

Earth Science Partnership Ltd
33, CARDIFF ROAD,
TAFFS WELL, CF15 7RB

Groundsure Reference: ESP-4046795
Your Reference: 6665b_PO_6249_Goat_Mill_Rd_Dowlais
Report Date: 5 Jul 2017
Report Delivery Method: Email - pdf

Enviro Insight

Address: 306667, 207437,

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Enviro Insight** as requested.

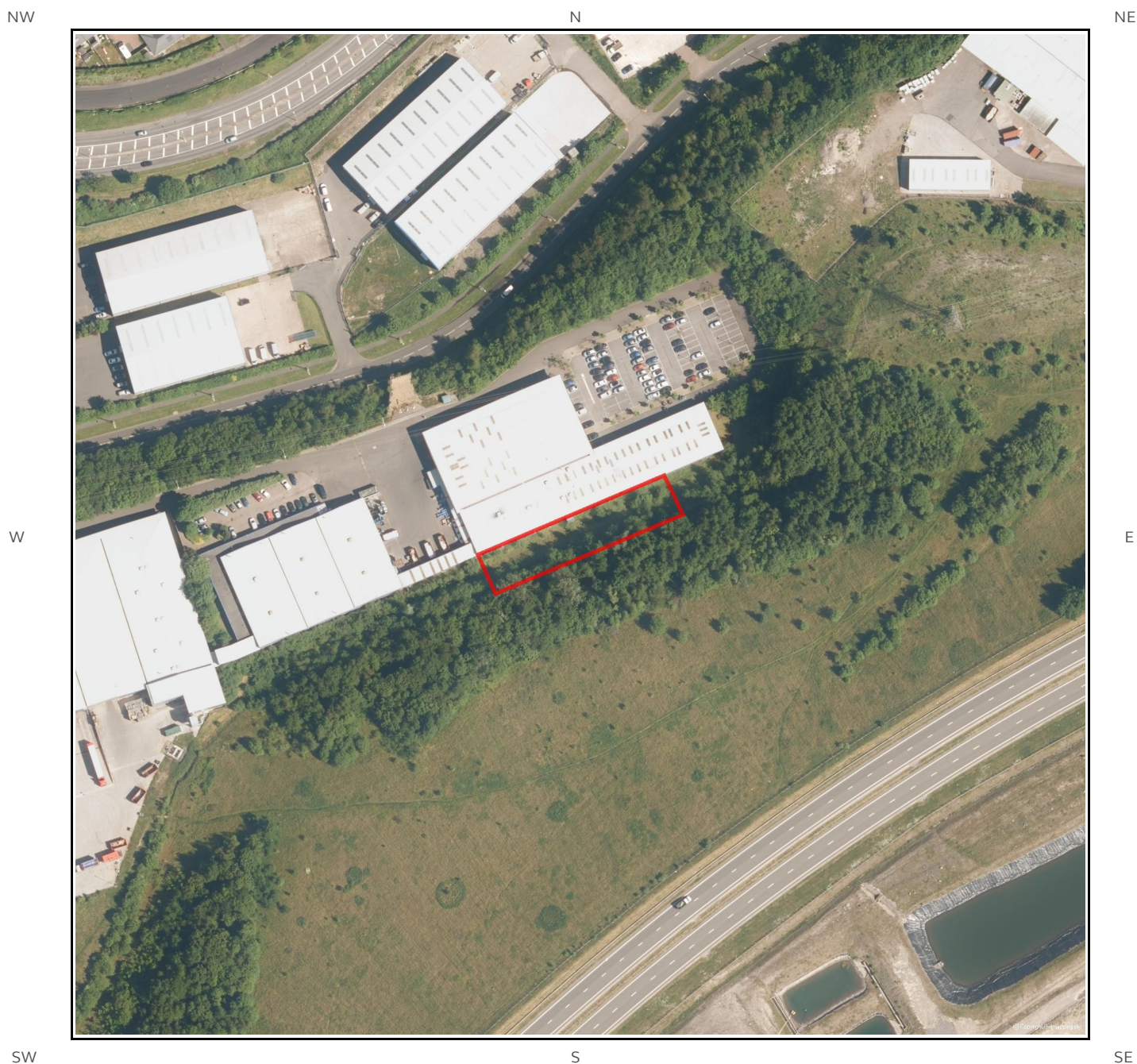
If you need any further assistance, please do not hesitate to contact the Groundsure helpline on 08444 159 000 quoting the above report reference number.

Yours faithfully,

Earth Science Partnership Ltd

Enc.
Groundsure Enviroinsight

Address: 306667, 207437,
 Date: 5 Jul 2017
 Reference: ESP-4046795
 Client: Earth Science Partnership Ltd



Aerial Photograph Capture date: 23-Jul-2014
 Grid Reference: 306674,207430
 Site Size: 0.12ha

Report Reference: ESP-4046795
 Client Reference: 6665b_PO_6249_Goat_Mill_Rd_Dowlais

Contents Page

Contents Page	3
Overview of Findings	6
Using this report	10
1. Historical Land Use	11
1. Historical Industrial Sites	12
1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping	12
1.2 Additional Information – Historical Tank Database	22
1.3 Additional Information – Historical Energy Features Database	25
1.4 Additional Information – Historical Petrol and Fuel Site Database	26
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	26
1.6 Potentially Infilled Land	27
2. Environmental Permits, Incidents and Registers Map	33
2. Environmental Permits, Incidents and Registers	34
2.1 Industrial Sites Holding Licences and/or Authorisations	34
2.1.1 Records of historic IPC Authorisations within 500m of the study site	34
2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site	34
2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site	34
2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site	34
2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site	34
2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site	35
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	35
2.1.8 Records of Licensed Discharge Consents within 500m of the study site	35
2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site	37
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	37
2.2 Dangerous or Hazardous Sites	37
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents	37
2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site	37
2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site	38
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	38
3. Landfill and Other Waste Sites Map	39
3. Landfill and Other Waste Sites	40
3.1 Landfill Sites	40
3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site	40
3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site	40
3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site	42
3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site	42
3.2 Other Waste Sites	43
3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site	43
3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site	43
4. Current Land Use Map	47
4. Current Land Uses	48
4.1 Current Industrial Data	48
4.2 Petrol and Fuel Sites	49
4.3 National Grid High Voltage Underground Electricity Transmission Cables	49
4.4 National Grid High Pressure Gas Transmission Pipelines	49

5. Geology	50
5.1 Artificial Ground and Made Ground.....	50
5.2 Superficial Ground and Drift Geology	50
5.3 Bedrock and Solid Geology	50
6 Hydrogeology and Hydrology	51
6a. Aquifer Within Superficial Geology	51
6b. Aquifer Within Bedrock Geology and Abstraction Licenses	52
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses	53
6d. Hydrogeology – Source Protection Zones within confined aquifer	54
6e. Hydrology – Detailed River Network and River Quality	55
6.Hydrogeology and Hydrology	56
6.1 Aquifer within Superficial Deposits.....	56
6.2 Aquifer within Bedrock Deposits.....	56
6.3 Groundwater Abstraction Licences.....	57
6.4 Surface Water Abstraction Licences.....	57
6.5 Potable Water Abstraction Licences.....	58
6.6 Source Protection Zones.....	58
6.7 Source Protection Zones within Confined Aquifer.....	58
6.8 Groundwater Vulnerability and Soil Leaching Potential.....	59
6.9 River Quality.....	59
6.9.1 Biological Quality:.....	59
6.9.2 Chemical Quality:.....	60
6.10 Detailed River Network.....	60
6.11 Surface Water Features.....	61
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)	62
7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS)	63
Map	63
7 Flooding	64
7.1 River and Coastal Zone 2 Flooding.....	64
7.2 River and Coastal Zone 3 Flooding.....	64
7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating.....	64
7.4 Flood Defences.....	64
7.5 Areas benefiting from Flood Defences.....	64
7.6 Areas benefiting from Flood Storage.....	65
7.7 Groundwater Flooding Susceptibility Areas.....	65
7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Yes.....	65
7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?.....	65
7.8 Groundwater Flooding Confidence Areas.....	65
8. Designated Environmentally Sensitive Sites Map	66
8. Designated Environmentally Sensitive Sites	67
8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:.....	67
8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:.....	67
8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:.....	67
8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:.....	67
8.5 Records of Ramsar sites within 2000m of the study site:.....	67
8.6 Records of Ancient Woodland within 2000m of the study site:	68
8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:.....	68
8.8 Records of World Heritage Sites within 2000m of the study site:.....	68
8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:	68

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:	68
8.11 Records of National Parks (NP) within 2000m of the study site:	68
8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:.....	69
8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:.....	69
8.14 Records of Green Belt land within 2000m of the study site:.....	69
9. Natural Hazards Findings	70
9.1 Detailed BGS GeoSure Data.....	70
9.1.1 Shrink Swell.....	70
9.1.2 Landslides.....	70
9.1.3 Soluble Rocks.....	70
9.1.4 Compressible Ground.....	71
9.1.5 Collapsible Rocks.....	71
9.1.6 Running Sand.....	71
9.2 Radon.....	71
9.2.1 Radon Affected Areas.....	71
9.2.2 Radon Protection.....	72
10. Mining	73
10.1 Coal Mining.....	73
10.2 Non-Coal Mining.....	73
10.3 Brine Affected Areas	73
Contact Details	74
Standard Terms and Conditions	76

Overview of Findings

For further details on each dataset, please refer to each individual section in the main report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	17	25	127	274
1.2 Additional Information – Historical Tank Database	0	0	24	93
1.3 Additional Information – Historical Energy Features Database	0	0	1	36
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	4	3
1.6 Potentially Infilled Land	10	19	63	122

Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	1	1	1
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	8	2
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	1
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	1	0	0	1	8
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	1
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	2	13
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	1	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	14	2

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	3	7	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	1
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology						
5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	Yes					
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Yes					
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.						

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes					
6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?	Yes					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	2
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	4
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	0	0	Not searched	Not searched

Section 6: Hydrogeology and Hydrology		0-500m				
	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site?	No	No	No	No	No	Yes
6.10 Detailed River Network entries within 500m of the site	0	0	2	6	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding	
7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	No
7.2 Are there any Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	No
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?	Very Low
7.4 Are there any Flood Defences within 250m of the study site?	No
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
7.6 Are there any areas used for Flood Storage within 250m of the study site?	No
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Potential at Surface
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	0	2
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	0	0	0	0	0	0
8.14 Records of Green Belt land	0	0	0	0	0	0

Section 9: Natural Hazards

9.1 What is the maximum risk of natural ground subsidence?	Very Low
9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Very Low
9.1.2 What is the maximum Landslides hazard rating identified on the study site?	Very Low
9.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?	Negligible
9.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?	Very Low
9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Very Low
9.1.6 What is the maximum Running Sand hazard rating identified on the study site?	Very Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining

10.1 Are there any coal mining areas within 75m of the study site?	Yes
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	Yes
10.3 Are there any brine affected areas within 75m of the study site?	No

Using this report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between Groundsure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licenses, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

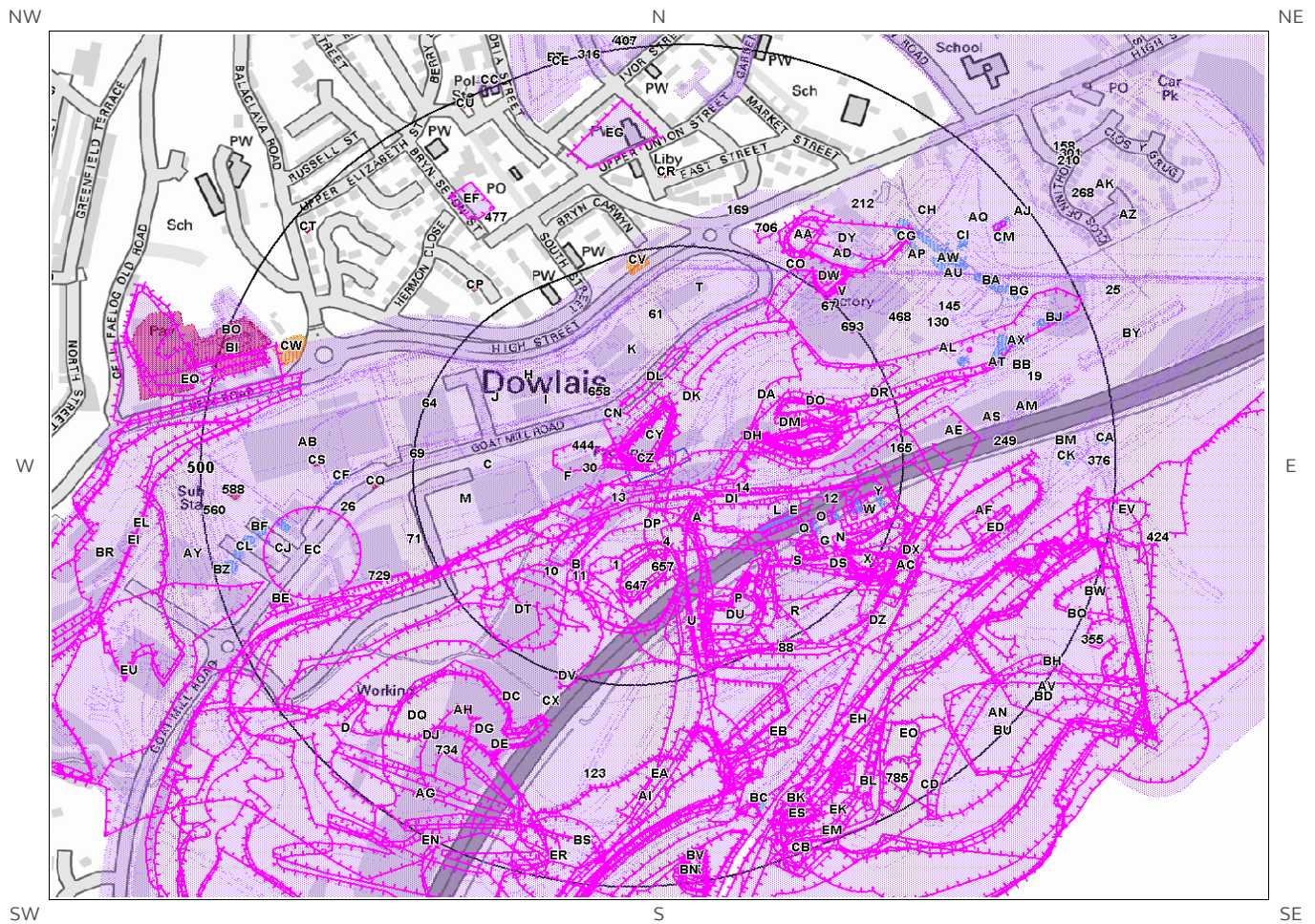
Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

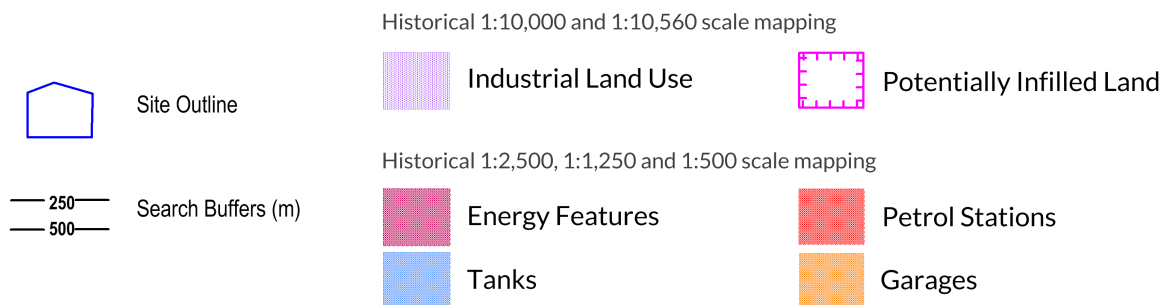
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Land Use



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1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 443

ID	Distance [m]	Direction	Use	Date
1	0	On Site	Railway Sidings	1903
2CZ	0	On Site	Refuse Heap	1903
3DA	0	On Site	Unspecified Ground Workings	1982
4	0	On Site	Railway Sidings	1875
5CX	0	On Site	Unspecified Tip	1875
6CY	0	On Site	Refuse Heap	1948
7DP	0	On Site	Railway Sidings	1938
8A	0	On Site	Railway Sidings	1922
9A	0	On Site	Railway Sidings	1922
10	0	On Site	Iron Works	1921
11	0	On Site	Iron Works	1915
12	0	On Site	Railway Sidings	1921
13	0	On Site	Railway Sidings	1915
14	0	On Site	Iron Works	1875
15B	0	On Site	Iron Works	1922
16E	0	On Site	Disused Brick Works	1948
17B	0	On Site	Iron Works	1922
18D	2	S	Ground Workings and Refuse Heap	1915
19	7	S	Railway Sidings	1965
20C	8	S	Railway Sidings	1901
21C	8	S	Iron Works	1901
22DC	10	S	Unspecified Tip	1903
23AE	16	S	Railway Sidings	1948
24BB	16	S	Railway Sidings	1975
25	16	S	Railway Sidings	1982
26	24	NW	Iron Works	1938
27DD	25	S	Refuse Heap	1901
28F	26	SW	Unspecified Factory	1992
29DE	28	S	Unspecified Tip	1948
30	35	W	Railway Building	1901
31DF	35	SE	Refuse Heap	1903
32DG	39	SE	Unspecified Tip	1965
33DH	40	SE	Refuse Heap	1901

