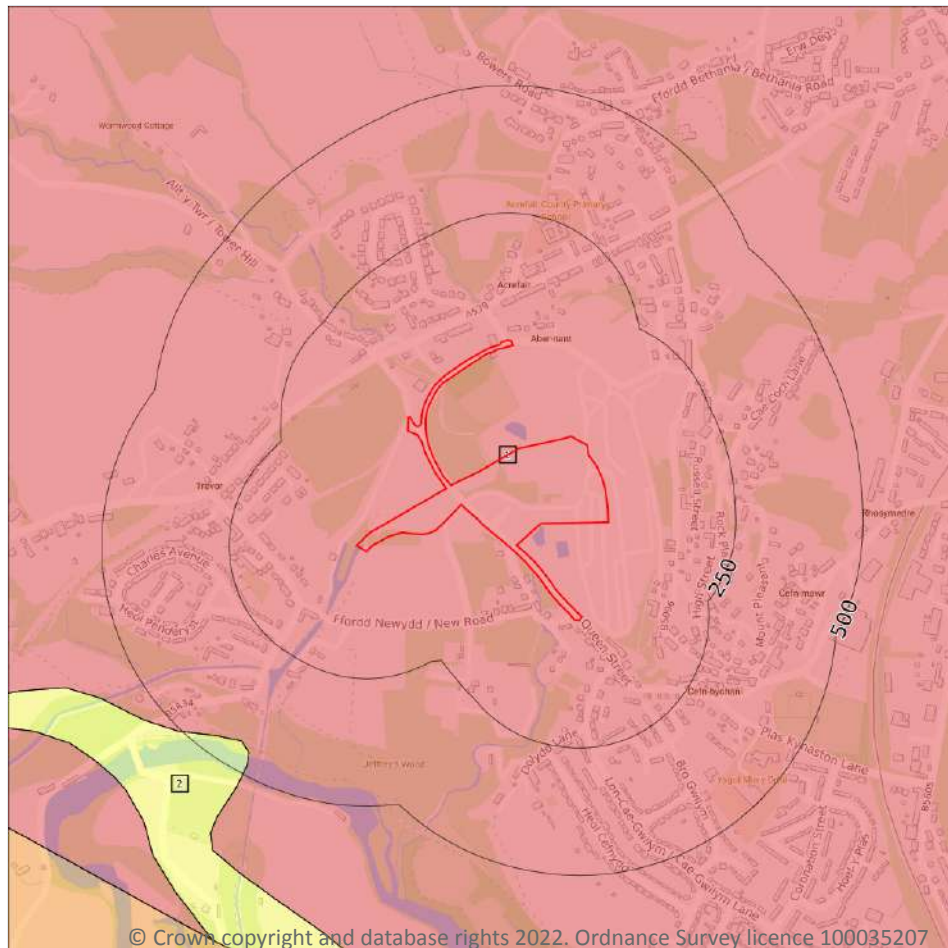
Features are displayed on the Hydrogeology map on **page 102**

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	30m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 104**

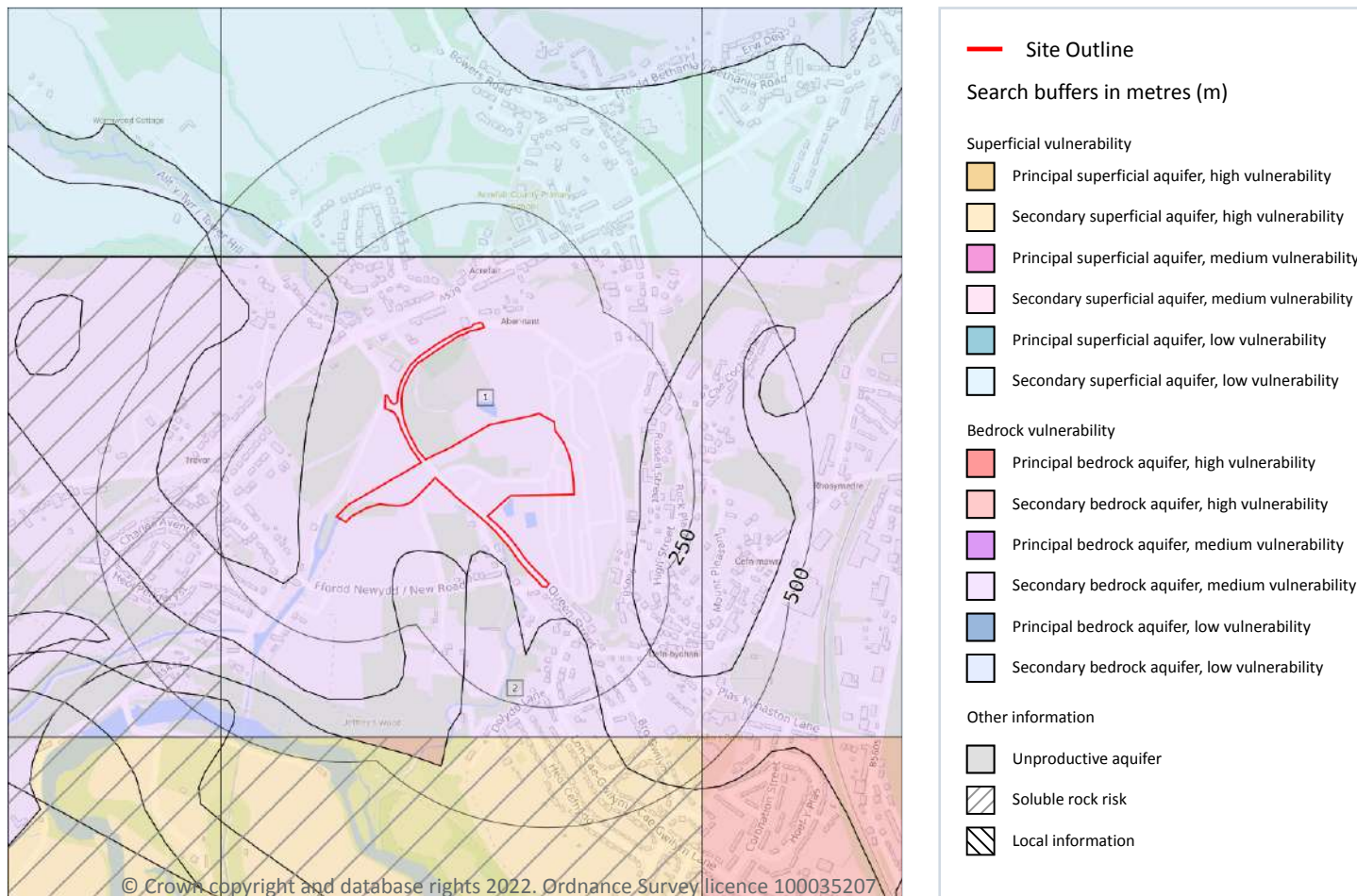
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	445m SW	Secondary (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.



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 106**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
2	29m SW	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Low	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

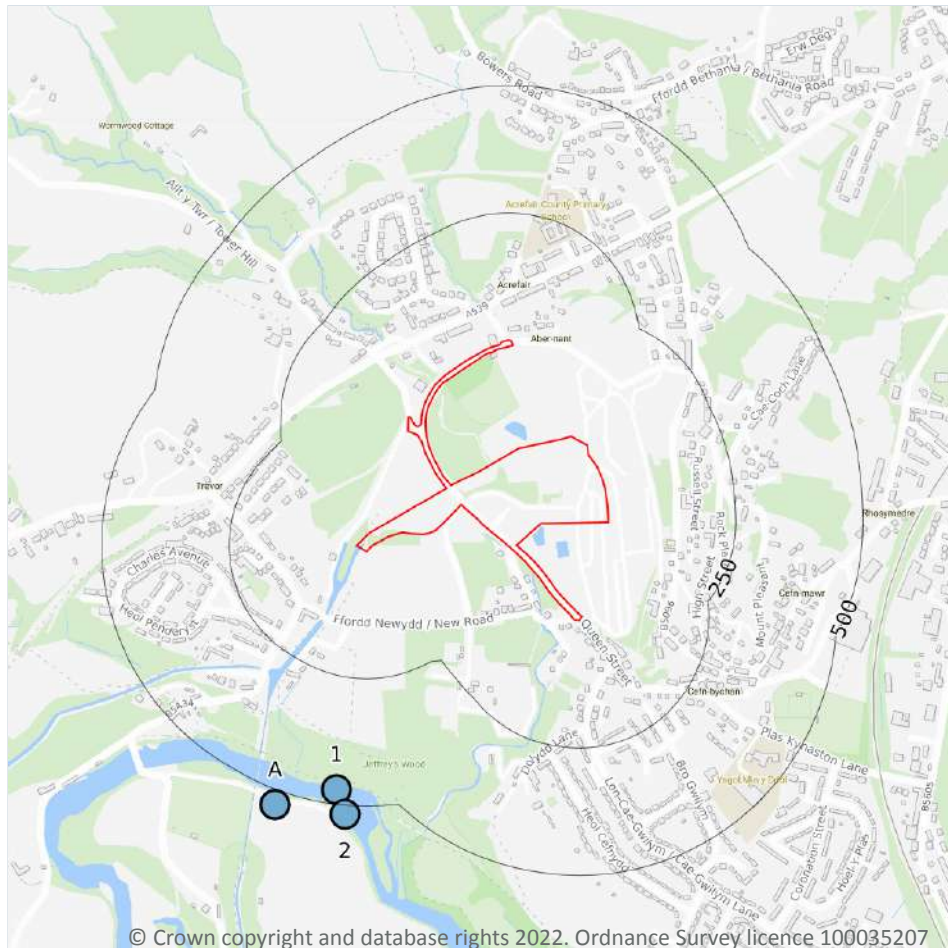
0

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
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

1

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 108**

ID	Location	Details	
-	1681m NW	Status: Historical Licence No: 24/67/5/0009 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL Data Type: Point Name: Philips Easting: 326830 Northing: 344390	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 09/08/1966 Expiry Date: - Issue No: 100 Version Start Date: 09/08/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

9

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 108**

ID	Location	Details	
1	471m S	Status: Historical Licence No: 24/67/5/0017 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: EAW Surface Water Point: RIVER DEE AT PONTCYSYLLTE Data Type: Point Name: Solutia UK Limited Easting: 327200 Northing: 341980	Annual Volume (m ³): 2,727,600 Max Daily Volume (m ³): 7728.2 Original Application No: - Original Start Date: 26/06/1967 Expiry Date: - Issue No: 102 Version Start Date: 21/12/2009 Version End Date: -
2	517m S	Status: Historical Licence No: 24/67/5/0057 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: EAW Surface Water Point: RIVER DEE AT PONTCYSYLLTE Data Type: Point Name: United Utilities Water Limited Easting: 327217 Northing: 341932	Annual Volume (m ³): 18,302,196 Max Daily Volume (m ³): 50006 Original Application No: - Original Start Date: 27/06/1978 Expiry Date: - Issue No: 104 Version Start Date: 12/11/2014 Version End Date: -



ID	Location	Details	
A	529m S	Status: Historical Licence No: 24/67/5/0057 Details: Transfer between Sources (Pre Water Act 2003) Direct Source: EAW Surface Water Point: RIVER DEE AT PONTCYSYLLTE Data Type: Point Name: United Utilities Water Limited Easting: 327080 Northing: 341950	Annual Volume (m ³): 18302196 Max Daily Volume (m ³): 50006 Original Application No: - Original Start Date: 27/06/1978 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2002 Version End Date: -
A	529m S	Status: Historical Licence No: 24/67/5/0057 Details: Potable Water Supply - Storage Direct Source: EAW Surface Water Point: RIVER DEE AT PONTCYSYLLTE Data Type: Point Name: United Utilities Water Limited Easting: 327080 Northing: 341950	Annual Volume (m ³): 18,302,196 Max Daily Volume (m ³): 50006 Original Application No: - Original Start Date: 27/06/1978 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2006 Version End Date: -
-	1141m W	Status: Historical Licence No: 24/67/5/0004 Details: Potable Water Supply - Direct Direct Source: EAW Surface Water Point: OEROG SPRINGS, TREVOR Data Type: Point Name: Dee Valley Water Plc Easting: 326160 Northing: 342090	Annual Volume (m ³): 1,163,776 Max Daily Volume (m ³): 341 Original Application No: - Original Start Date: 17/10/2001 Expiry Date: - Issue No: 101 Version Start Date: 17/10/2001 Version End Date: -
-	1154m W	Status: Active Licence No: 24/67/5/0004 Details: Potable Water Supply - Direct - Medium Direct Source: Groundwater fed spring Point: - Data Type: Point Name: - Easting: 326160 Northing: 342050	Annual Volume (m ³): 1,163,776 Max Daily Volume (m ³): 4,080 Original Application No: - Original Start Date: Dec 5 2018 12:00AM Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1260m NW	Status: Historical Licence No: 24/67/5/0002 Details: Potable Water Supply - Direct Direct Source: EAW Surface Water Point: TREFNANT BROOK Data Type: Point Name: Dee Valley Water Plc Easting: 326320 Northing: 343450	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 05/07/1966 Version End Date: -

ID	Location	Details	
-	1613m W	Status: Historical Licence No: 24/67/5/0027 Details: General Farming & Domestic Direct Source: EAW Surface Water Point: SPRING Data Type: Point Name: Trevor Tower Estate Easting: 325810 Northing: 343220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/10/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/07/1973 Version End Date: -
-	1988m W	Status: Historical Licence No: 24/67/5/0026 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING Data Type: Point Name: Trevor Tower Estate Easting: 325260 Northing: 342270	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/10/1967 Expiry Date: - Issue No: 100 Version Start Date: 23/10/1967 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