34AS	42	SE	Railway Sidings	1901
35D	45	SW	Unspecified Disused Tip	1982
36D	45	SW	Unspecified Tip	1975
37E	45	SE	Brick Works	1903
38DI	47	SE	Cuttings	1938
39DJ	48	SW	Unspecified Disused Tip	1992
40S	49	SE	Brick Works	1915
41E	49	SE	Unspecified Commercial/Industrial	1965
42R	49	SE	Brick Works	1921
43H	54	NW	Unspecified Mill	1875
44K	56	NW	Plastic Factory	1948
45F	58	W	Railway Building	1901
46DK	58	N	Unspecified Shaft	1875
47CN	61	NW	Unspecified Mill	1901
48G	61	SE	Brick Works	1938
49G	61	SE	Brick Works	1938
50O	62	SE	Brick Works	1901
51DL	65	NW	Refuse Heap	1903
52H	66	NW	Unspecified Mill	1915
53I	71	NW	Unspecified Mill	1938
54DN	72	N	Refuse Heap	1903
55DO	72	NE	Unspecified Ground Workings	1965
56H	75	NW	Unspecified Mill	1921
57	77	NW	Railway Sidings	1948
58DQ	78	SW	Unspecified Tips	1901
59I	85	NW	Unspecified Mill	1922
60I	85	NW	Unspecified Mill	1922
61	91	NW	Unspecified Factories	1965
62J	91	NW	Agricultural Engineering Works	1948
63J	93	NW	Unspecified Works	1965
64	94	NW	Unspecified Factories	1982
65H	94	NW	Unspecified Factories	1975
66K	95	NW	Unspecified Mill	1903
67	95	NE	Unspecified Factory	1992
68DM	99	E	Railway Sidings	1875
69	102	W	Iron Works	1903
70DR	109	NE	Unspecified Ground Workings	1992
71	109	W	Bakery	1965
72L	110	SE	Unspecified Tanks	1903
73L	110	SE	Unspecified Tanks	1948
74M	111	W	Unspecified Works	1982
75M	111	W	Unspecified Works	1965
76M	111	W	Unspecified Works	1975

77CJ	112	W	Unspecified Commercial/Industrial	1948
78L	115	SE	Unspecified Tanks	1901
79E	115	SE	Unspecified Tanks	1965
80N	116	SE	Brick Works	1922
81N	116	SE	Brick Works	1922
82L	117	SE	Unspecified Tanks	1922
83L	117	SE	Unspecified Tanks	1922
84E	118	SE	Engine House	1875
85L	118	SE	Unspecified Tanks	1921
86E	118	SE	Unspecified Tanks	1915
87E	120	SE	Unspecified Tanks	1938
88	139	SE	Railway Sidings	1901
89P	145	SE	Unspecified Pits	1903
90T	148	N	Unspecified Factory	1992
91U	149	SE	Cuttings	1938
92O	149	SE	Unspecified Tanks	1948
93O	149	SE	Unspecified Tanks	1903
94DS	152	SE	Refuse Heap	1903
95E	153	SE	Unspecified Tank	1901
96P	154	SE	Unspecified Ground Workings and Heap	1922
97P	154	SE	Unspecified Ground Workings and Heap	1922
98Q	155	SE	Unspecified Tank	1922
99Q	155	SE	Unspecified Tank	1922
100P	156	SE	Unspecified Pits	1948
101G	157	SE	Unspecified Tank	1915
102P	157	SE	Unspecified Ground Workings	1915
103G	158	SE	Unspecified Tank	1921
104P	158	SE	Unspecified Ground Workings	1901
105R	158	SE	Unspecified Ground Workings	1938
106R	158	SE	Unspecified Ground Workings	1938
107DT	160	SW	Refuse Heap	1965
108O	161	SE	Unspecified Tank	1901
109DU	161	SE	Unspecified Ground Workings	1921
110S	162	SE	Railway Sidings	1901
111Q	162	SE	Unspecified Tanks	1922
112Q	162	SE	Unspecified Tanks	1922
113Q	164	SE	Unspecified Tanks	1915
114Q	164	SE	Unspecified Tanks	1921
115R	164	SE	Refuse Heap	1975
116R	164	SE	Refuse Heap	1982

117T	168	N	Railway Sidings	1922
118T	168	N	Railway Sidings	1922
119Q	170	SE	Unspecified Tank	1901
120O	175	E	Unspecified Tank	1903
121O	175	E	Unspecified Tank	1948
122O	178	SE	Unspecified Tank	1965
123	178	S	Railway Sidings	1901
124O	178	E	Unspecified Tank	1901
125O	179	E	Unspecified Tank	1922
126O	179	E	Unspecified Tank	1922
127B	180	SW	Unspecified Pit	1875
128O	180	SE	Unspecified Tank	1921
129O	181	SE	Unspecified Tank	1915
130	183	NE	Unspecified Commercial/Industrial	1938
131O	184	SE	Unspecified Tank	1938
132U	187	SE	Engine House	1875
133W	188	E	Brick Works	1875
134Z	189	NE	Unspecified Pits	1948
135V	194	NE	Unspecified Factory	1982
136V	194	NE	Unspecified Factory	1975
137AX	199	NE	Unspecified Commercial/Industrial	1901
138W	199	E	Unspecified Tanks	1921
139W	200	E	Unspecified Tanks	1922
140W	200	E	Unspecified Tanks	1922
141W	201	E	Unspecified Tanks	1875
142W	201	E	Unspecified Tanks	1915
143W	201	E	Unspecified Tanks	1948
144W	204	E	Unspecified Tanks	1938
145	208	NE	Unspecified Commercial/Industrial	1903
146X	212	SE	Unspecified Pit	1948
147X	212	SE	Unspecified Ground Workings	1922
148X	212	SE	Unspecified Ground Workings	1922
149X	212	SE	Unspecified Ground Workings	1915
150X	213	SE	Unspecified Ground Workings	1921
151X	218	SE	Unspecified Heaps	1965
152Y	220	E	Unspecified Tank	1922
153Y	220	E	Unspecified Tank	1922
154W	221	E	Unspecified Tanks	1915
155W	221	E	Unspecified Tanks	1938
156AQ	223	N	Iron Works	1922
157AD	223	N	Railway Sidings	1922

158	225	N	Railway Sidings	1875
159Y	226	E	Unspecified Tank	1875
160Y	228	E	Unspecified Tank	1903
161Y	229	E	Unspecified Tank	1922
162Y	229	E	Unspecified Tank	1922
163Y	230	E	Unspecified Tank	1901
164Y	231	E	Unspecified Tank	1921
165	243	E	Railway Building	1948
166DV	246	S	Unspecified Tip	1921
167Z	249	NE	Unspecified Ground Workings	1922
168V	249	NE	Unspecified Ground Workings	1922
169	250	N	Hospital	1875
170V	251	NE	Unspecified Pit	1915
171V	253	NE	Unspecified Pit	1938
172V	253	NE	Unspecified Pit	1938
173DW	253	NE	Unspecified Pit	1921
174AA	268	NE	Unspecified Heap	1921
175AB	269	W	Unspecified Commercial/Industrial	1975
176DX	270	SE	Cuttings	1903
177AA	272	NE	Unspecified Heap	1922
178AA	272	NE	Unspecified Heap	1922
179AJ	272	NE	Iron Works	1875
180AB	273	W	Unspecified Factory	1965
181AC	273	SE	Cuttings	1965
182AC	274	SE	Cuttings	1901
183AC	275	SE	Cuttings	1948
184DY	275	NE	Unspecified Ground Workings	1901
185AD	277	NE	Unspecified Heap	1903
186AC	277	SE	Cuttings	1938
187DZ	279	SE	Cuttings	1965
188AB	283	W	Hosiery Factory	1948
189AP	291	NE	Unspecified Tank	1921
190AF	294	E	Unspecified Ground Workings	1915
191AE	295	E	Railway Building	1948
192AF	297	E	Unspecified Ground Workings	1922
193AF	297	E	Unspecified Ground Workings	1922
194AG	297	SW	Unspecified Tip	1938
195AG	297	SW	Unspecified Tip	1938
196AF	300	E	Unspecified Ground Workings	1921
197AH	300	SW	Unspecified Tip	1915

198AH	300	SW	Unspecified Tip	1922
199AH	300	SW	Unspecified Tip	1922
200AG	308	SW	Unspecified Ground Workings and Heaps	1921
201EA	309	S	Cuttings	1938
202AG	309	S	Refuse Heap	1922
203AG	309	S	Refuse Heap	1922
204AN	310	SE	Disused Ironstone Pit	1948
205AI	313	S	Unspecified Disused Tip	1992
206AI	314	S	Unspecified Disused Tip	1975
207AI	314	S	Unspecified Disused Tip	1982
208AJ	322	NE	Unspecified Commercial/Industrial	1875
209AJ	323	NE	Iron Works	1903
210	323	NE	Railway Sidings	1903
211EB	324	SE	Unspecified Ground Workings	1901
212	324	NE	Unspecified Works	1965
213AL	324	NE	Railway Building	1901
214EC	325	W	Ironstone Level	1875
215AF	326	E	Unspecified Heap	1938
216AF	326	E	Unspecified Heap	1938
217AK	326	NE	Iron Works	1901
218AK	326	NE	Railway Sidings	1901
219AL	337	E	Unspecified Tank	1915
220AL	338	E	Unspecified Tank	1922
221AL	338	E	Unspecified Tank	1922
222AL	340	E	Unspecified Tank	1938
223AL	340	E	Unspecified Tank	1921
224AL	341	E	Unspecified Tank	1901
225AL	342	E	Unspecified Tank	1903
226AM	344	E	Coke Ovens	1922
227AM	344	E	Coke Ovens	1922
228AM	344	E	Coke Ovens	1921
229ED	344	E	Cuttings	1903
230AM	344	E	Coke Ovens	1901
231AM	345	E	Coke Ovens	1915
232AM	345	E	Coke Ovens	1903
233AM	346	E	Coke Ovens	1938
234AN	347	SE	Ground Workings and Refuse Heap	1915
235CD	349	SE	Ironstone Pit	1875
236EE	351	SE	Unspecified Ground Workings	1948
237AO	353	SE	Railway Sidings	1922
238AO	353	SE	Railway Sidings	1922
239AP	357	NE	Unspecified Tanks	1921

240EF	358	NW	Burial Ground	1875
241	358	SE	Railway Sidings	1901
242AN	361	SE	Refuse Heap	1922
243AN	361	SE	Refuse Heap	1922
244AN	361	SE	Ironstone Pit	1938
245AP	363	NE	Unspecified Tanks	1922
246AN	364	SE	Refuse Heap	1921
247EG	365	N	Grave Yard	1875
248AQ	365	NE	Iron Works	1948
249	365	E	Railway Building	1948
250AR	366	SE	Unspecified Ground Workings	1922
251AR	366	SE	Unspecified Ground Workings	1922
252EH	366	SE	Cuttings	1938
253AR	368	SE	Unspecified Ground Workings	1921
254AS	370	E	Coal Shoots	1875
255AT	373	E	Unspecified Tank	1915
256AT	374	E	Unspecified Tank	1922
257AT	374	E	Unspecified Tank	1922
258AU	375	NE	Unspecified Tank	1915
259AU	375	NE	Unspecified Tank	1922
260AU	375	NE	Unspecified Tank	1922
261AU	377	NE	Unspecified Tank	1921
262AU	377	NE	Unspecified Tank	1938
263AU	380	NE	Unspecified Tanks	1903
264AV	380	SE	Unspecified Disused Tip	1982
265AV	380	SE	Unspecified Disused Tip	1975
266AW	380	NE	Unspecified Tank	1875
267AW	384	NE	Unspecified Tanks	1901
268	385	NE	Iron Works	1921
269BD	385	SE	Unspecified Ground Workings	1965
270AX	385	E	Unspecified Tanks	1915
271AX	386	E	Unspecified Tanks	1922
272AX	386	E	Unspecified Tanks	1922
273AX	387	E	Unspecified Tanks	1921
274AX	388	E	Unspecified Tanks	1938
275AX	388	E	Unspecified Tanks	1901
276BZ	389	W	Unspecified Works	1992
277AY	390	W	Unspecified Works	1965
278AY	390	W	Unspecified Works	1975
279AY	390	W	Unspecified Works	1982
280AX	391	E	Unspecified Tanks	1903
281AR	391	E	Unspecified Heap	1901

282AR	392	E	Unspecified Ground Workings	1903
283AU	392	NE	Unspecified Tank	1875
284EI	394	W	Old Ironstone Levels	1901
285BL	394	SE	Unspecified Disused Pit	1903
286BH	394	SE	Unspecified Pit	1903
287AZ	395	NE	Railway Sidings	1921
288BQ	395	SE	Refuse Heap	1901
289EJ	396	E	Unspecified Ground Workings	1948
290EK	397	SE	Unspecified Ground Workings	1901
291AZ	398	NE	Railway Sidings	1922
292EL	398	W	Refuse Heap	1903
293EM	399	SE	Unspecified Disused Tip	1992
294EN	399	SW	Shale Tip	1921
295BA	399	NE	Unspecified Tanks	1922
296BA	399	NE	Unspecified Tanks	1922
297BA	399	NE	Unspecified Tanks	1915
298BA	400	NE	Unspecified Tanks	1901
299CH	400	NE	Unspecified Tank	1965
300BA	400	NE	Unspecified Tanks	1921
301	401	NE	Railway Sidings	1948
302BB	402	E	Railway Building	1965
303EO	405	SE	Unspecified Pit	1901
304AX	406	E	Chimney	1965
305BA	406	NE	Unspecified Tanks	1948
306BA	406	NE	Unspecified Tanks	1903
307AX	408	E	Unspecified Tank	1948
308CI	411	NE	Unspecified Tank	1965
309BA	412	NE	Unspecified Tank	1938
310EQ	418	W	Unspecified Ground Workings	1875
311BC	419	S	Railway Building	1948
312ER	420	S	Unspecified Level	1875
313BC	420	S	Unspecified Pit	1922
314BC	420	S	Unspecified Pit	1922
315BC	421	S	Unspecified Pit	1948
316	423	N	Railway Sidings	1922
317BK	424	SE	Unspecified Pit	1965
318BE	426	W	Filtering Beds	1903
319BD	426	SE	Unspecified Pit	1901
320BI	428	W	Unspecified Works	1965
321BE	428	SW	Filtering Beds	1901
322CL	429	W	Unspecified Tanks	1965
323BF	429	W	Unspecified Tank	1982
324BF	429	W	Unspecified Tank	1975

325BM	431	E	Engine House	1901
326BG	431	NE	Unspecified Tank	1915
327BG	432	NE	Unspecified Tank	1922
328BG	432	NE	Unspecified Tank	1922
329BG	432	NE	Unspecified Tank	1901
330BH	433	SE	Railway Sidings	1875
331BG	434	NE	Unspecified Tanks	1903
332BI	438	W	Gas Works	1938
333BJ	440	E	Unspecified Tanks	1922
334BJ	440	E	Unspecified Tanks	1922
335BP	440	W	Refuse Heap	1901
336BJ	440	E	Unspecified Tanks	1915
337BI	440	W	Gas Works	1875
338BK	441	SE	Unspecified Ground Workings	1922
339BK	441	SE	Unspecified Ground Workings	1922
340BJ	442	NE	Unspecified Tanks	1921
341BL	442	SE	Unspecified Ground Workings	1901
342BM	442	E	Railway Buildings	1965
343BJ	442	E	Unspecified Tanks	1938
344BM	443	E	Engine House	1903
345BM	443	E	Railway Building	1948
346BJ	444	E	Unspecified Tanks	1901
347BH	444	SE	Railway Sidings	1922
348BH	444	SE	Railway Sidings	1922
349BO	444	W	Gas Works	1901
350BK	444	SE	Unspecified Pit	1948
351BI	444	W	Unspecified Commercial/Industrial	1948
352BI	445	W	Gas Works	1915
353BR	445	W	Unspecified Disused Tips	1992
354BI	446	W	Unspecified Depot	1992
355	446	SE	Railway Sidings	1901
356BS	446	S	Engine House	1903
357BN	446	S	Unspecified Disused Tips	1982
358BN	446	S	Unspecified Disused Tips	1975
359BJ	446	NE	Unspecified Tanks	1903
360ES	446	SE	Unspecified Pit	1875
361ET	447	S	Unspecified Disused Tips	1992
362BO	447	W	Gas Works	1922
363BO	447	W	Gas Works	1922
364BO	447	W	Gas Works	1903
365BP	447	W	Refuse Heap	1903
366AQ	447	NE	Unspecified Tanks	1903

367EU	448	W	Unspecified Ground Workings	1875
368BT	448	NW	Railway Sidings	1901
369BQ	450	SE	Tramway Sidings	1915
370BR	450	W	Unspecified Disused Tips	1982
371BR	450	W	Unspecified Disused Tips	1975
372BM	451	E	Railway Sidings	1901
373BS	451	S	Engine House	1901
374AQ	452	NE	Unspecified Tank	1921
375CM	452	NE	Unspecified Tank	1901
376	452	E	Railway Sidings	1948
377AJ	452	NE	Unspecified Tanks	1901
378BO	453	W	Gas Works	1921
379AJ	453	NE	Unspecified Tanks	1922
380AJ	453	NE	Brick Kilns	1875
381BT	454	N	Railway Sidings	1921
382BU	457	SE	Shale Tip	1922
383BU	457	SE	Shale Tip	1922
384BV	459	S	Unspecified Heap	1922
385BV	459	S	Unspecified Heap	1922
386BV	459	S	Unspecified Heap	1948
387BM	461	E	Engine House	1875
388BV	462	S	Unspecified Heap	1938
389BV	462	S	Unspecified Heap	1938
390BV	462	S	Unspecified Old Quarry	1915
391BX	462	S	Unspecified Ground Workings	1965
392BW	462	E	Shale Tip	1922
393BW	462	E	Shale Tip	1922
394BI	465	W	Gasometers	1875
395BI	466	W	Unspecified Tanks	1938
396BI	467	W	Gasometers	1915
397BI	467	W	Unspecified Tanks	1948
398BI	468	W	Gasometers	1922
399BI	468	W	Gasometers	1922
400BO	469	W	Gasometer	1901
401BI	469	W	Unspecified Tanks	1965
402BY	470	E	Coke Ovens	1915
403BX	470	S	Old Quarry	1921
404BO	471	W	Gasometers	1903
405BY	471	E	Coke Ovens	1922
406BY	471	E	Coke Ovens	1922
407	471	N	Unspecified Works	1975
408BT	471	N	Unspecified Works	1982
409	471	N	Railway Sidings	1975
410BY	472	E	Coke Ovens	1921

411BT	472	N	Iron Works	1965
412BV	472	S	Unspecified Old Quarry	1903
413BY	472	E	Coke Ovens	1901
414BI	473	W	Gasometers	1921
415BZ	473	W	Unspecified Tank	1982
416BZ	473	W	Unspecified Tank	1975
417BY	473	E	Coke Ovens	1938
418AJ	474	NE	Chimney	1965
419AJ	474	NE	Chimney	1975
420AJ	474	NE	Chimney	1982
421BY	474	E	Coke Ovens	1903
422CE	477	N	Railway Building	1965
423BX	478	S	Unspecified Old Quarry	1901
424	481	E	Railway Sidings	1901
425CA	481	E	Unspecified Tanks	1965
426CA	481	E	Unspecified Tanks	1975
427BI	482	W	Gasometer	1901
428BX	483	S	Unspecified Old Quarry	1922
429BX	483	S	Unspecified Old Quarry	1922
430CB	484	S	Unspecified Heap	1922
431CB	484	S	Unspecified Heap	1922
432BX	484	S	Unspecified Old Quarry	1948
433BT	487	N	Iron Works	1921
434BX	488	S	Unspecified Old Quarry	1938
435CC	492	NW	Police Station	1982
436CC	492	NW	Police Station	1992
437CC	492	NW	Police Station	1975
438CB	493	S	Unspecified Heap	1921
439EV	494	E	Ironstone Pit	1921
440BT	495	N	Iron Works	1903
441CD	496	SE	Railway Sidings	1875
442BT	498	N	Unspecified Commercial/Industrial	1948
443CE	499	N	Railway Building	1922

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary:

117

ID	Distance (m)	Direction	Use	Date
444	54	NW	Unspecified Tank	1972

445L	115	SE	Tanks	1919
446L	115	SE	Tanks	1900
447L	117	SE	Tanks	1956
448L	118	SE	Tanks	1956
449L	118	SE	Tanks	1961
450Q	148	SE	Unspecified Tank	1956
451Q	149	SE	Unspecified Tank	1956
452Q	149	SE	Unspecified Tank	1961
453Q	153	SE	Unspecified Tank	1900
454Q	153	SE	Unspecified Tank	1919
455Q	160	SE	Tanks	1919
456Q	160	SE	Tanks	1900
457O	178	E	Unspecified Tank	1956
458O	178	E	Unspecified Tank	1961
459O	178	E	Unspecified Tank	1956
460O	178	E	Unspecified Tank	1900
461O	178	E	Unspecified Tank	1919
462W	194	E	Tanks	1875
463W	197	E	Tanks	1900
464W	197	E	Tanks	1919
465W	218	E	Tanks	1919
466W	218	E	Tanks	1900
467Y	219	E	Unspecified Tank	1875
468	296	NE	Unspecified Tank	1875
469AD	304	NE	Unspecified Tank	1920
470AA	308	NE	Unspecified Tank	1920
471AD	312	NE	Unspecified Tank	1920
472CF	330	W	Tanks	1974
473AL	336	E	Unspecified Tank	1919
474AL	336	E	Unspecified Tank	1900
475CF	340	W	Unspecified Tank	1974
476AL	342	E	Unspecified Tank	1875
477	345	NW	Unspecified Tank	1996
478CG	361	NE	Tanks	1920
479CG	364	NE	Unspecified Tank	1987
480CG	364	NE	Unspecified Tank	1995
481CG	364	NE	Unspecified Tank	1996
482CG	364	NE	Unspecified Tank	1983
483AT	366	E	Unspecified Tank	1875
484AX	370	E	Tanks	1919
485AP	371	NE	Tanks	1920
486AX	372	E	Tanks	1900
487CG	376	NE	Tanks	1920
488AU	376	NE	Unspecified Tank	1919
489AT	377	E	Unspecified Tank	1875
490AW	382	NE	Tanks	1899

491AW	383	NE	Unspecified Tank	1875
492CH	389	NE	Unspecified Tank	1920
493CG	393	NE	Unspecified Tank	1920
494AU	393	NE	Unspecified Tank	1875
495CI	397	NE	Unspecified Tank	1920
496BA	400	NE	Tanks	1900
497BF	400	W	Tanks	1974
498BA	400	NE	Tanks	1919
499BF	401	W	Tanks	1989
500AW	404	NE	Unspecified Tank	1920
501CI	405	NE	Unspecified Tank	1988
502BA	405	NE	Unspecified Tank	1875
503CI	406	NE	Unspecified Tank	1955
504AX	406	E	Unspecified Tank	1875
505CI	407	NE	Unspecified Tank	1961
506BA	420	NE	Unspecified Tank	1875
507AX	420	E	Unspecified Tank	1875
508BC	420	S	Unspecified Tank	1989
509BG	421	NE	Unspecified Tank	1919
510CJ	426	W	Unspecified Tank	1974
511BF	427	W	Unspecified Tank	1974
512BA	428	NE	Unspecified Tank	1875
513BF	429	W	Unspecified Tank	1961
514BF	429	W	Unspecified Tank	1956
515BF	429	W	Unspecified Tank	1974
516BF	429	W	Unspecified Tank	1956
517BG	434	NE	Unspecified Tank	1875
518BJ	435	NE	Unspecified Tank	1875
519CK	439	E	Tanks	1955
520CK	439	E	Tanks	1961
521BJ	441	NE	Tanks	1900
522BJ	441	NE	Tanks	1919
523BP	442	W	Gas Works	1919
524CL	444	W	Unspecified Tank	1956
525BF	445	W	Unspecified Tank	1961
526BF	445	W	Unspecified Tank	1956
527CL	445	W	Unspecified Tank	1974
528BI	447	W	Gas Works	1900
529BI	447	W	Gas Works	1875
530BJ	449	E	Unspecified Tank	1875
531BF	449	W	Tanks	1974
532CM	450	NE	Unspecified Tank	1899
533AJ	454	NE	Tanks	1920
534AJ	454	NE	Tanks	1899
535CL	458	W	Tanks	1956
536CL	458	W	Tanks	1961

537CL	458	W	Tanks	1956
538BJ	461	E	Unspecified Tank	1875
539CL	461	W	Unspecified Tank	1961
540CL	461	W	Unspecified Tank	1956
541BI	470	W	Tanks	1972
542BI	470	W	Tanks	1956
543BO	470	W	Unspecified Tank	1972
544BO	470	W	Unspecified Tank	1956
545BO	471	W	Unspecified Tank	1961
546BO	471	W	Unspecified Tank	1956
547BI	471	W	Gasometers	1875
548BI	471	W	Gasometers	1900
549BI	471	W	Unspecified Tank	1961
550BI	471	W	Unspecified Tank	1956
551BI	472	W	Gasometers	1919
552BZ	472	W	Unspecified Tank	1956
553BZ	472	W	Unspecified Tank	1974
554BZ	473	W	Unspecified Tank	1961
555BZ	473	W	Unspecified Tank	1956
556BI	483	W	Unspecified Tank	1961
557BI	483	W	Unspecified Tank	1956
558CA	484	E	Unspecified Tank	1955
559CA	484	E	Unspecified Tank	1961
560	485	W	Unspecified Tank	1956

1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary:

37

ID	Distance (m)	Direction	Use	Date
561CN	56	NW	Electricity Substation	1996
562CO	257	NE	Electricity Substation	1987
563CO	257	NE	Electricity Substation	1983
564CO	258	NE	Electricity Substation	1996
565CO	258	NE	Electricity Substation	1995
566CO	267	NE	Electricity Substation	1987
567CO	268	NE	Electricity Substation	1983
568CO	268	NE	Electricity Substation	1996
569CO	268	NE	Electricity Substation	1995
570AA	272	NE	Electricity Substation	1987
571AA	273	NE	Electricity Substation	1983

572AA	273	NE	Electricity Substation	1996
573AA	273	NE	Electricity Substation	1995
574CP	286	NW	Electricity Substation	1956
575CP	286	NW	Electricity Substation	1956
576CQ	291	W	Electricity Substation	1995
577CQ	292	W	Electricity Substation	1989
578CR	336	N	Electricity Substation	1996
579CR	336	N	Electricity Substation	1995
580CR	336	N	Electricity Substation	1983
581CR	336	N	Electricity Substation	1974
582CS	360	W	Electricity Substation	1974
583CS	362	W	Electricity Substation	1989
584CS	364	W	Electricity Substation	1995
585BP	442	W	Gas Works	1919
586BI	447	W	Gas Works	1900
587BI	447	W	Gas Works	1875
588	452	W	Electricity Substation	1995
589BI	471	W	Gasometers	1875
590BI	471	W	Gasometers	1900
591BI	472	W	Gasometers	1919
592CT	477	NW	Electricity Substation	1956
593CT	477	NW	Electricity Substation	1956
594CU	489	NW	Electricity Substation	1996
595CU	489	NW	Electricity Substation	1989
596CU	489	NW	Electricity Substation	1988
597CU	490	NW	Electricity Substation	1972

1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 7

ID	Distance (m)	Direction	Use	Date
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598CV	223	N	Garage	1961
599CV	223	N	Garage	1956
600CV	223	N	Garage	1956
601CV	223	N	Garage	1974
602CW	409	W	Garage	1956
603CW	409	W	Garage	1961
604CW	409	W	Garage	1956

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 214

The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

ID	Distance(m)	Direction	Use	Date
605CX	0	On Site	Unspecified Tip	1875
606CY	0	On Site	Reservoir	1938
607CY	0	On Site	Reservoir	1921
608CY	0	On Site	Reservoir	1915
609DB	0	On Site	Reservoirs	1875
610CY	0	On Site	Refuse Heap	1948
611CY	0	On Site	Ponds	1965
612CZ	0	On Site	Refuse Heap	1903
613E	0	On Site	Disused Brick Works	1948
614DA	0	On Site	Unspecified Ground Workings	1982
615DB	1	NW	Pond	1901
616CY	1	NW	Reservoir	1922
617CY	1	NW	Reservoir	1922
618D	2	S	Ground Workings and Refuse Heap	1915
619CY	4	NW	Reservoir	1901
620CY	8	NW	Reservoir	1903
621DC	10	S	Unspecified Tip	1903
622DD	25	S	Refuse Heap	1901
623DE	28	S	Unspecified Tip	1948
624DF	35	SE	Refuse Heap	1903
625DG	39	SE	Unspecified Tip	1965
626DH	40	SE	Refuse Heap	1901
627D	45	SW	Unspecified Disused Tip	1982
628D	45	SW	Unspecified Tip	1975
629E	45	SE	Brick Works	1903
630DI	47	SE	Cuttings	1938
631DJ	48	SW	Unspecified Disused Tip	1992
632S	49	SE	Brick Works	1915
633R	49	SE	Brick Works	1921
634DK	58	N	Unspecified Shaft	1875

635G	61	SE	Brick Works	1938
636G	61	SE	Brick Works	1938
637O	62	SE	Brick Works	1901
638DL	65	NW	Refuse Heap	1903
639DM	71	E	Reservoirs	1921
640DN	72	N	Refuse Heap	1903
641DO	72	NE	Unspecified Ground Workings	1965
642DH	74	NE	Reservoirs	1922
643DH	74	NE	Reservoirs	1922
644DM	75	E	Reservoirs	1915
645DP	76	S	Reservoir	1938
646DM	77	E	Reservoirs	1938
647	77	S	Reservoir	1921
648DH	78	NE	Reservoirs	1901
649DH	78	E	Reservoirs	1948
650DQ	78	SW	Unspecified Tips	1901
651DP	79	S	Reservoir	1903
652DM	80	NE	Reservoirs	1903
653DP	87	S	Reservoir	1901
654DP	91	S	Reservoir	1922
655DP	91	S	Reservoir	1922
656DP	91	S	Reservoir	1915
657	94	S	Pond	1875
658	97	NW	Air Shaft	1875
659DR	109	NE	Unspecified Ground Workings	1992
660G	116	SE	Brick Works	1922
661G	116	SE	Brick Works	1922
662DM	118	NE	Reservoirs	1922
663DM	118	NE	Reservoirs	1922
664DO	121	NE	Reservoirs	1901
665P	145	SE	Unspecified Pits	1903
666U	149	SE	Cuttings	1938
667DS	152	SE	Refuse Heap	1903
668P	154	SE	Unspecified Ground Workings and Heap	1922
669P	154	SE	Unspecified Ground Workings and Heap	1922
670P	156	SE	Unspecified Pits	1948
671P	157	SE	Unspecified Ground Workings	1915
672P	158	SE	Unspecified Ground Workings	1901
673R	158	SE	Unspecified Ground Workings	1938
674R	158	SE	Unspecified Ground Workings	1938