5

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 108**

ID	Location	Details	
A	529m S	Status: Historical Licence No: 24/67/5/0057 Details: Potable Water Supply - Storage Direct Source: EAW Surface Water Point: RIVER DEE AT PONTCYSYLLTE Data Type: Point Name: United Utilities Water Limited Easting: 327080 Northing: 341950	Annual Volume (m ³): 18,302,196 Max Daily Volume (m ³): 50006 Original Application No: - Original Start Date: 27/06/1978 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2006 Version End Date: -



ID	Location	Details	
-	1141m W	Status: Historical Licence No: 24/67/5/0004 Details: Potable Water Supply - Direct Direct Source: EAW Surface Water Point: OEROG SPRINGS, TREVOR Data Type: Point Name: Dee Valley Water Plc Easting: 326160 Northing: 342090	Annual Volume (m ³): 1,163,776 Max Daily Volume (m ³): 341 Original Application No: - Original Start Date: 17/10/2001 Expiry Date: - Issue No: 101 Version Start Date: 17/10/2001 Version End Date: -
-	1154m W	Status: Active Licence No: 24/67/5/0004 Details: Potable Water Supply - Direct - Medium Direct Source: Groundwater fed spring Point: - Data Type: Point Name: - Easting: 326160 Northing: 342050	Annual Volume (m ³): 1,163,776 Max Daily Volume (m ³): 4,080 Original Application No: - Original Start Date: Dec 5 2018 12:00AM Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1260m NW	Status: Historical Licence No: 24/67/5/0002 Details: Potable Water Supply - Direct Direct Source: EAW Surface Water Point: TREFNANT BROOK Data Type: Point Name: Dee Valley Water Plc Easting: 326320 Northing: 343450	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 05/07/1966 Version End Date: -
-	1988m W	Status: Historical Licence No: 24/67/5/0026 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING Data Type: Point Name: Trevor Tower Estate Easting: 325260 Northing: 342270	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/10/1967 Expiry Date: - Issue No: 100 Version Start Date: 23/10/1967 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m

0

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

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

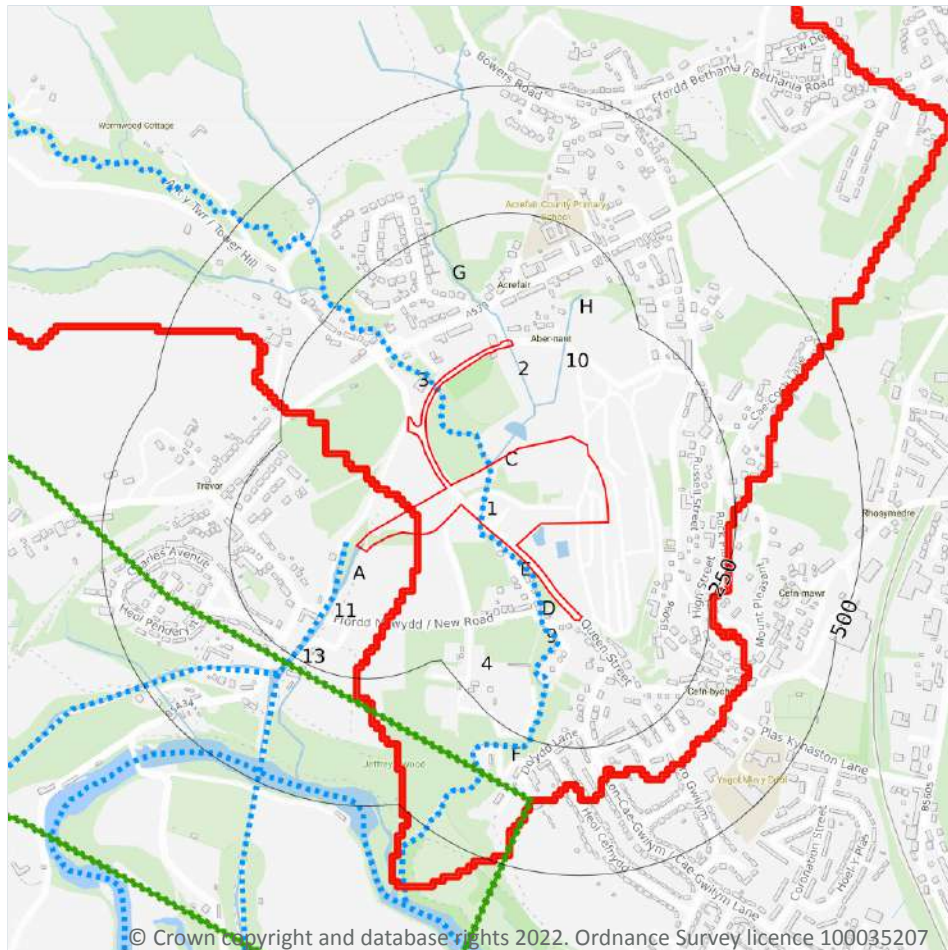
0

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

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



6 Hydrology



- 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

22

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 114**

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



ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tref-y-nant Brook
A	On site	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Llangollen Canal
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	5m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tref-y-nant Brook
E	5m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tref-y-nant Brook
E	7m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tref-y-nant Brook
E	8m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Tref-y-nant Brook
A	20m W	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Llangollen Canal
C	27m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	43m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	46m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	50m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tref-y-nant Brook



ID	Location	Type of water feature	Ground level	Permanence	Name
G	51m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	53m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tref-y-nant Brook
C	59m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
10	74m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
C	74m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	86m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Llangollen Canal
H	141m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
13	156m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Llangollen Canal

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

12

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 114**

This data is sourced from the Ordnance Survey.