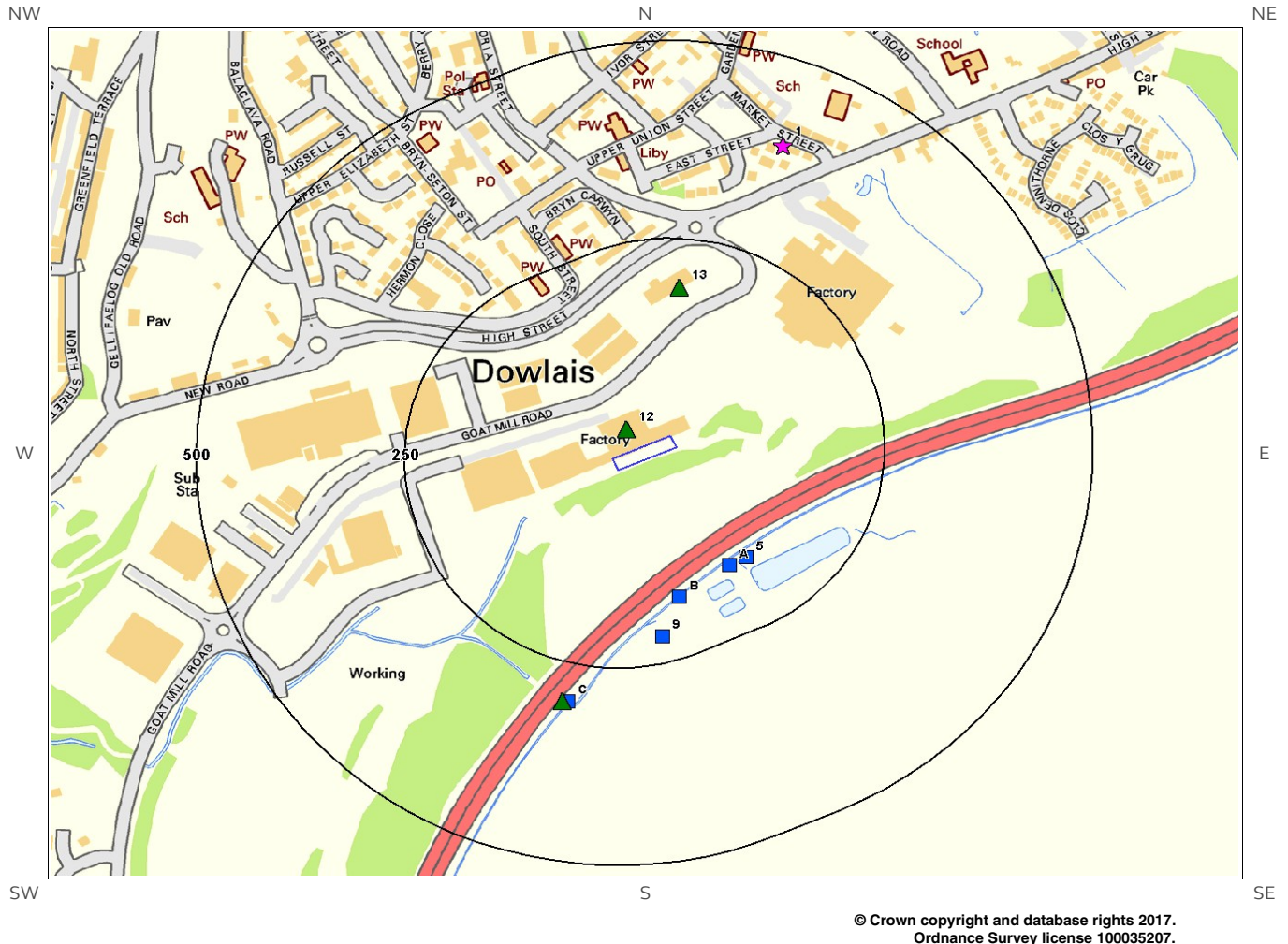
675DT	160	SW	Refuse Heap	1965
676G	160	SE	Reservoir	1903
677G	160	SE	Reservoir	1948
678DU	161	SE	Unspecified Ground Workings	1921
679G	163	SE	Reservoir	1901
680R	164	SE	Refuse Heap	1982
681R	164	SE	Refuse Heap	1975
682G	169	SE	Reservoir	1875
683G	172	SE	Reservoir	1938
684B	180	SW	Unspecified Pit	1875
685W	188	E	Brick Works	1875
686Z	189	NE	Unspecified Pits	1948
687X	212	SE	Unspecified Pit	1948
688X	212	SE	Unspecified Ground Workings	1922
689X	212	SE	Unspecified Ground Workings	1922
690X	212	SE	Unspecified Ground Workings	1915
691X	213	SE	Unspecified Ground Workings	1921
692X	218	SE	Unspecified Heaps	1965
693	243	NE	Air Shaft	1875
694DV	246	S	Unspecified Tip	1921
695V	249	NE	Unspecified Ground Workings	1922
696V	249	NE	Unspecified Ground Workings	1922
697V	251	NE	Unspecified Pit	1915
698V	253	NE	Unspecified Pit	1938
699V	253	NE	Unspecified Pit	1938
700DW	253	NE	Unspecified Pit	1921
701AA	268	NE	Unspecified Heap	1921
702DX	270	SE	Cuttings	1903
703AA	272	NE	Unspecified Heap	1922
704AA	272	NE	Unspecified Heap	1922
705AC	273	SE	Cuttings	1965
706	273	N	Reservoir	1875
707AC	274	SE	Cuttings	1901
708AC	275	SE	Cuttings	1948
709DY	275	NE	Unspecified Ground Workings	1901
710DY	277	NE	Unspecified Heap	1903
711AC	277	SE	Cuttings	1938
712DZ	279	SE	Cuttings	1965
713AF	294	E	Unspecified Ground Workings	1915

714AF	297	E	Unspecified Ground Workings	1922
715AF	297	E	Unspecified Ground Workings	1922
716AG	297	SW	Unspecified Tip	1938
717AG	297	SW	Unspecified Tip	1938
718AF	300	E	Unspecified Ground Workings	1921
719AH	300	SW	Unspecified Tip	1915
720AH	300	SW	Unspecified Tip	1922
721AH	300	SW	Unspecified Tip	1922
722EA	309	S	Cuttings	1938
723AG	309	S	Refuse Heap	1922
724AG	309	S	Refuse Heap	1922
725AN	310	SE	Disused Ironstone Pit	1948
726AI	313	S	Unspecified Disused Tip	1992
727AI	314	S	Unspecified Disused Tip	1975
728AI	314	S	Unspecified Disused Tip	1982
729	314	SW	Reservoir	1875
730EB	324	SE	Unspecified Ground Workings	1901
731EC	325	W	Ironstone Level	1875
732AF	326	E	Unspecified Heap	1938
733AF	326	E	Unspecified Heap	1938
734	340	SW	Pond	1875
735ED	344	E	Cuttings	1903
736AN	347	SE	Ground Workings and Refuse Heap	1915
737CD	349	SE	Ironstone Pit	1875
738EE	351	SE	Unspecified Ground Workings	1948
739AL	353	NE	Air Shaft	1875
740EF	358	NW	Burial Ground	1875
741AN	361	SE	Refuse Heap	1922
742AN	361	SE	Refuse Heap	1922
743AN	361	SE	Ironstone Pit	1938
744AN	364	SE	Refuse Heap	1921
745EG	365	N	Grave Yard	1875
746AR	366	SE	Unspecified Ground Workings	1922
747AR	366	SE	Unspecified Ground Workings	1922
748EH	366	SE	Cuttings	1938
749AR	368	SE	Unspecified Ground Workings	1921
750AV	380	SE	Unspecified Disused Tip	1975
751AV	380	SE	Unspecified Disused Tip	1982
752BD	385	SE	Unspecified Ground Workings	1965

753AR	391	E	Unspecified Heap	1901
754AR	392	E	Unspecified Ground Workings	1903
755EI	394	W	Old Ironstone Levels	1901
756BL	394	SE	Unspecified Disused Pit	1903
757BH	394	SE	Unspecified Pit	1903
758BQ	395	SE	Refuse Heap	1901
759AR	396	E	Pond	1901
760EJ	396	E	Unspecified Ground Workings	1948
761EK	397	SE	Unspecified Ground Workings	1901
762EL	398	W	Refuse Heap	1903
763EM	399	SE	Unspecified Disused Tip	1992
764EN	399	SW	Shale Tip	1921
765EO	405	SE	Unspecified Pit	1901
766EP	412	SE	Ponds	1903
767BK	416	SE	Pond	1975
768BK	416	SE	Pond	1982
769BK	416	SE	Pond	1992
770EP	417	SE	Pond	1901
771EQ	418	W	Unspecified Ground Workings	1875
772ER	420	S	Unspecified Level	1875
773BC	420	S	Unspecified Pit	1922
774BC	420	S	Unspecified Pit	1922
775BC	421	S	Unspecified Pit	1948
776BK	424	SE	Unspecified Pit	1965
777BL	425	SE	Ponds	1875
778BE	426	W	Filtering Beds	1903
779BD	426	SE	Unspecified Pit	1901
780BE	428	SW	Filtering Beds	1901
781EP	431	SE	Pond	1901
782BP	440	W	Refuse Heap	1901
783BK	441	SE	Unspecified Ground Workings	1922
784BK	441	SE	Unspecified Ground Workings	1922
785	442	SE	Unspecified Ground Workings	1901
786BK	444	SE	Unspecified Pit	1948
787BR	445	W	Unspecified Disused Tips	1992
788BN	446	S	Unspecified Disused Tips	1982
789BN	446	S	Unspecified Disused Tips	1975
790ES	446	SE	Unspecified Pit	1875
791ET	447	S	Unspecified Disused Tips	1992
792BP	447	W	Refuse Heap	1903

793EU	448	W	Unspecified Ground Workings	1875
794BR	450	W	Unspecified Disused Tips	1975
795BR	450	W	Unspecified Disused Tips	1982
796AQ	453	NE	Brick Kilns	1875
797BU	457	SE	Shale Tip	1922
798BU	457	SE	Shale Tip	1922
799BV	459	S	Unspecified Heap	1922
800BV	459	S	Unspecified Heap	1922
801BV	459	S	Unspecified Heap	1948
802BV	462	S	Unspecified Heap	1938
803BV	462	S	Unspecified Heap	1938
804BV	462	S	Unspecified Old Quarry	1915
805BX	462	S	Unspecified Ground Workings	1965
806BW	462	E	Shale Tip	1922
807BW	462	E	Shale Tip	1922
808BX	470	S	Old Quarry	1921
809BV	472	S	Unspecified Old Quarry	1903
810BX	478	S	Unspecified Old Quarry	1901
811BX	483	S	Unspecified Old Quarry	1922
812BX	483	S	Unspecified Old Quarry	1922
813CB	484	S	Unspecified Heap	1922
814CB	484	S	Unspecified Heap	1922
815BX	484	S	Unspecified Old Quarry	1948
816BX	488	S	Unspecified Old Quarry	1938
817CB	493	S	Unspecified Heap	1921
818EV	494	E	Ironstone Pit	1921

2. Environmental Permits, Incidents and Registers Map



- | | | |
|--------------------|-------------------------------|--|
| Site Outline | Recorded Pollution Incident | RAS 3 & 4 Authorisations |
| Search Buffers (m) | Dangerous Substances (List 1) | Part A(1) Authorised Processes and Historic IPC Authorisations |
| | Dangerous Substances (List 2) | Part A(2) and Part B Authorised Processes |
| | Water Industry Referrals | COMAH / NIHHS Sites |
| | Licenced Discharge Consents | Sites Determined as Contaminated Land |
| | Red List Discharge Consents | Hazardous Substance Consents and Enforcements |

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency/Natural Resources Wales and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

0

Database searched and no data found.

2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:

0

Database searched and no data found.

2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

3

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
12	26	NW	306656 207460	Address: Stephens & George Ltd, Goat Mill Road, Dowlais, Merthyr Tydfil, CF48 3TD Process: Printing Status: Current Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
13	186	N	306720 207640	Address: The LUC Group, Unit 6, Goat Mill Road, Dowlais, CF48 3TD Process: Di-isocyanate Processes Status: Current Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
14C	302	S	306579 207116	Address: Celtic Energy Ltd, Great White Tip Opencast Site, Goatmill Road Process: Process: N/A Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

10

The following Licensed Discharge Consents records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
2A	163	SE	306780 207290	Address: WATER TREATMENT AREA FINAL EFFLUENT, WATER TREATMENT AREA FINAL EFFLU, FFOS Y FRAN LAND RECS SCHEME, MERTHYR TYDFIL, MID GLAMORGAN Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRDB3131AF Permit Version: 1 Receiving Water: TRIB OF NANT BARGOED TAFF Status: VARIED UNDER EPR 2010 Issue date: 30/03/2012 Effective Date: 30-Mar-2012 Revocation Date: 01/07/2013

ID	Distance (m)	Direction	NGR	Details
3A	163	SE	306780 207290	<p>Address: WATER TMNT AREA WB (STORM) REC SCME, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL, WALES</p> <p>Effluent Type: TRADE DISCHARGES - SITE DRAINAGE</p> <p>Permit Number: AN0264502</p> <p>Permit Version: 3</p> <p>Receiving Water: TRIB OF NANT MORLAIS</p> <p>Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995)</p> <p>Issue date: 02/10/1997</p> <p>Effective Date: 09-Jan-1999</p> <p>Revocation Date: 29/03/2012</p>
4A	163	SE	306780 207290	<p>Address: WATER TREATMENT AREA FINAL EFFLUENT, WATER TREATMENT AREA FINAL EFFLU, FFOS Y FRAN LAND REC SCHEME, MERTHYR TYDFIL, MID GLAMORGAN</p> <p>Effluent Type: TRADE DISCHARGES - SITE DRAINAGE</p> <p>Permit Number: EPRDB3131AF</p> <p>Permit Version: 2</p> <p>Receiving Water: TRIB OF NANT BARGOED TAFF</p> <p>Status: VARIED UNDER EPR 2010</p> <p>Issue date: 02/07/2013</p> <p>Effective Date: 02-Jul-2013</p> <p>Revocation Date: -</p>
5	163	SE	306800 207300	<p>Address: WATER TMNT AREA WB (STORM) REC SCME, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL, ,</p> <p>Effluent Type: TRADE DISCHARGES - UNSPECIFIED</p> <p>Permit Number: AN0264502</p> <p>Permit Version: 2</p> <p>Receiving Water: NANT MORLAIS</p> <p>Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995)</p> <p>Issue date: 02/10/1997</p> <p>Effective Date: 03-Oct-1997</p> <p>Revocation Date: 08/01/1999</p>
6B	176	SE	306720 207250	<p>Address: WTR TMNT AREA WB(FINAL LAG) REC SCM, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL, WALES</p> <p>Effluent Type: TRADE DISCHARGES - SITE DRAINAGE</p> <p>Permit Number: AN0264501</p> <p>Permit Version: 3</p> <p>Receiving Water: NANT MORLAIS</p> <p>Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995)</p> <p>Issue date: 02/10/1997</p> <p>Effective Date: 09-Jan-1999</p> <p>Revocation Date: 29/03/2012</p>
7B	176	SE	306720 207250	<p>Address: WATER TREATMENT AREA FINAL EFFLUENT, WATER TREATMENT AREA FINAL EFFLU, FFOS Y FRAN LAND REC SCHEME, MERTHYR TYDFIL, MID GLAMORGAN</p> <p>Effluent Type: TRADE DISCHARGES - SITE DRAINAGE</p> <p>Permit Number: EPRDB3131AF</p> <p>Permit Version: 1</p> <p>Receiving Water: TRIB OF NANT BARGOED TAFF</p> <p>Status: VARIED UNDER EPR 2010</p> <p>Issue date: 30/03/2012</p> <p>Effective Date: 30-Mar-2012</p> <p>Revocation Date: 01/07/2013</p>
8B	176	SE	306720 207250	<p>Address: WATER TREATMENT AREA FINAL EFFLUENT, WATER TREATMENT AREA FINAL EFFLU, FFOS Y FRAN LAND REC SCHEME, MERTHYR TYDFIL, MID GLAMORGAN</p> <p>Effluent Type: TRADE DISCHARGES - SITE DRAINAGE</p> <p>Permit Number: EPRDB3131AF</p> <p>Permit Version: 2</p> <p>Receiving Water: TRIB OF NANT BARGOED TAFF</p> <p>Status: VARIED UNDER EPR 2010</p> <p>Issue date: 02/07/2013</p> <p>Effective Date: 02-Jul-2013</p> <p>Revocation Date: -</p>
9	217	S	306700 207200	<p>Address: WATER TMNT AREA WB (FINAL) REC SCME, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL, ,</p> <p>Effluent Type: TRADE DISCHARGES - UNSPECIFIED</p> <p>Permit Number: AN0264501</p> <p>Permit Version: 2</p> <p>Receiving Water: NANT MORLAIS</p> <p>Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995)</p> <p>Issue date: 02/10/1997</p> <p>Effective Date: 03-Oct-1997</p> <p>Revocation Date: 08/01/1999</p>
10C	298	S	306586 207118	<p>Address: WATER TMNT AREA WB (FINAL) REC SCME, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL, ,</p> <p>Effluent Type: TRADE DISCHARGES - UNSPECIFIED</p> <p>Permit Number: AN0264501</p> <p>Permit Version: 1</p> <p>Receiving Water: NANT MORLAIS</p> <p>Status: REVOKED - UNSPECIFIED</p> <p>Issue date: 23/07/1996</p> <p>Effective Date: 23-Jul-1996</p> <p>Revocation Date: 02/10/1997</p>

ID	Distance (m)	Direction	NGR	Details
11C	298	S	306586 207118	<p>Address: WATER TMNT AREA WB (STORM) REC SCME, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL, , Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0264502 Permit Version: 1</p> <p>Receiving Water: NANT MORLAIS Status: REVOKED - UNSPECIFIED Issue date: 23/07/1996 Effective Date: 23-Jul-1996 Revocation Date: 02/10/1997</p>

2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:

0

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site:

0

Database searched and no data found.

2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

1

The following NIRS List 2 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
1	391	N	306844 207822	<p>Incident Date: 20-May-2001 Incident Identification: 6092 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Effects on Humans</p> <p>Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)</p>

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

0

Database searched and no data found.

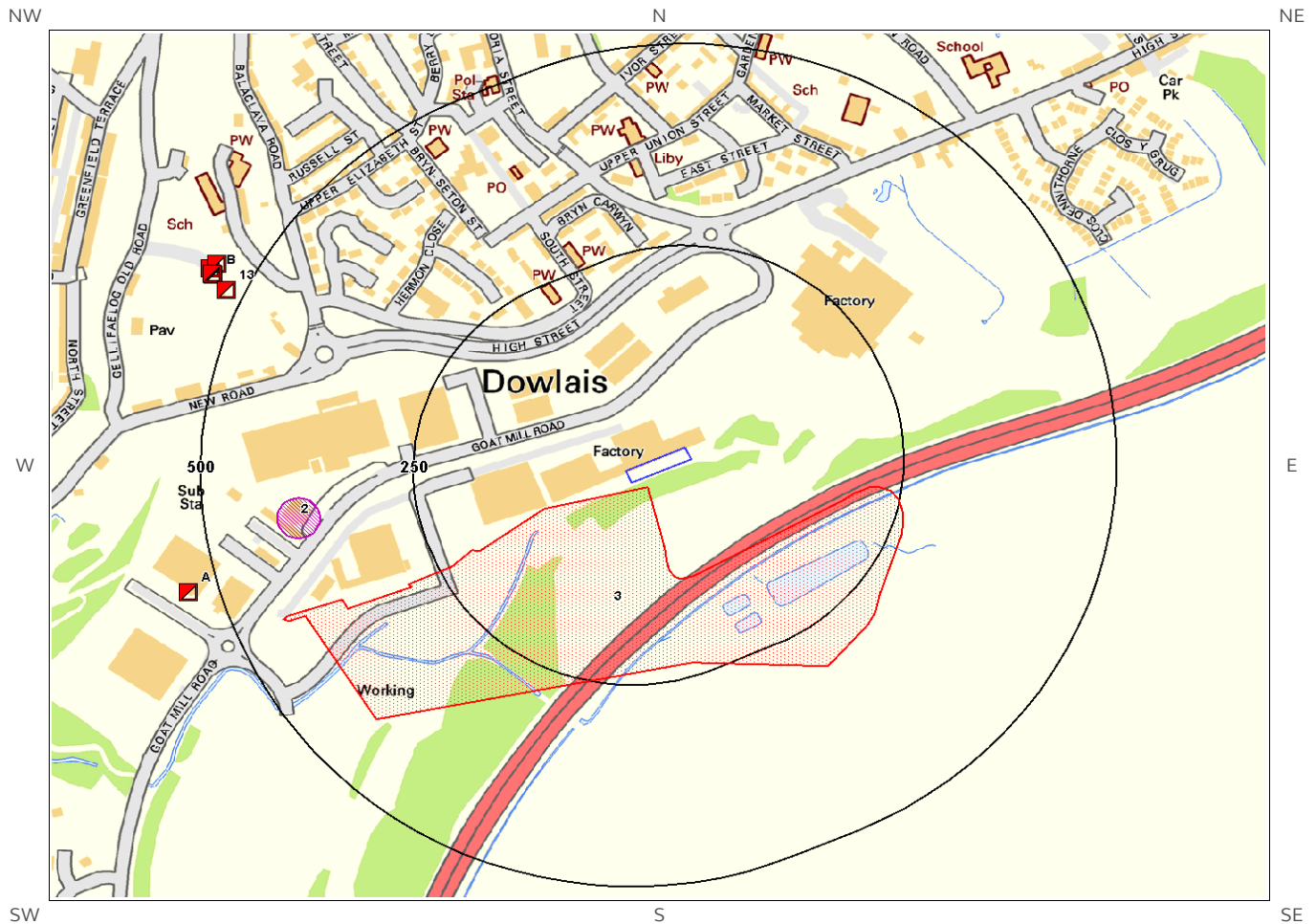
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

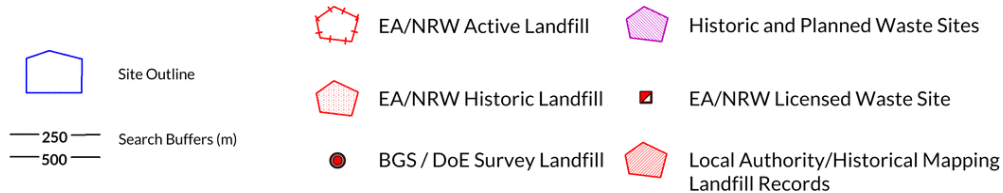
0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site:

10

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
3	9	S	306600 207200	<p>Site Address: BSC Dowlais Tips, Goat Mill Road, Dowlais, Merthy Tydfil</p> <p>Waste Licence: Yes</p> <p>Site Reference: 3</p> <p>Waste Type: Inert, Industrial, Commercial, Liquid, sludge</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue: 21-Jul-1978</p> <p>Licence Surrendered: 31-Dec-1988</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: British Steel Corporation</p> <p>First Recorded: 31-Dec-1978</p> <p>Last Recorded: 31-Dec-1998</p>
Not shown	813	S	306900 206300	<p>Site Address: Cwmbargoed Road, Merthyr, Glamorgan</p> <p>Waste Licence: -</p> <p>Site Reference: -</p> <p>Waste Type: Industrial, Commercial, Liquid, sludge</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue:</p> <p>Licence Surrendered:</p> <p>Licence Holder Address: -</p> <p>Operator: Merthyr Tydfil County Borough Council</p> <p>Licence Holder: -</p> <p>First Recorded: 31-Oct-1972</p> <p>Last Recorded: -</p>
Not shown	1232	S	307200 206100	<p>Site Address: Cwmbargoed Tip, Adjacent to Railway, Cwmbargoed Tip, Cwmbargoed</p> <p>Waste Licence: -</p> <p>Site Reference: -</p> <p>Waste Type: Inert, Commercial, Household</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue:</p> <p>Licence Surrendered:</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: MTBC</p> <p>First Recorded: 31-Dec-1980</p> <p>Last Recorded: 31-Dec-1992</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1343	W	305300 207700	Site Address: Greenie, Galon Uchaf Waste Licence: Yes Site Reference: - Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Merthyr Tydfil Borough Council First Recorded: 31-Dec-1960 Last Recorded: 31-Dec-1975
Not shown	1361	S	307100 206100	Site Address: Cwmbargoed Main, Cwmbargoed Road, Merthyr Waste Licence: - Site Reference: - Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: 31-Dec-1977 Last Recorded: 31-Dec-1989
Not shown	1431	E	308200 207700	Site Address: Trecatti Council, Fochrin Road, Merthyr Tydfil, Dowlais Top Waste Licence: Yes Site Reference: 15 Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid, sludge Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 10-Oct-1983 Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Merthyr Tydfil Borough Council First Recorded: 31-Dec-1974 Last Recorded: 21-Jul-1993
Not shown	1438	S	306500 205800	Site Address: Bogey Road Tip, Merthyr Tydfil Waste Licence: - Site Reference: - Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Roy Thomas First Recorded: 31-Dec-1980 Last Recorded: 31-Dec-1985
Not shown	1443	NE	308000 208200	Site Address: Royal Arms Group, Pant-y-waun, Merthyr Tydfil, Mid Glamorgan Waste Licence: - Site Reference: - Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: National Coal Board Licence Holder: - First Recorded: 30-Sep-1970 Last Recorded: 31-Dec-1989
Not shown	1449	NE	307800 208400	Site Address: Jasonic, Dowlais Top Waste Licence: Yes Site Reference: 910121 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 23-Sep-1991 Licence Surrendered: 16-Mar-1993 Licence Holder Address: - Operator: - Licence Holder: M and J Brown First Recorded: 31-Dec-1991 Last Recorded: 31-Dec-1992
Not shown	1475	S	306600 205800	Site Address: Incline Side, Bogey Road, Mountain Hare, Merthyr Tydfil Waste Licence: Yes Site Reference: - Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 23-Mar-1989 Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: 31-Dec-1989 Last Recorded: 31-Dec-1990

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

1

The following landfill records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
Not shown	1139	S	306900.0 206300.0	Address: Cwmbargoed Rd, Merthyr, Glam BGS Number: 2722.0 Risk: No risk to aquifer Waste Type: N/A

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

15

The following landfill records are represented as points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
Not shown	850	NE	307164 208191	Refuse Tip	1966 mapping	Polygon
Not shown	851	NE	307164 208192	Refuse Tip	1966 mapping	Polygon
Not shown	1104	N	306745 208567	Refuse Tip	1966 mapping	Polygon
Not shown	1105	N	306745 208568	Refuse Tip	1966 mapping	Polygon
Not shown	1120	SW	306049 206428	Refuse Tip	1973 mapping	Polygon
Not shown	1122	E	307838 207688	Refuse Tip	1961 mapping	Polygon
Not shown	1166	SW	306017 206383	Refuse Tip	1973 mapping	Polygon
Not shown	1277	W	305249 207200	Refuse Tip	1963 mapping	Polygon
Not shown	1278	W	305249 207200	Refuse Tip	1963 mapping	Polygon
Not shown	1349	W	305208 207459	Disused Refuse Tip	1969 mapping	Polygon
Not shown	1367	NE	307352 208684	Refuse Tip	1966 mapping	Polygon
Not shown	1367	NE	307352 208684	Refuse Tip	1956 mapping	Polygon
Not shown	1406	W	305219 207662	Refuse Tip	1963 mapping	Polygon
Not shown	1407	W	305219 207663	Refuse Tip	1963 mapping	Polygon
Not shown	1430	E	308226 207750	Refuse Tip	1991 mapping	Polygon

3.2 Other Waste Sites

3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:

1

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
2	364	W	306255 207366	Type of Site: Waste & Dust Extraction Plant Site Address: Stephens & George Ltd, Goat Mill Road, Dowlais, MERTHYR TYDFIL, Mid Glamorgan, CF48 3TD Planning Application Reference: P/06/0101 Date: -	Further Details: Scheme comprises extension to house waste and dust extraction plant. An application (ref: P/06/0101) for detailed planning permission was granted by Merthyr Tydfil B.C. Planning decision obtained Data Source: Historic Planning Application Data Type: Point

3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

16

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

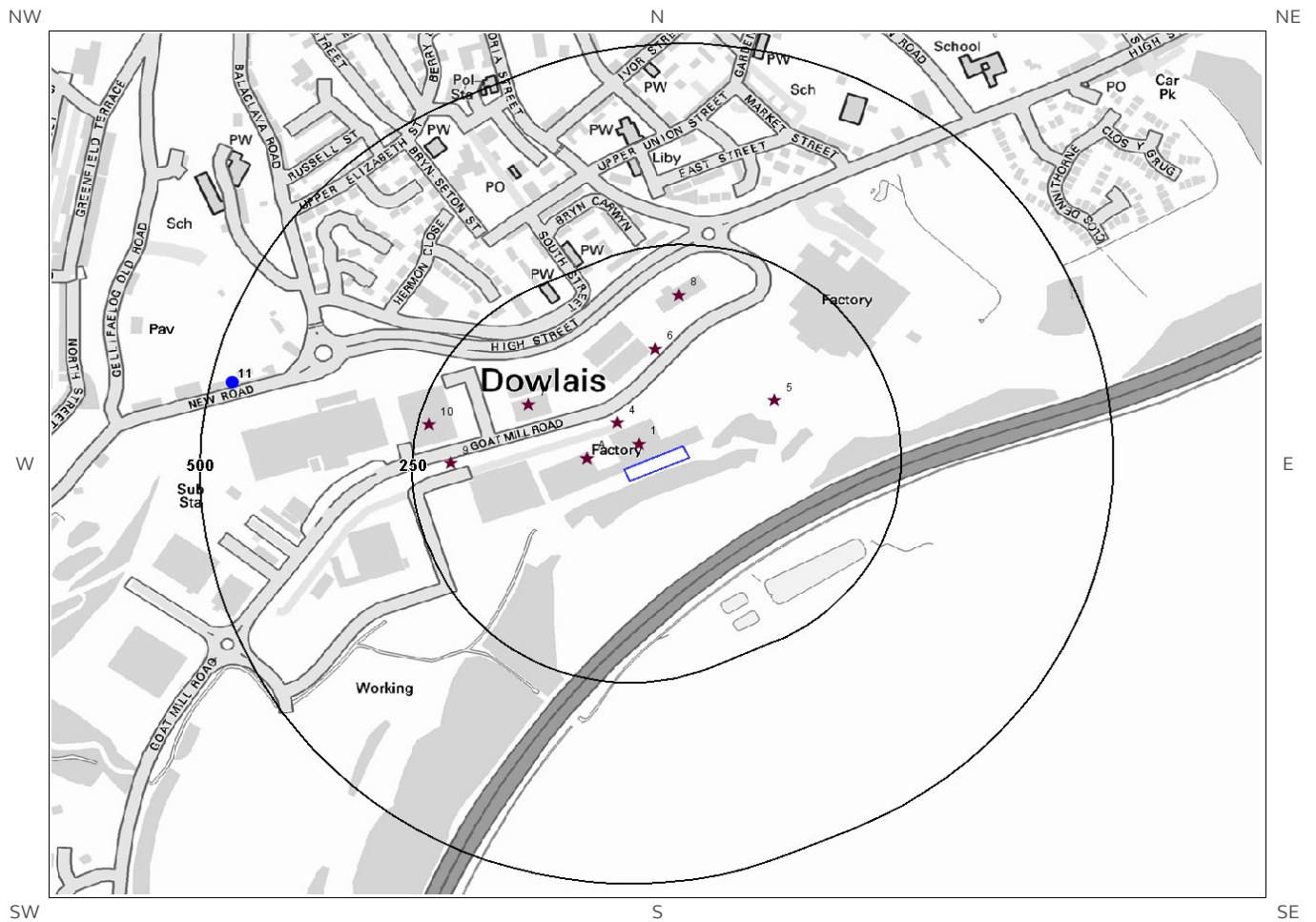
ID	Distance (m)	Direction	NGR	Details	
13	521	NW	306170 207650	Site Address: Dowlais Civic Amenity Site, Land At Rear Of Horse & Groom Inn, Dowlais, Merthyr Tydfil, CF48 2YF Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIL010 EPR reference: - Operator: Silent Valley Waste Services Ltd Waste Management licence No: 30001 Annual Tonnage: 24999.0	Issue Date: 24/06/1992 Effective Date: - Modified: 11/03/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Dowlais Civic Amenity Site Correspondence Address: Beechwood House, Cwm, Ebbw Vale, NP23 6PZ
14A	537	W	306125 207275	Site Address: Unit 2, Mill Court, Goat Mill Road, Merthyr Tydfil, Glamorgan, CF47 0AH Type: Special Waste Transfer Station Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: WAS005 EPR reference: EP3495FW/S003 Operator: Indigo Equity Holdings Waste Management licence No: 30341 Annual Tonnage: 0.0	Issue Date: 28/01/2005 Effective Date: - Modified: - Surrendered Date: 05/06/2007 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Waste Solutions Limited Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details
15A	537	W	306125 207275	<p>Site Address: Unit 2, Mill Court, Goat Mill Road, Merthyr Tydfil, CF47 0AH Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS005 EPR reference: - Operator: Indigo Equity Holdings Waste Management licence No: 30341 Annual Tonnage: 0.0</p> <p>Issue Date: 28/01/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Waste Solutions Limited Correspondence Address: Unit 2, Mill Court, Goat Mill Road, Merthyr Tydfil, CF47 0AH</p>
16A	537	W	306125 207275	<p>Site Address: Unit 2, Mill Court, Goat Mill Road, Merthyr Tydfil, Glamorgan, CF47 0AH Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS005 EPR reference: EA/EPR/EP3495FW/S003 Operator: Indigo Equity Holdings Waste Management licence No: 30341 Annual Tonnage: 0.0</p> <p>Issue Date: 28/01/2005 Effective Date: - Modified: - Surrendered Date: 05/06/2007 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Waste Solutions Limited Correspondence Address: -</p>
17B	544	NW	306154 207669	<p>Site Address: Dowlais Civic Amenity Site, Rear Of Horse & Groom Public House, Dowlais, Merthyr Tydfil, Glamorgan, CF48 3BT Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SUN041 EPR reference: ZB3797TH/T001 Operator: Sundorne Products (Ilanidloes) Ltd Waste Management licence No: 30353 Annual Tonnage: 4999.0</p> <p>Issue Date: 18/02/2005 Effective Date: 16/09/2013 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Dowlais C/a Site Correspondence Address: -</p>
18B	544	NW	306154 207669	<p>Site Address: Dowlais Civic Amenity Site, Rear Of Horse & Groom Public House, Dowlais, CF48 3BT Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EWC002 EPR reference: - Operator: Environmental Waste Controls Plc Waste Management licence No: 30353 Annual Tonnage: 4999.0</p> <p>Issue Date: 18/02/2005 Effective Date: 21/08/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Dowlais C/a Site Correspondence Address: E W C House, 298, Hale Road, Widnes, Cheshire, WA8 8PX</p>
19B	544	NW	306154 207669	<p>Site Address: Dowlais Civic Amenity Site, Rear Of Horse And Groom Public House, Dowlais, Merthyr Tydfil, CF48 3BT Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EWC002 EPR reference: - Operator: Environmental Waste Control Ltd Waste Management licence No: 30353 Annual Tonnage: 4999.0</p> <p>Issue Date: 18/02/2005 Effective Date: 21/08/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Dowlais C/a Site Correspondence Address: E W C House, 298, Hale Road, Widnes, Cheshire, WA8 8PX</p>