6.3 WFD Surface water body catchments

Records on site	2
------------------------	----------

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

Features are displayed on the Hydrology map on **page 114**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
4	On site	River WB catchment	Dee - Ceiriog to Alwen	GB111067052060	Dee Middle Ceiriog to Alwen	Dee
B	On site	River WB catchment	Trefnant Brook	GB111067052010	Dee Middle Ceiriog to Alwen	Dee

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

6.4 WFD Surface water bodies

Records identified	3
---------------------------	----------

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 114**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
5	On site	River	Trefnant Brook	GB111067052010	Moderate	Good	Moderate	2016
7	21m W	Canal	Llangollen Canal	GB70910082	Moderate	Fail	Good	2019
18	479m S	River	Dee - Ceiriog to Alwen	GB111067052060	Moderate	Fail	Good	2016

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



6.5 WFD Groundwater bodies

Records on site

1

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

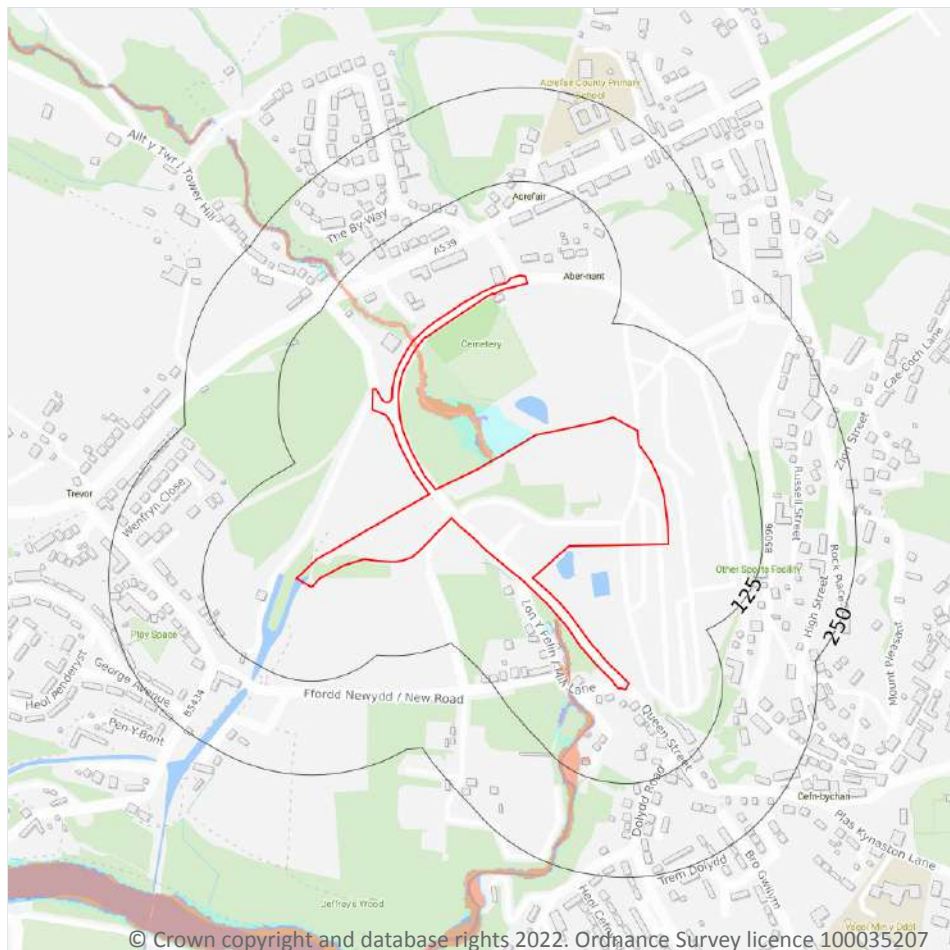
Features are displayed on the Hydrology map on **page 114**

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

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

84

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 119**

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

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

7.2 Historical Flood Events

Records within 250m	0
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Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

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

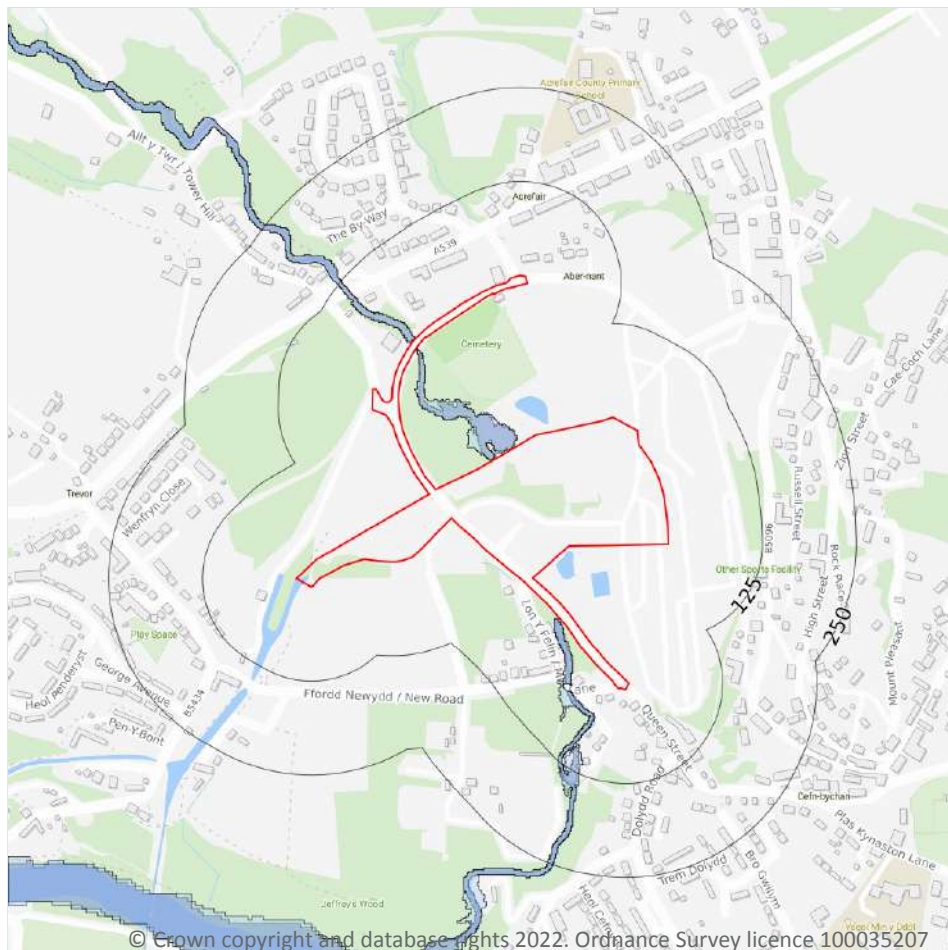
Records within 250m	0
----------------------------	----------