ID	Distance (m)	Direction	NGR	Details
20B	544	NW	306154 207669	<p>Site Address: Dowlais Civic Amenity Site, Rear Of Horse & Groom Public House, Dowlais, Merthyr Tydfil, Glamorgan, CF48 3BT</p> <p>Type: Household Waste Amenity Site Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: EWC002 EPR reference: EA/EPR/VP3895FA/T002 Operator: Environmental Waste Controls Plc</p> <p>Waste Management licence No: 30353 Annual Tonnage: 4999.0</p> <p>Issue Date: 18/02/2005 Effective Date: 21/08/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Dowlais C/a Site Correspondence Address: -</p>
21B	544	NW	306154 207669	<p>Site Address: Dowlais C/a Site, Dowlais, Merthyr Tydfil, Merthyr Tydfil, CF48 3BT</p> <p>Type: - Size: Unknown</p> <p>Environmental Permitting Regulations (Waste) Licence Number: ZB3797TH EPR reference: - Operator: Sundorne Products (Ilanidloes) Ltd</p> <p>Waste Management licence No: 0 Annual Tonnage: 4999.0</p> <p>Issue Date: 18/02/2005 Effective Date: 18/02/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective Site Name: - Correspondence Address: -</p>
22B	545	NW	306153 207670	<p>Site Address: Dowlais Civic Amenity Site, Land At Rear Of Horse & Groom Inn, Dowlais, Merthyr Tydfil, Glamorgan, CF48 3BT</p> <p>Type: Household Waste Amenity Site Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: SIL026 EPR reference: TP3699FD/T003 Operator: Environmental Waste Controls Ltd</p> <p>Waste Management licence No: 30001 Annual Tonnage: 24999.0</p> <p>Issue Date: 24/06/1992 Effective Date: 20/12/2007 Modified: 11/03/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Dowlais Civic Amenity Site Correspondence Address: -</p>
23B	545	NW	306153 207670	<p>Site Address: Dowlais Civic Amenity Site, Dowlais, Merthyr Tydfil, Merthyr Tydfil, CF48 3BT</p> <p>Type: - Size: Unknown</p> <p>Environmental Permitting Regulations (Waste) Licence Number: TP3699FD EPR reference: - Operator: Environmental Waste Controls Ltd</p> <p>Waste Management licence No: 0 Annual Tonnage: 24999.0</p> <p>Issue Date: 24/06/1992 Effective Date: 24/06/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective Site Name: - Correspondence Address: -</p>
24B	545	NW	306153 207670	<p>Site Address: Dowlais Civic Amenity Site, Land At Rear Of Horse & Groom Inn, Dowlais, Merthyr Tydfil, Mid Glamorgan, CF48 3BT</p> <p>Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: SIL026 EPR reference: - Operator: Environmental Waste Controls Ltd</p> <p>Waste Management licence No: 30001 Annual Tonnage: 24999.0</p> <p>Issue Date: 24/06/1992 Effective Date: 20/12/2007 Modified: 11/03/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Dowlais Civic Amenity Site Correspondence Address: Laurel House, Kitling Road, Knowsley Business Park, Prescot, Merseyside, L34 9JA</p>

ID	Distance (m)	Direction	NGR	Details	
25B	546	NW	306159 207682	Site Address: Dowlais Civic Amenity Site, Dowlais, Merthyr Tydfil, CF48 3DA Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CHA004 EPR reference: - Operator: Silent Valley Waste Services Ltd Waste Management licence No: 30353 Annual Tonnage: 0.0	Issue Date: 18/02/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Dowlais C/a Site Correspondence Address: Beechwood House, Cwm, Ebbw Vale, Gwent, NP23 6PZ
26B	550	NW	306151 207676	Site Address: Dowlais Civic Amenity Site, Land At Rear Of Horse & Groom Inn, Dowlais, Merthyr Tydfil Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIL010 EPR reference: - Operator: Silent Valley Waste Services Ltd Waste Management licence No: 30001 Annual Tonnage: 24999.0	Issue Date: 24/06/1992 Effective Date: - Modified: 11/03/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Dowlais Civic Amenity Site Correspondence Address: Beechwood House, Cwm, Ebbw Vale, NP23 6PZ
Not shown	1471	E	308163 207706	Site Address: Trecatti Landfill, Fochriw Road, Dowlais Top, Merthyr, Merthyr Tydfil, CF48 4AB Type: Co-Disposal Landfill Site Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF003 EPR reference: - Operator: Biffa Waste Services Ltd Waste Management licence No: 30105 Annual Tonnage: 912000.0	Issue Date: 21/07/1993 Effective Date: - Modified: 28/03/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Trecatti Landfill Correspondence Address: Biffa Waste Services, Fochriw Rd, Dowlais, Merthyr, Cf48 4ab, CF8 9QK
Not shown	1481	NE	307429 208749	Site Address: Abba Scrap, Unit 4, Pengarnddu, Merthyr Tydfil, CF48 2TY Type: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HUM001 EPR reference: - Operator: Humphries Alan & Colin David Jenkins Waste Management licence No: 30123 Annual Tonnage: 30000.0	Issue Date: 06/04/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Abba Scrap Correspondence Address: Unit 4, Pengarnddu Ind Est, Pengarnddu, Merthyr Tydfil, CF48 2TY

4. Current Land Use Map



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Site Outline

★ Current Industrial Sites

— Electricity Transmission Cables

— 250 — Search Buffers (m)
— 500 —

● Petrol & Fuel Sites

— Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site:

10

The following records are represented as points on the Current Land Uses map.

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	24	NW	Factory	306657 207458	Factory, CF48	Unspecified Works Or Factories	Industrial Features
2A	47	W	J D Express Ltd	306595 207439	J D Express Ltd, Woodforce House, Goat Mill Road, Dowlais, Merthyr Tydfil, CF48 3TD	Distribution and Haulage	Transport, Storage and Delivery
3A	47	W	Pelican Print Finishing	306595 207439	Pelican Print Finishing, Woodforce House, Goat Mill Road, Dowlais, Merthyr Tydfil, CF48 3TD	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
4	58	NW	Electricity Sub Station	306632 207484	Electricity Sub Station, CF48	Electrical Features	Infrastructure and Facilities
5	122	NE	Pylon	306817 207512	Pylon, CF48	Electrical Features	Infrastructure and Facilities
6	126	N	Electricity Sub Station	306676 207576	Electricity Sub Station, CF48	Electrical Features	Infrastructure and Facilities
7	139	NW	Supac	306527 207506	Supac, Unit 3, Goat Mill Road, Dowlais, Merthyr Tydfil, CF48 3TD	Electrical Production and Manipulation Equipment	Industrial Products
8	188	N	L U C	306703 207643	L U C, Unit 6, Goat Mill Road, Dowlais, Merthyr Tydfil, CF48 3TD	Rubber, Silicones and Plastics	Industrial Products
9	205	W	Pylon	306435 207434	Pylon, CF48	Electrical Features	Infrastructure and Facilities
10	238	W	Mitre	306409 207481	Mitre, Unit 1, Goat Mill Road, Dowlais, Merthyr Tydfil, CF48 3TD	Textiles, Fabrics, Silk and Machinery	Industrial Products

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site:

1

The following petrol or fuel site records provided by Catalist are represented as points on the Current Land Use map:

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
11	475	W	306178 207533	Esso	Rss Dowlais, New Road, New Road, Dowlais, Merthyr Tydfil, Merthyr Tydfil, CF48 3DA	No	Open

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site:

0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site:

0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

5.2 Superficial Ground and Drift Geology

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

5.3 Bedrock and Solid Geology

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
SWLCM-MDSS	SOUTH WALES LOWER COAL MEASURES FORMATION	MUDSTONE, SILTSTONE AND SANDSTONE

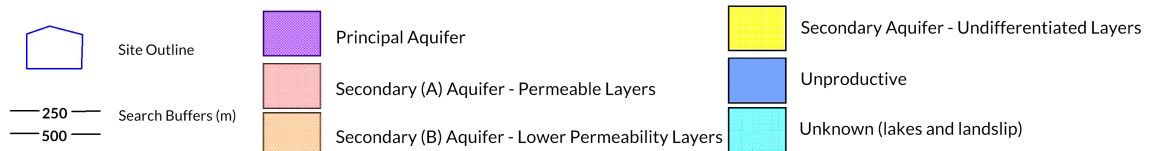
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

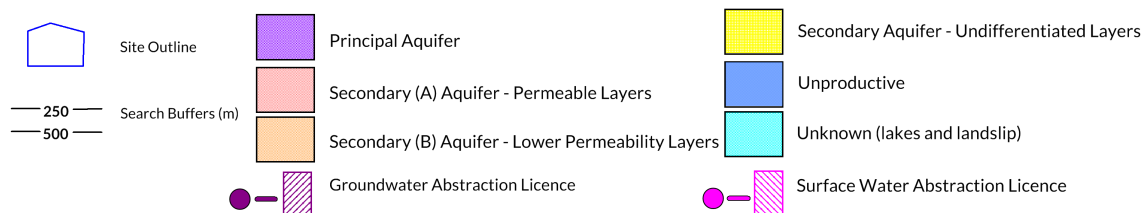
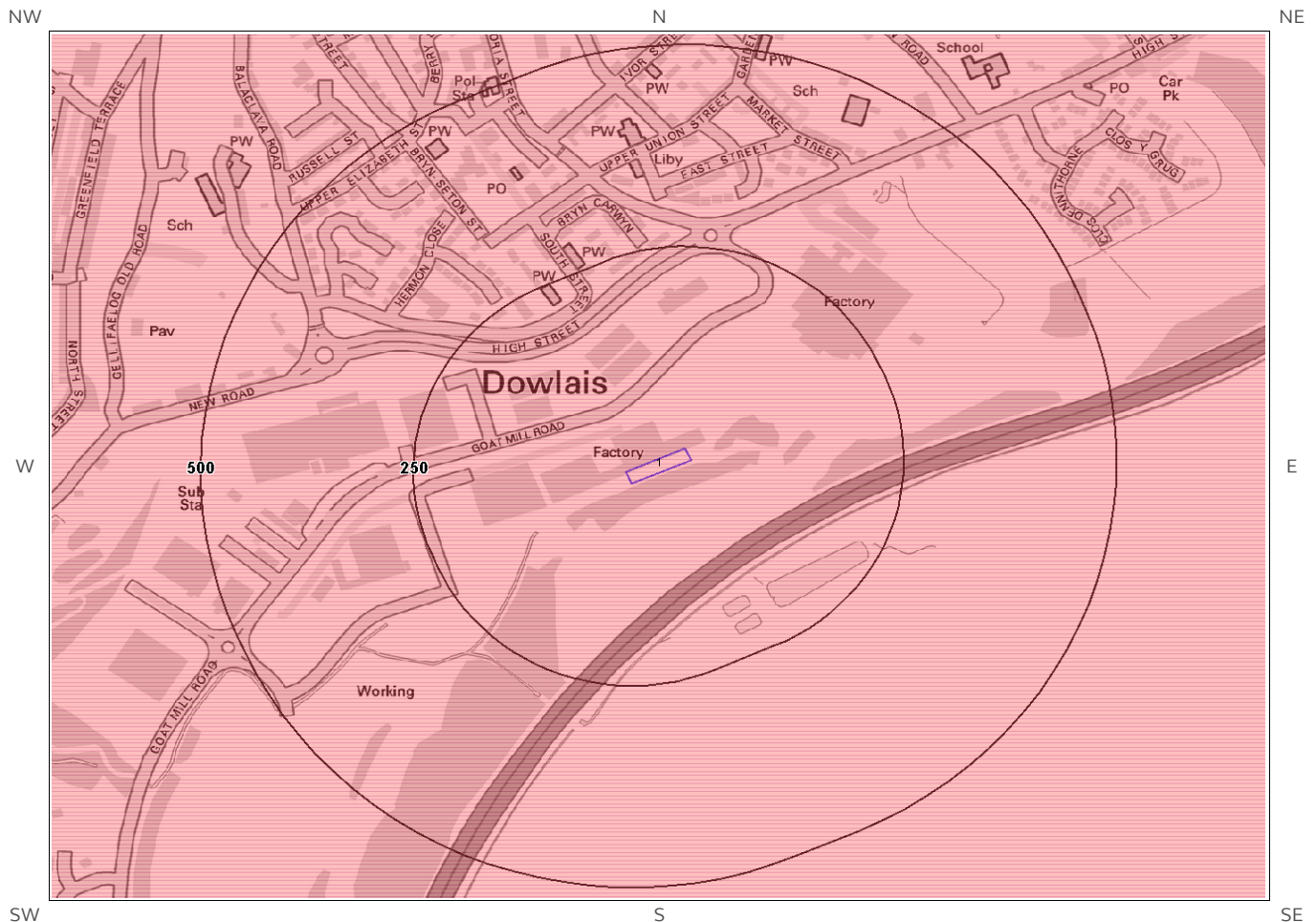
6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology

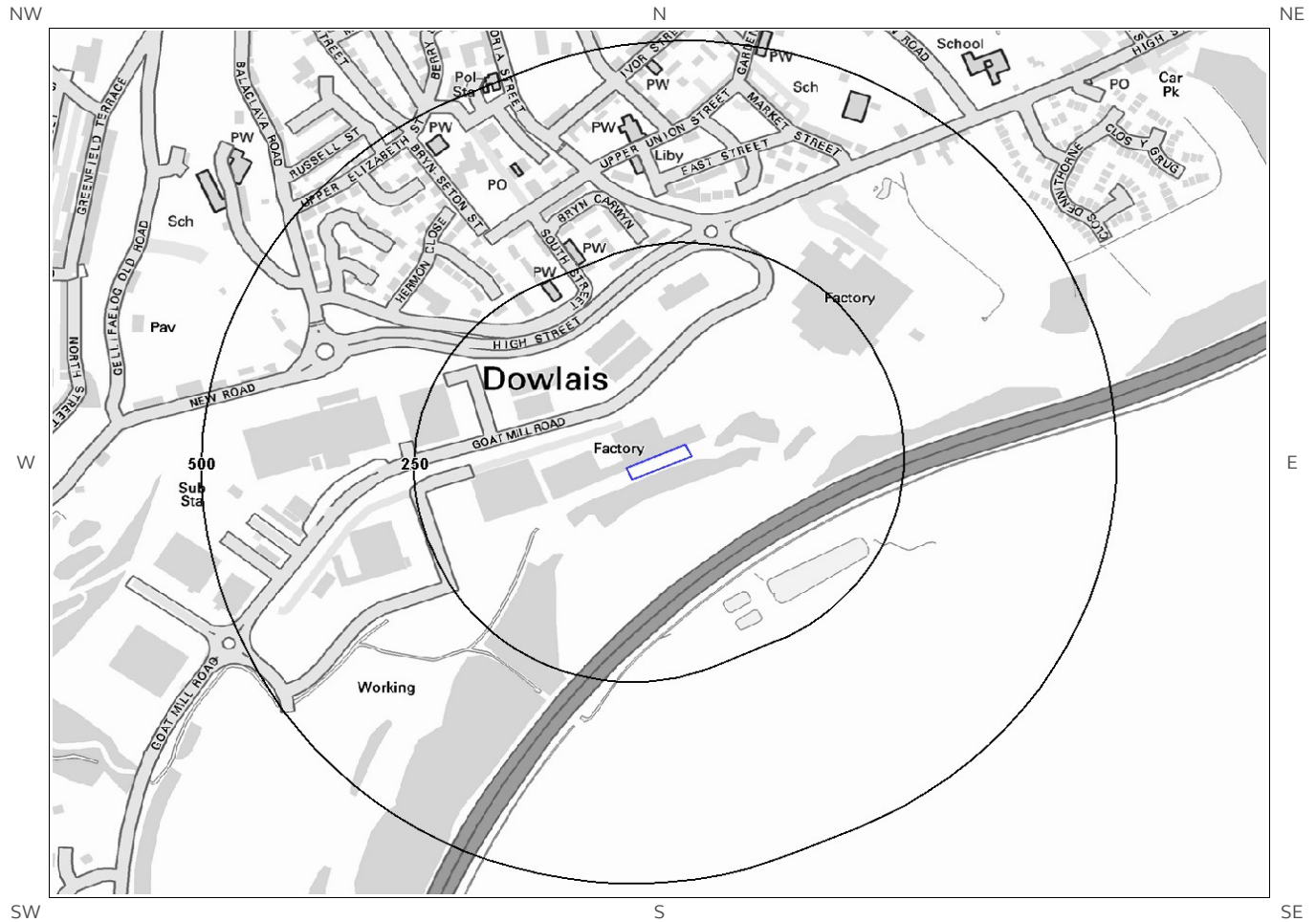


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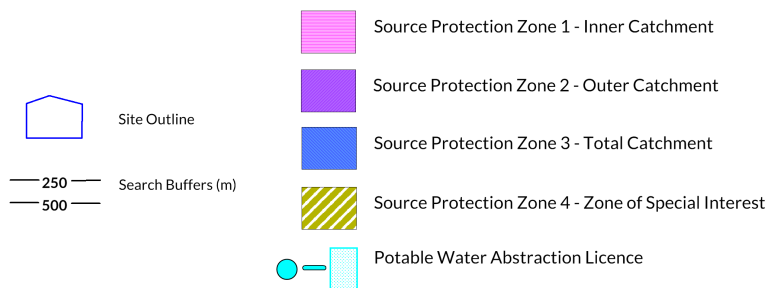




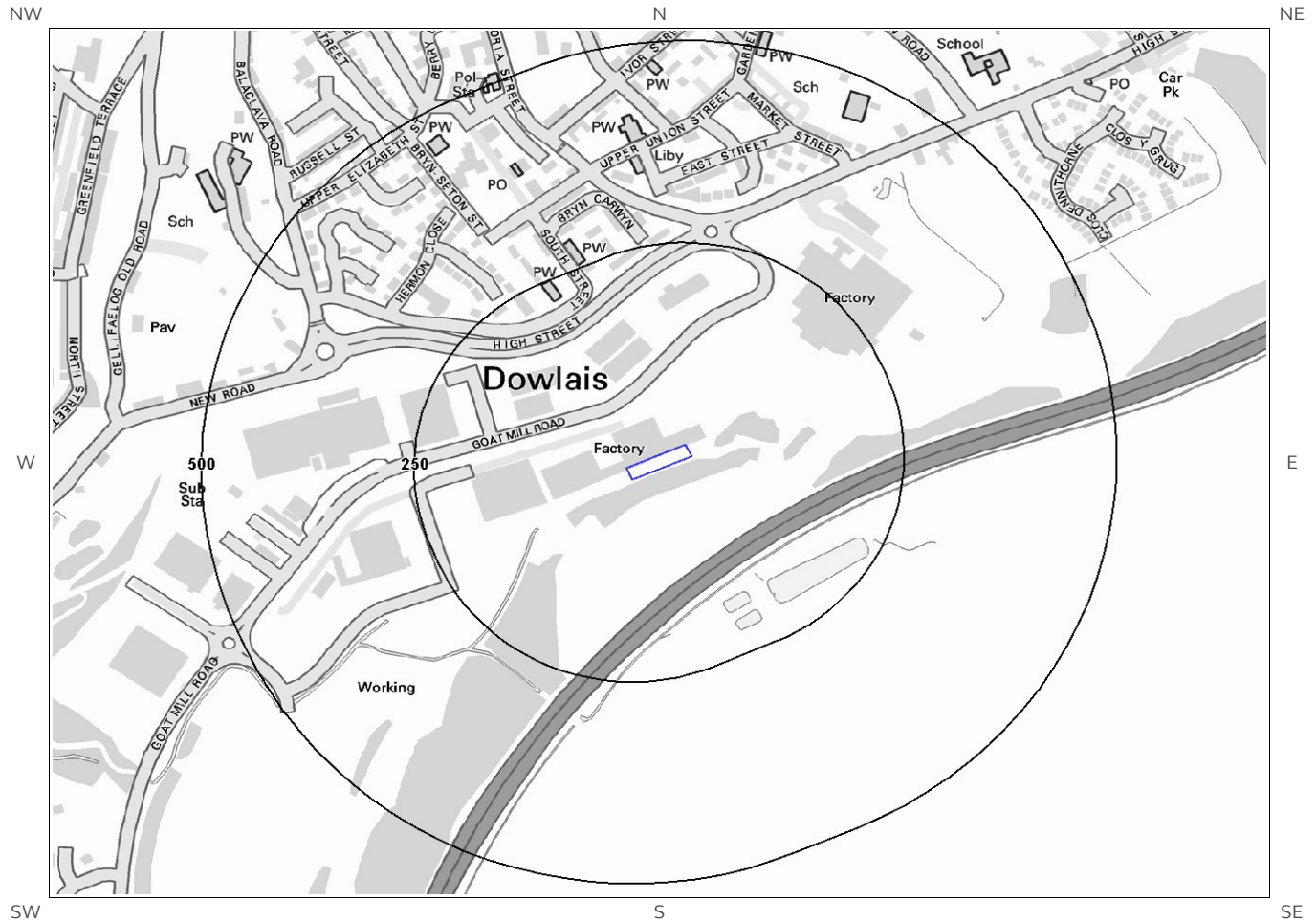
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



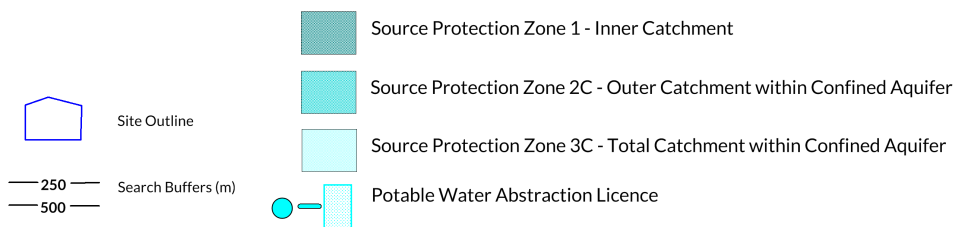
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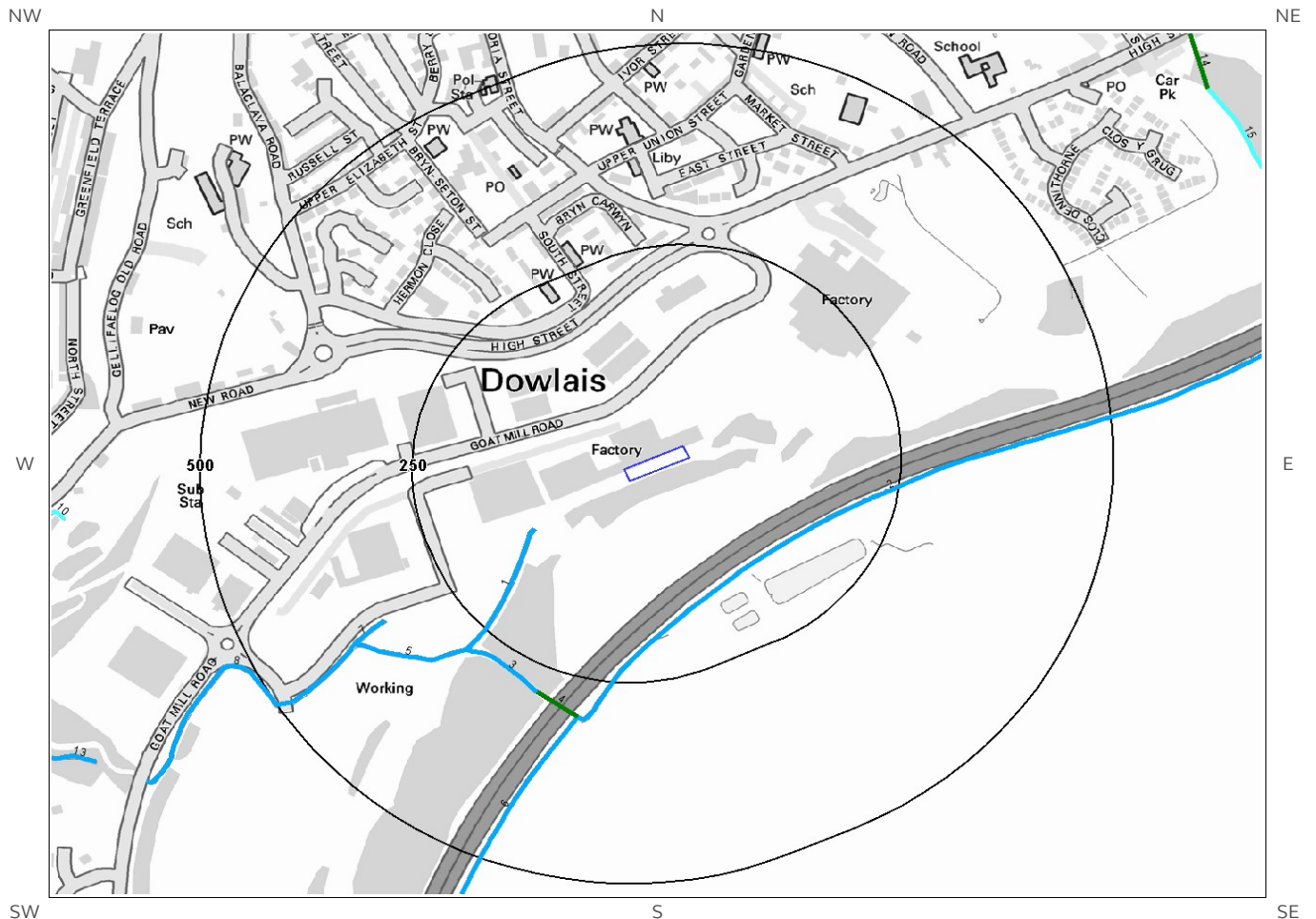
6d. Hydrogeology – Source Protection Zones within confined aquifer



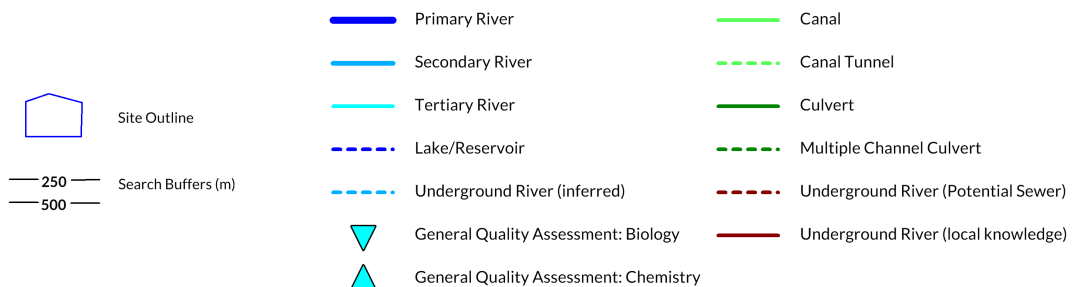
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6e. Hydrology – Detailed River Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of strata classification within the superficial geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (6a):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.2 Aquifer within Bedrock Deposits

Are there records of strata classification within the bedrock geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 2000m of the study site?

Yes

The following Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	1801	NE	308100 208600	Status: Historical Licence No: 21/57/22/0040 Details: Process Water Direct Source: Eaw Groundwater Point: Borehole (a) At St Merryn Meat Ltd, Dowlais Data Type: Point Name: St Merryn Meat Ltd Annual Volume (m³): 146000 Max Daily Volume (m³): 600 Original Application No: - Original Start Date: 7/9/1998 Expiry Date: - Issue No: 101 Version Start Date: 14/1/2000 Version End Date:
Not shown	1956	NE	308090 208840	Status: Historical Licence No: 21/57/22/0040 Details: Process Water Direct Source: Eaw Groundwater Point: Borehole (b) At St Merryn Meat Ltd, Dowlais Data Type: Point Name: St Merryn Meat Ltd Annual Volume (m³): 146000 Max Daily Volume (m³): 600 Original Application No: - Original Start Date: 7/9/1998 Expiry Date: - Issue No: 101 Version Start Date: 14/1/2000 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 2000m of the study site?

Yes

The following Surface Water Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	1208	SE	307830 206970	Status: Historical Licence No: 21/57/22/0026 Details: General Washing/Process Washing Direct Source: Eaw Surface Water Point: Morris Pond Data Type: Point Name: Miller Argent (South Wales) Ltd Annual Volume (m³): 4546 Max Daily Volume (m³): 681.9 Application No: - Original Start Date: 12/8/1977 Expiry Date: - Issue No: 103 Version Start Date: 14/12/2003 Version End Date:
Not shown	1505	SE	307700 206300	Status: Active Licence No: 21/57/22/0009 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: Eaw Surface Water Point: Reservoir A Data Type: Point Name: Miller Argent (South Wales) Ltd Annual Volume (m³): 90920 Max Daily Volume (m³): 272.76 Application No: - Original Start Date: 11/2/1966 Expiry Date: - Issue No: 103 Version Start Date: 14/12/2003 Version End Date:
Not shown	1775	SE	307600 205900	Status: Active Licence No: 21/57/22/0009 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: Eaw Surface Water Point: Reservoir C Data Type: Point Name: Miller Argent (South Wales) Ltd Annual Volume (m³): 90920 Max Daily Volume (m³): 272.76 Application No: - Original Start Date: 11/2/1966 Expiry Date: - Issue No: 103 Version Start Date: 14/12/2003 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1834	NE	308250 208450	Status: Historical Licence No: 21/57/22/0001 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Eaw Surface Water Point: Roadside Pond Data Type: Point Name: Corus UK Ltd	Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 11/2/1966 Expiry Date: - Issue No: 101 Version Start Date: 17/4/2000 Version End Date:

6.5 Potable Water Abstraction Licences

Are there any Potable Water Abstraction Licences within 2000m of the study site? No

Database searched and no data found.

6.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site? No

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site? No

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency/Natural Resources Wales information on groundwater vulnerability and soil leaching potential within 500m of the study site? Yes

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Minor Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.

6.9 River Quality

Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site? Yes

6.9.1 Biological Quality:

Biological Quality data describes water quality in terms of 83 groups of macroinvertebrates, some of which are pollution sensitive. The results are graded from A ('Very Good') to F ('Bad').

The following Biological Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1063	N	306900 208500	River Name: Morlais Reach: Conf.goitre Bk.-headwaters End/Start of Stretch: Start of Stretch NGR	C	C	C	C	C
Not shown	1479	SW	305300 206800	River Name: Morlais Reach: Conf.goitre Bk.-headwaters End/Start of Stretch: End of Stretch NGR	C	C	C	C	C
Not shown	1479	SW	305300 206800	River Name: Morlais Reach: Conf.r.taff - Conf.goitre Brook End/Start of Stretch: Start of Stretch NGR	C	C	C	C	C

Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAHl). In England, each chemical sample is measured for ammonia and dissolved oxygen. In Wales, the samples are measured for biological oxygen demand (BOD), ammonia and dissolved oxygen. The results are graded from A ('Very Good') to F ('Bad').