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



- 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 119**

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

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

7.7 Flood Zone 3

Records within 50m

1

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

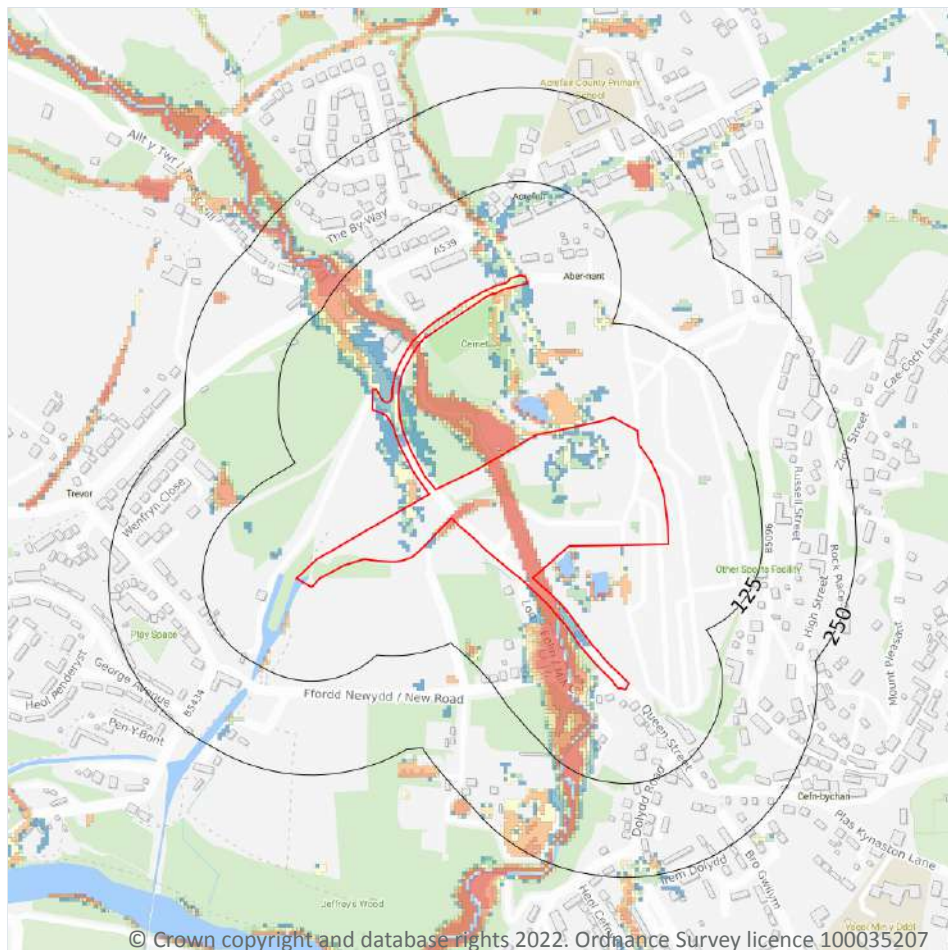
Features are displayed on the River and coastal flooding map on **page 119**

Location	Type
On site	Zone 3 - (Fluvial Models)

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

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

1 in 250 return period

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

1 in 100 return period

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

1 in 30 return period

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

8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

Features are displayed on the Surface water flooding map on **page 123**

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

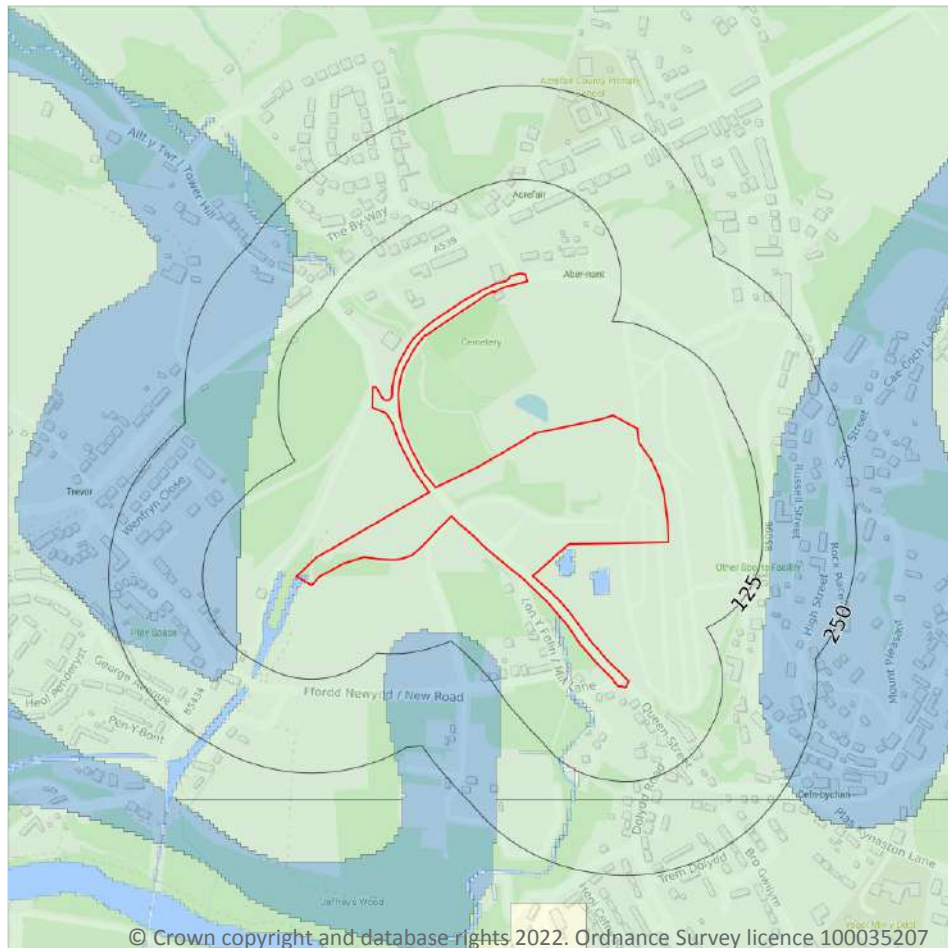
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