The following Chemical Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Chemical Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1063	N	306900 208500	River Name: Nant Morlais Reach: Conf.goitre Bk.-headwaters End/Start of Stretch: Start of Stretch NGR	C	C	D	E	-
Not shown	1479	SW	305300 206800	River Name: Nant Morlais Reach: Conf.r.taff - Conf.goitre Brook End/Start of Stretch: Start of Stretch NGR	C	C	D	E	-
Not shown	1479	SW	305300 206800	River Name: Nant Morlais Reach: Conf.goitre Bk.-headwaters End/Start of Stretch: End of Stretch NGR	C	C	D	E	-

6.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site? Yes

The following Detailed River Network records are represented on the Hydrology Map (6e):

ID	Distance (m)	Direction	Details	
1	127	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
2	150	SE	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
3	272	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
4	283	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
5	284	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
6	298	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
7	336	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details
8	382	SW	River Name: Drain Welsh River Name: - Alternative Name: - River Type: Secondary River Main River Status: Currently Undefined

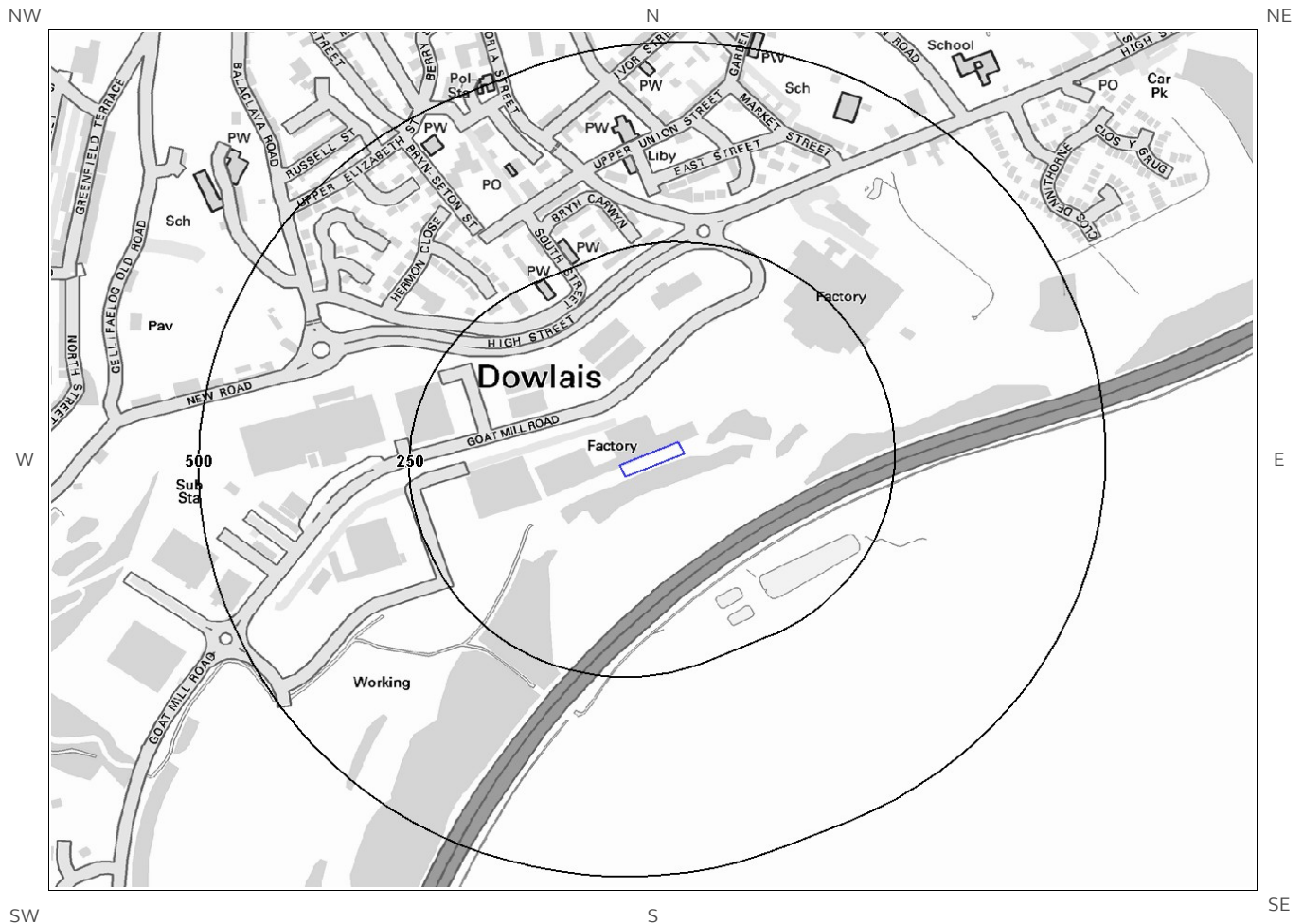
6.11 Surface Water Features

Are there any surface water features within 250m of the study site? Yes

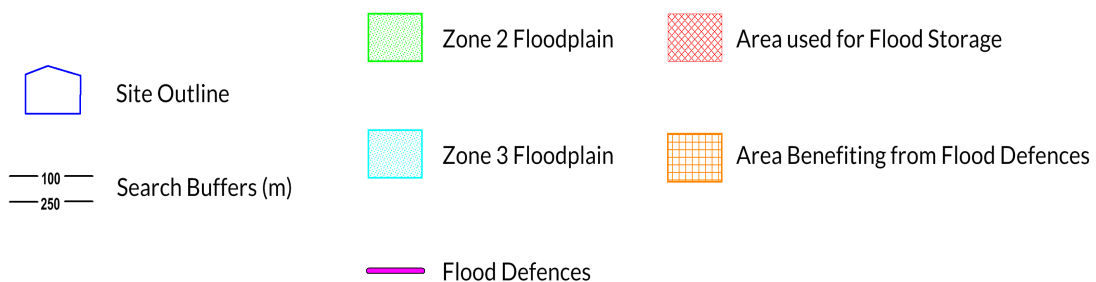
The following surface water records are not represented on mapping:

Distance (m)	Direction
126	SW
150	SE
153	SE
176	SE
177	SE
195	S
203	SE
236	SE

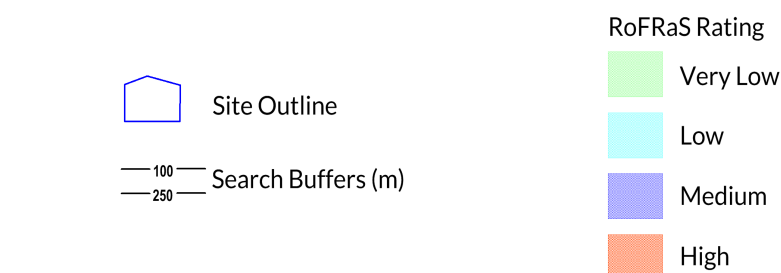
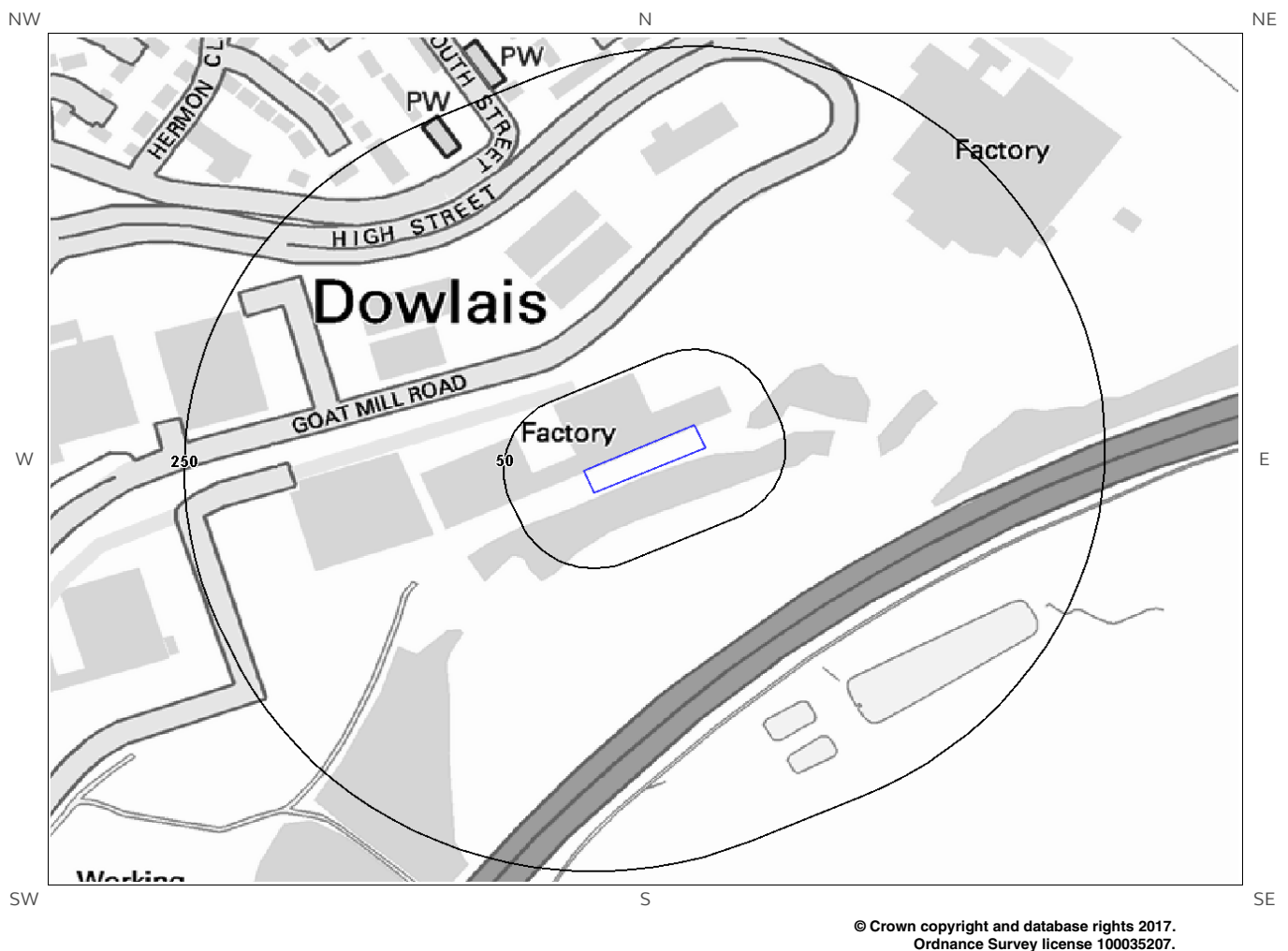
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



7 Flooding

7.1 River and Coastal Zone 2 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 2 floodplain? No

Environment Agency/Natural Resources Wales Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 3 floodplain? No

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

Database searched and no data found.

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

What is the highest risk of flooding onsite? Very Low

The Environment Agency/Natural Resources Wales RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Are there any Flood Defences within 250m of the study site? No
Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? No

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site?

No

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Yes

Does this relate to Clearwater Flooding or Superficial Deposits Flooding? Superficial Deposits Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?

Potential at Surface

Where potential for groundwater flooding to occur at surface is indicated, this means that given the geological conditions in the area groundwater flooding hazard should be considered in all land-use planning decisions. It is recommended that other relevant information e.g. records of previous incidence of groundwater flooding, rainfall, property type, and land drainage information be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

7.8 Groundwater Flooding Confidence Areas

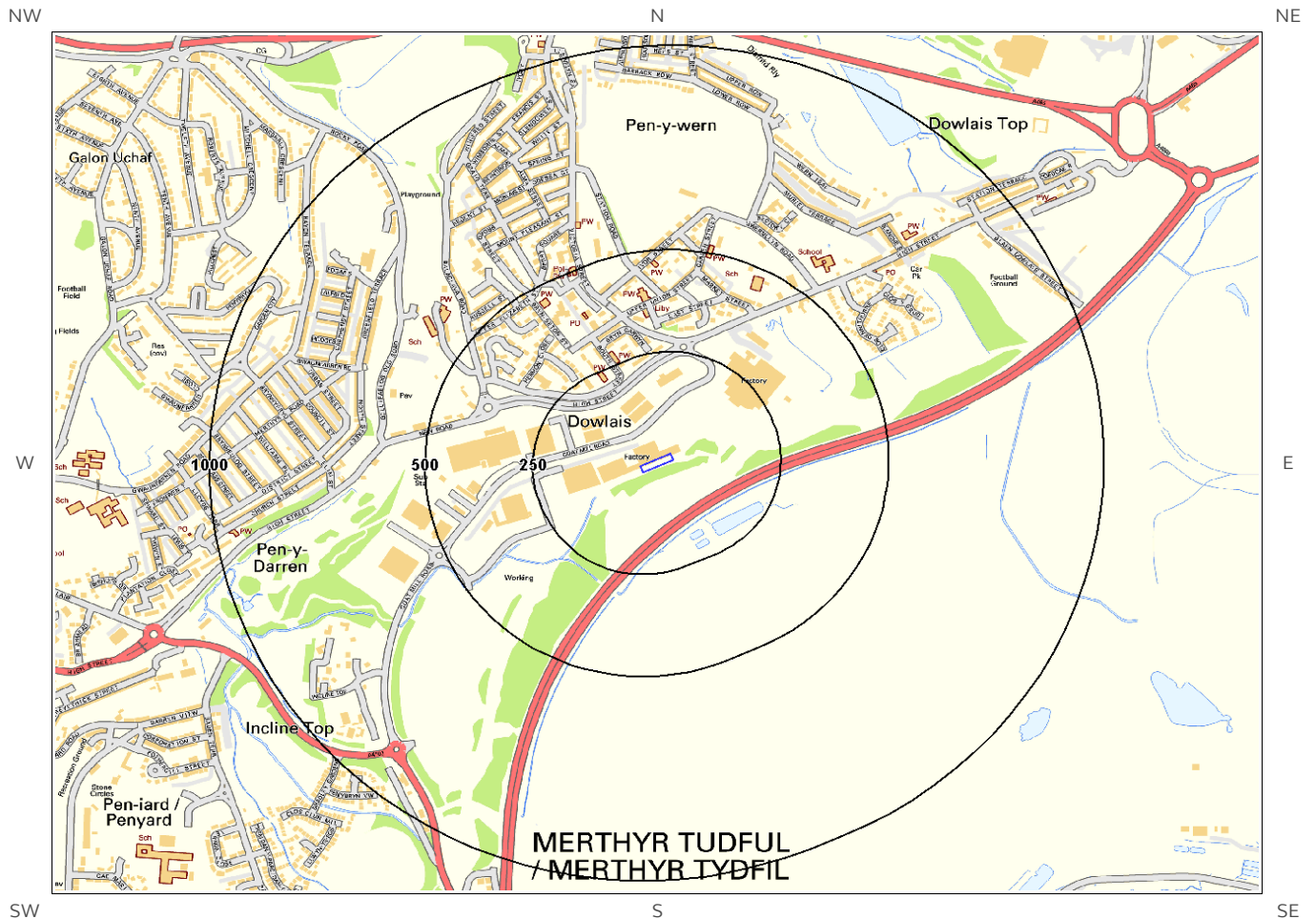
What is the British Geological Survey confidence rating in this result?

High

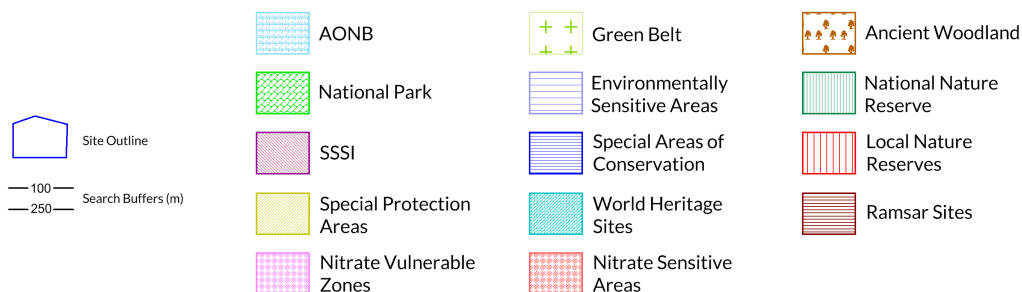
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

Presence of Designated Environmentally Sensitive Sites within 2000m of the study site?

Yes

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

0

Database searched and no data found.

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

8.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

8.6 Records of Ancient Woodland within 2000m of the study site:

2

The following records of Designated Ancient Woodland provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
Not shown	1594	S	Unknown	Ancient and Semi-Natural Woodland
Not shown	1605	S	Unknown	Restored Ancient Woodland Site

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

0

Database searched and no data found.

8.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

0

Database searched and no data found.

8.14 Records of Green Belt land within 2000m of the study site:

0

Database searched and no data found.

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a **Groundsure Geo Insight**, available from our **website**. The following information has been found:

9.1.1 Shrink Swell

What is the maximum Shrink-Swell* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

9.1.2 Landslides

What is the maximum Landslide* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

9.1.3 Soluble Rocks

What is the maximum Soluble Rocks* hazard rating identified on the study site? Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

* This indicates an automatically generated 50m buffer and site.

9.1.4 Compressible Ground

What is the maximum Compressible Ground* hazard rating identified on the study site?

Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

9.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* hazard rating identified on the study site?

Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

9.1.6 Running Sand

What is the maximum Running Sand** hazard rating identified on the study site?

Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

9.2 Radon

9.2.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

* This indicates an automatically generated 50m buffer and site.

Is the property in an area where Radon Protection are required for new properties or extensions to existing

ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary.

10. Mining

10.1 Coal Mining

Are there any coal mining areas within 75m of the study site?

Yes

The following coal mining information provided by the Coal Authority is not represented on Mapping:

Distance (m)	Direction	Details
0	On Site	The study site is located within the specified search distance of an identified mining area. Further details concerning this can be obtained from the Coal Authority Helpline on 0845 762 6848.

10.2 Non-Coal Mining

Are there any Non-Coal Mining areas within 50m of the study site boundary?

Yes

The following non-coal mining information is provided by the BGS:

Distance (m)	Direction	Name	Commodity	Assessment of likelihood
0.0	On Site	Not available	Iron Ore (Bedded)	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

Past underground mine workings may occur. The rock types present in these areas are such that small mineral veins may be present on which it is possible that small scale mining has been undertaken and/or it is possible that limited underground extraction of other materials may have occurred. All such occurrences are likely to be of minor localised extent and infrequent. It should be noted, however, that there is always the possibility of the existence of other sub-surface excavations, such as wells, cess pits, follies, air raid shelters/bunkers and other military structures etc. that could affect surface ground stability but which are outside the scope of this dataset. However, if in a coalfield area you should still consider a Coal Authority mining search for the area of interest.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site?

No

Guidance: No Guidance Required.

Contact Details

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BGS Geological Hazards Reports and general geological enquiries:
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Local Authority

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Phone: 01685 725 000
Web: <http://www.merthyr.gov.uk>
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