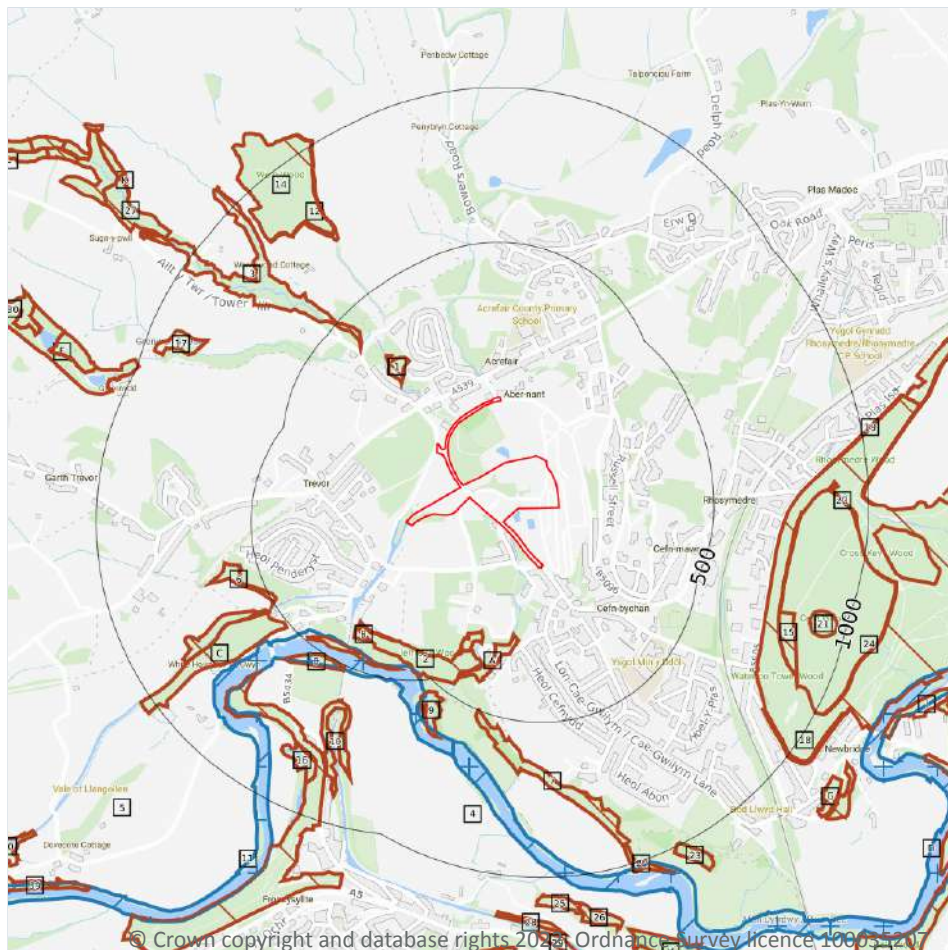
Low

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 125**

This data is sourced from Ambient Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on **page 126**

ID	Location	Name	Data source
5	439m SW	AFON DYFRDWY (RIVER DEE)	Natural Resources Wales



ID	Location	Name	Data source
D	618m SW	AFON DYFRDWY (RIVER DEE)	Natural Resources Wales

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

10.2 Conserved wetland sites (Ramsar sites)

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	3
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Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on **page 126**

ID	Location	Name	Features of interest	Habitat description	Data source
4	439m SW	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales

ID	Location	Name	Features of interest	Habitat description	Data source
-	1726m E	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales
-	1965m SE	River Dee and Bala Lake / Afon Dyfrdwy a Llyn Tegid (Wales)	Rivers with floating vegetation often dominated by water-crowfoot; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; Otter; Floating water-plantain.	Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Improved grassland; Inland water bodies (Standing water, Running water); Salt marshes, Salt pastures, Salt steppes	Natural Resources Wales

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

98

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 126**

ID	Location	Name	Woodland Type
1	216m NW	Unknown	Restored Ancient Woodland Site
A	232m S	Unknown	Restored Ancient Woodland Site
A	276m SW	Unknown	Restored Ancient Woodland Site
2	344m SW	Unknown	Restored Ancient Woodland Site
B	352m SW	Unknown	Restored Ancient Woodland Site
3	389m NW	Unknown	Restored Ancient Woodland Site
B	442m SW	Unknown	Ancient Semi Natural Woodland
6	486m SW	Unknown	Ancient Semi Natural Woodland
7	498m SW	Unknown	Restored Ancient Woodland Site
8	503m SW	Unknown	Ancient Semi Natural Woodland
C	510m SW	Unknown	Restored Ancient Woodland Site
9	521m SW	Unknown	Ancient Semi Natural Woodland
C	536m SW	Unknown	Ancient Semi Natural Woodland
10	608m S	Unknown	Ancient Semi Natural Woodland
11	678m SW	Unknown	Restored Ancient Woodland Site
12	701m NW	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
13	716m E	Unknown	Restored Ancient Woodland Site
14	721m NW	Unknown	Restored Ancient Woodland Site
15	760m E	Unknown	Ancient Semi Natural Woodland
16	792m SW	Unknown	Ancient Semi Natural Woodland
17	813m NW	Unknown	Restored Ancient Woodland Site
18	848m SE	Unknown	Restored Ancient Woodland Site
19	864m E	Unknown	Restored Ancient Woodland Site
20	871m E	Unknown	Restored Ancient Woodland Site
21	880m E	Unknown	Plantation on Ancient Woodland Site
22	933m S	Unknown	Ancient Woodland Site of Unknown Category
E	982m E	Unknown	Ancient Semi Natural Woodland
23	994m SE	Unknown	Restored Ancient Woodland Site
F	995m W	Unknown	Restored Ancient Woodland Site
24	1025m SE	Unknown	Plantation on Ancient Woodland Site
25	1056m S	Unknown	Restored Ancient Woodland Site
26	1091m S	Unknown	Ancient Semi Natural Woodland
27	1100m NW	Unknown	Restored Ancient Woodland Site
F	1118m NW	Unknown	Plantation on Ancient Woodland Site
28	1120m S	Unknown	Ancient Semi Natural Woodland
G	1157m SE	Unknown	Restored Ancient Woodland Site
E	1164m E	Unknown	Ancient Semi Natural Woodland
G	1172m SE	Unknown	Restored Ancient Woodland Site
29	1179m S	Unknown	Ancient Semi Natural Woodland
H	1202m S	Unknown	Restored Ancient Woodland Site
I	1229m SE	Unknown	Ancient Semi Natural Woodland
J	1231m S	Unknown	Restored Ancient Woodland Site
J	1232m S	Unknown	Restored Ancient Woodland Site
J	1242m S	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
H	1261m S	Unknown	Restored Ancient Woodland Site
K	1281m NW	Unknown	Restored Ancient Woodland Site
K	1320m NW	Unknown	Plantation on Ancient Woodland Site
-	1331m S	Unknown	Ancient Semi Natural Woodland
30	1332m NW	Unknown	Plantation on Ancient Woodland Site
K	1335m NW	Unknown	Plantation on Ancient Woodland Site
I	1353m E	Unknown	Restored Ancient Woodland Site
-	1355m W	Unknown	Plantation on Ancient Woodland Site
-	1366m S	Unknown	Ancient Semi Natural Woodland
-	1377m S	Unknown	Plantation on Ancient Woodland Site
33	1377m SE	Unknown	Restored Ancient Woodland Site
I	1384m E	Unknown	Ancient Woodland Site of Unknown Category
-	1401m S	Unknown	Restored Ancient Woodland Site
-	1421m S	Unknown	Restored Ancient Woodland Site
-	1440m W	Unknown	Restored Ancient Woodland Site
K	1454m NW	Unknown	Plantation on Ancient Woodland Site
-	1458m W	Unknown	Restored Ancient Woodland Site
K	1479m NW	Unknown	Restored Ancient Woodland Site
K	1510m NW	Unknown	Restored Ancient Woodland Site
K	1512m NW	Unknown	Plantation on Ancient Woodland Site
-	1512m E	Unknown	Restored Ancient Woodland Site
K	1543m NW	Unknown	Restored Ancient Woodland Site
-	1553m W	Unknown	Restored Ancient Woodland Site
D	1555m SE	Unknown	Ancient Semi Natural Woodland
39	1558m SW	Unknown	Ancient Semi Natural Woodland
L	1560m NW	Unknown	Plantation on Ancient Woodland Site
40	1563m SW	Unknown	Ancient Semi Natural Woodland
41	1573m SE	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
-	1574m S	Unknown	Ancient Semi Natural Woodland
D	1577m SE	Unknown	Plantation on Ancient Woodland Site
K	1582m NW	Unknown	Plantation on Ancient Woodland Site
K	1583m NW	Unknown	Restored Ancient Woodland Site
L	1608m NW	Unknown	Plantation on Ancient Woodland Site
-	1624m E	Unknown	Ancient Semi Natural Woodland
-	1687m W	Unknown	Ancient Semi Natural Woodland
-	1708m W	Unknown	Ancient Semi Natural Woodland
-	1709m NW	Unknown	Restored Ancient Woodland Site
-	1723m NW	Unknown	Plantation on Ancient Woodland Site
-	1734m NW	Unknown	Plantation on Ancient Woodland Site
-	1741m NW	Unknown	Restored Ancient Woodland Site
-	1741m NW	Unknown	Restored Ancient Woodland Site
-	1746m W	Unknown	Ancient Semi Natural Woodland
-	1762m S	Unknown	Ancient Semi Natural Woodland
-	1776m NW	Unknown	Plantation on Ancient Woodland Site
-	1802m SE	Unknown	Ancient Semi Natural Woodland
-	1804m W	Unknown	Restored Ancient Woodland Site
-	1804m SE	Unknown	Ancient Semi Natural Woodland
-	1836m E	Unknown	Ancient Semi Natural Woodland
-	1860m SW	Unknown	Restored Ancient Woodland Site
-	1878m NW	Unknown	Restored Ancient Woodland Site
-	1886m SW	Unknown	Ancient Semi Natural Woodland
-	1955m SE	Unknown	Restored Ancient Woodland Site
-	1966m E	Unknown	Plantation on Ancient Woodland Site
-	1971m E	Unknown	Plantation on Ancient Woodland Site

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



10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

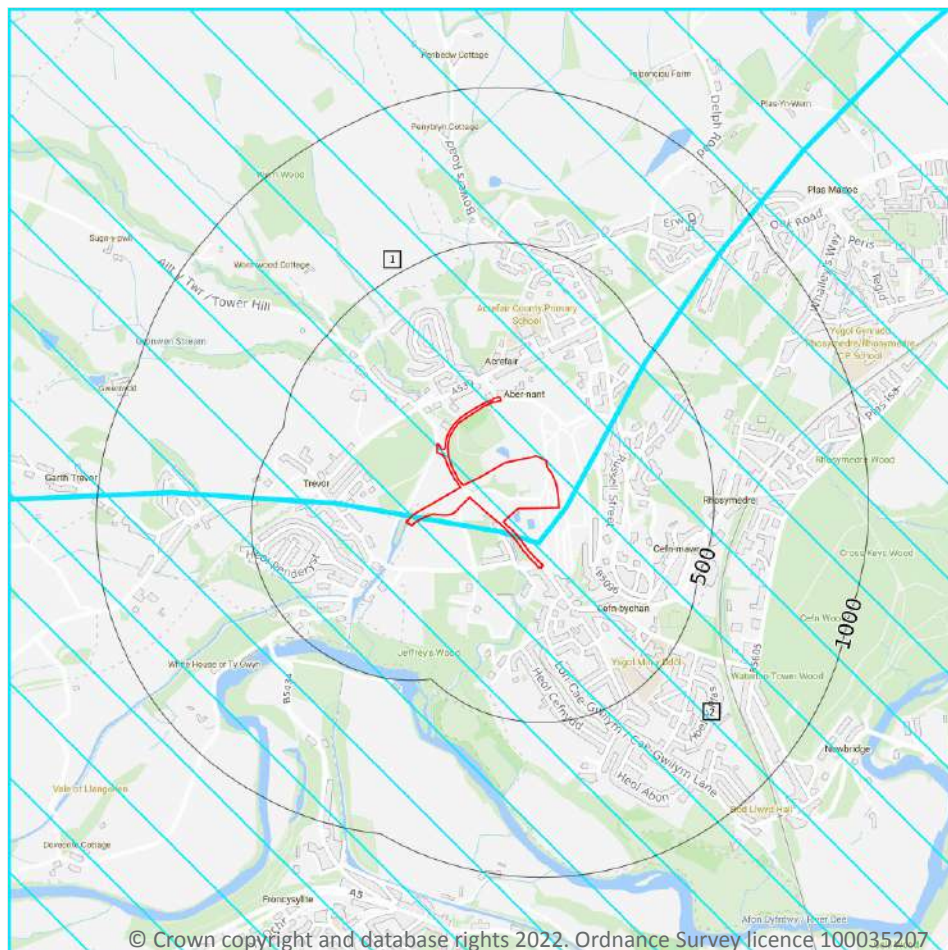
Records within 2000m**0**

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

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



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

2

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

Features are displayed on the SSSI Impact Zones and Units map on **page 135**

ID	Location	Type of developments requiring consultation
1	On site	Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m². Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.



ID	Location	Type of developments requiring consultation
2	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

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



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m

4

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

Features are displayed on the Visual and cultural designations map on **page 137**

ID	Location	Name	Data Source
1	On site	Pontcysyllte Aqueduct and Canal Buffer Zone	Historic England
3	On site	Pontcysyllte Aqueduct and Canal Essential Setting	CADW
A	On site	Pontcysyllte Aqueduct and Canal	Historic England



ID	Location	Name	Data Source
A	On site	Pontcysyllte Aqueduct and Canal	CADW

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	1
----------------------------	----------

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.

Features are displayed on the Visual and cultural designations map on **page 137**

ID	Location	NAME	Data Source
4	On site	BRYNIAU CLWYD A DYFFRYN DYFRDWY/CLWYDIAN RANGE AND DEE VALLEY	Natural Resources Wales

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	4
----------------------------	----------

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

Features are displayed on the Visual and cultural designations map on **page 137**



ID	Location	Name	Grade	Reference Number	Listed date
B	155m SW	Bridge next to Telford Inn, Situated near the terminus of the Ellesmere Canal (renamed Llangollen Canal, 1963) where it bifurcates into two dock areas.	II	19966	11/06/1998
B	161m SW	New Road (House next to Telford Inn), Situated next to Telford Inn.	II	19967	11/06/1998
B	164m SW	Telford Inn, Situated at the junction of Station Road and New Road, set back from, and at right angles to the Ellesmere Canal.	II	1306	24/11/1983
7	168m SW	Bryn Seion Presbyterian Chapel, Situated in centre of village and in prominent position parallel to road and facing downhill.	II	19968	11/06/1998

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

11.5 Conservation Areas

Records within 250m

2

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

Features are displayed on the Visual and cultural designations map on **page 137**

ID	Location	Name	District	Date of designation
5	On site	Pontcysyllte Aqueduct	WREXHAM	1998-07-06
6	53m SE	Cefn Mawr	WREXHAM	2004-12-14

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

11.6 Scheduled Ancient Monuments

Records within 250m

1

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



Features are displayed on the Visual and cultural designations map on **page 137**

ID	Location	Ancient monument name	Reference number
2	On site	Pontcysyllte Aqueduct and Canal	3128

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

11.7 Registered Parks and Gardens

Records within 250m

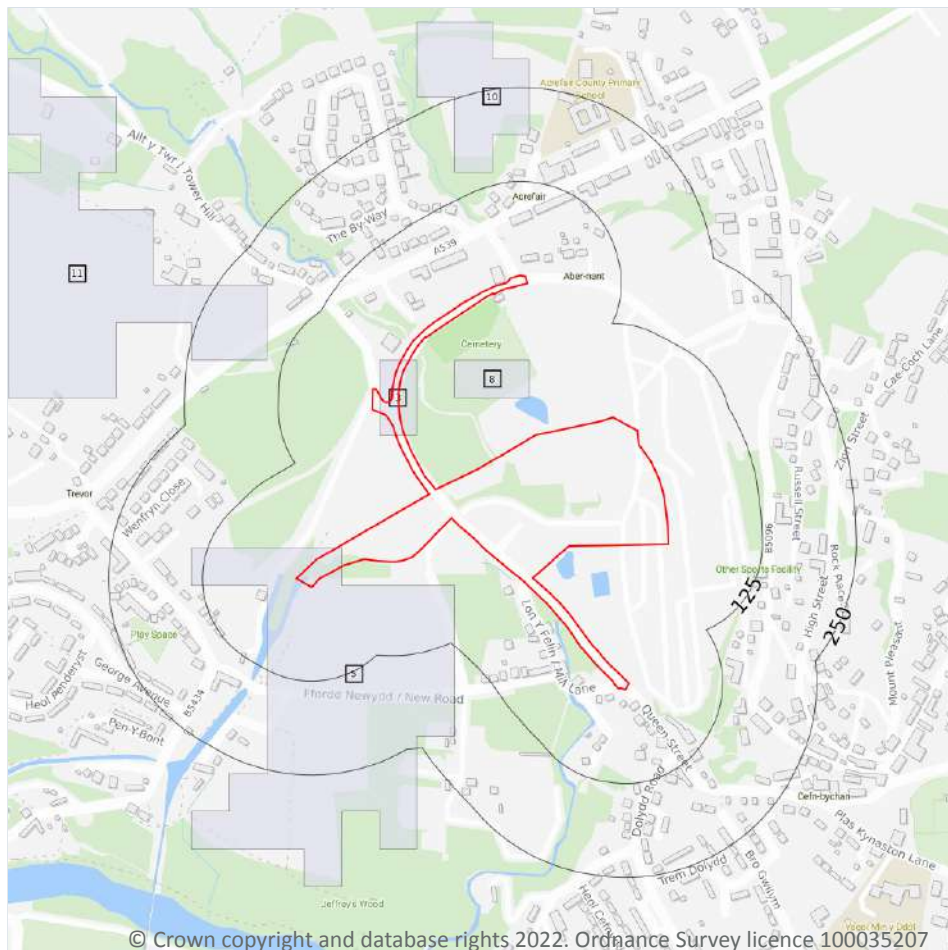
0

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

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



12 Agricultural designations



- 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

5

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 141**

ID	Location	Classification	Description
3	On site	Grade 3b	Moderate quality agricultural land
5	On site	Grade 3b	Moderate quality agricultural land
8	46m SE	Grade 3b	Moderate quality agricultural land

ID	Location	Classification	Description
10	142m N	Grade 3b	Moderate quality agricultural land
11	147m 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. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

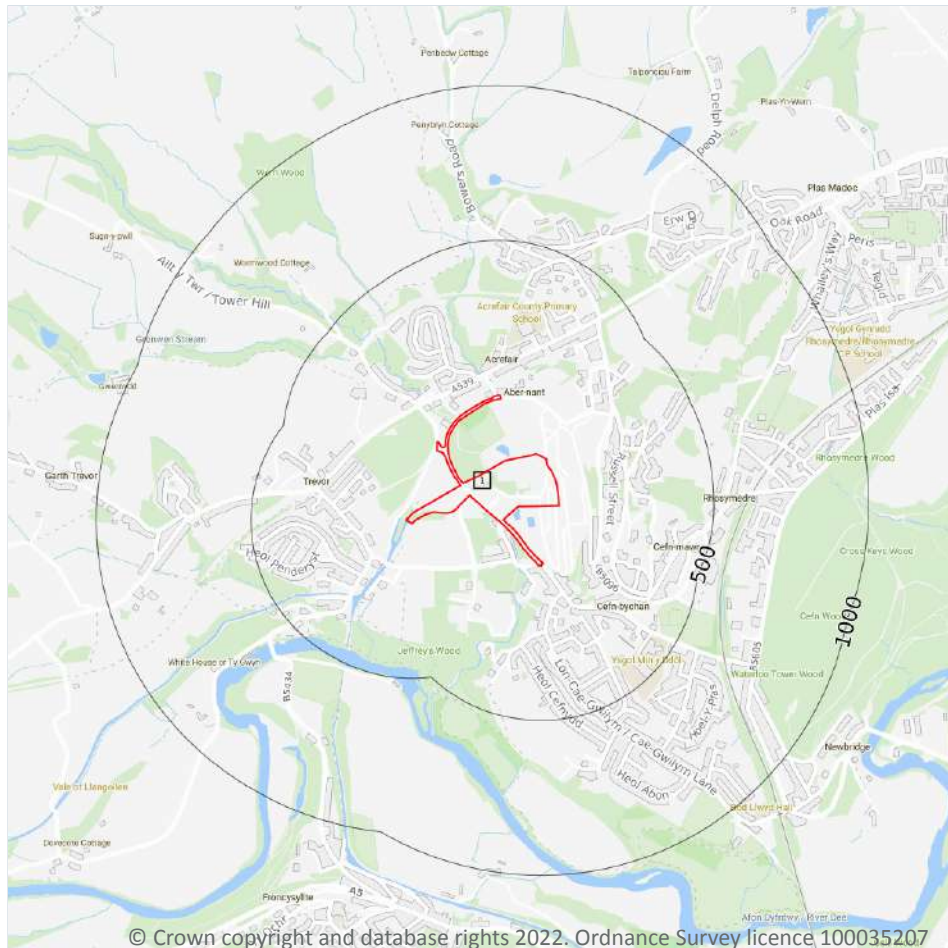
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 144**

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

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

