4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	24

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 106 >**

ID	Location	Address	Details	
2	**On site**	**GREAT WHITE TIP SITE**	**Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0238702 Permit Version: 1 Receiving Water: CULVERT AND HENCE TO RIVER TAF**	**Status: CONSENT EXPIRED - TIME LIMIT Issue date: 10/11/1992 Effective Date: 10/11/1992 Revocation Date: 01/11/1996**
3	**On site**	**GREAT WHITE TIP SITE**	**Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0238701 Permit Version: 1 Receiving Water: CULVERT TO RIVER TAFF**	**Status: CONSENT EXPIRED - TIME LIMIT Issue date: 10/11/1992 Effective Date: 10/11/1992 Revocation Date: 01/11/1996**
4	**On site**	**GREAT WHITE TIP SITE**	**Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0238601 Permit Version: 1 Receiving Water: CULVERT AND HENCE TO RIVER TAF**	**Status: CONSENT EXPIRED - TIME LIMIT Issue date: 10/11/1992 Effective Date: 10/11/1992 Revocation Date: 01/11/1996**
5	**On site**	**GREAT WHITE TIP SITE**	**Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0238602 Permit Version: 1 Receiving Water: CULVERT AND HENCE TO RIVER TAF**	**Status: CONSENT EXPIRED - TIME LIMIT Issue date: 10/11/1992 Effective Date: 10/11/1992 Revocation Date: 01/11/1996**
6	79m N	MERTHYR TYDFIL - CRODA LTD	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AF4024301 Permit Version: 1 Receiving Water: NANT MORLAIS BROOK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 01/09/1977 Effective Date: 01/09/1977 Revocation Date: 26/01/1994

ID	Location	Address	Details	
B	119m SE	Cwmbargoed Disposal Point, Fochriw Road, Cwmbargoed, MERTHYR TYDFIL, WALES, CF48 4AE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: AN0276501 Permit Version: 0 Receiving Water: TRIB OF NANT MORLAIS	Status: Effective Issue date: 04/10/2018 Effective Date: 04/10/2018 Revocation Date: -
B	119m SE	WATER TREATMENT AREA J, EAST MERTHYR REC SCHEME, MERTHYR TYDFIL, WALES	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: AN0276501 Permit Version: 1 Receiving Water: TRIB OF NANT MORLAIS	Status: Effective Issue date: 08/01/1999 Effective Date: 08/01/1999 Revocation Date: -
D	155m NE	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 Receiving Water: NANT MORLAIS	Status: REVOKED - UNSPECIFIED Issue date: 23/07/1996 Effective Date: 23/07/1996 Revocation Date: 02/10/1997
D	155m NE	WATER TMNT AREA WB (FINAL) REC SCME, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0264501 Permit Version: 1 Receiving Water: NANT MORLAIS	Status: REVOKED - UNSPECIFIED Issue date: 23/07/1996 Effective Date: 23/07/1996 Revocation Date: 02/10/1997
15	246m NE	WATER TMNT AREA WB (FINAL) REC SCME, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0264501 Permit Version: 2 Receiving Water: NANT MORLAIS	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 02/10/1997 Effective Date: 03/10/1997 Revocation Date: 08/01/1999
F	270m NE	WATER TREATMENT AREA FINAL EFFLUENT, WATER TREATMENT AREA FINAL EFFLU, FFOS Y FRAN LAND REC 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: 30/03/2012 Revocation Date: 01/07/2013
F	270m NE	WTR TMNT AREA WB(FINAL LAG) REC SCM, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL, WALES	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: AN0264501 Permit Version: 3 Receiving Water: NANT MORLAIS	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 02/10/1997 Effective Date: 09/01/1999 Revocation Date: 29/03/2012
G	338m NE	WATER TREATMENT AREA FINAL EFFLUENT, WATER TREATMENT AREA FINAL EFFLU, FFOS Y FRAN LAND REC 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: 30/03/2012 Revocation Date: 01/07/2013

ID	Location	Address	Details	
G	338m NE	WATER TMNT AREA WB (STORM) REC SCME, E MERTHYR REC SCME TMNT AREA WB, PHASE 111A, MERTHYR TYDFIL, WALES	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: AN0264502 Permit Version: 3 Receiving Water: TRIB OF NANT MORLAIS	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 02/10/1997 Effective Date: 09/01/1999 Revocation Date: 29/03/2012
G	360m NE	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: 2 Receiving Water: NANT MORLAIS	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 02/10/1997 Effective Date: 03/10/1997 Revocation Date: 08/01/1999
19	378m NW	MERTHYR TYDFIL - INCLINE TOP O	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0138201 Permit Version: 1 Receiving Water: NANT MORLAIS	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 15/06/1989 Effective Date: 15/06/1989 Revocation Date: 14/04/1994
I	390m S	WATER TMNT AREA WA (FINAL) REC SCME, E MERTHYR REC SCME TMNT AREA WA, PHASE 111A, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0264401 Permit Version: 1 Receiving Water: NANT CWM BLACS	Status: REVOKED - UNSPECIFIED Issue date: 23/07/1996 Effective Date: 23/07/1996 Revocation Date: 02/10/1997
22	450m S	WATER TMNT AREA WA (STORM) REC SCME, E MERTHYR REC SCME TMNT AREA WA, PHASE 111A, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0264402 Permit Version: 1 Receiving Water: NANT CWM BLACS	Status: REVOKED - UNSPECIFIED Issue date: 23/07/1996 Effective Date: 23/07/1996 Revocation Date: 02/10/1997
J	464m W	CSO WATERLOO HOUSE MERTHYR TYDFIL, CSO WATERLOO HOUSE, MERTHYR TIDFIL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AE2025305 Permit Version: 2 Receiving Water: MORLAIS BROOK	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 21/12/2001 Effective Date: 31/03/2002 Revocation Date: 16/07/2002
J	470m W	A CSO AT WATERLOO HOUSE MERTHYR, WATERLOO HOUSE, Penydarren, Merthyr Tydfil, CF47 9HA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AE2025305 Permit Version: 0 Receiving Water: MORLAIS BROOK	Status: Effective Issue date: 07/10/2019 Effective Date: 07/10/2019 Revocation Date: -

ID	Location	Address	Details	
J	472m W	MERTHYR - WATERLOO HOUSE	Effluent Type: UNSPECIFIED Permit Number: AE2025305 Permit Version: 1 Receiving Water: MORLAIS BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 15/04/1964 Effective Date: 15/04/1964 Revocation Date: 30/03/2002
K	491m N	THE BONT MERTHYR TYDFIL, THE BONT, MERTHYR TYDFIL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AE2025302 Permit Version: 2 Receiving Water: MORLAIS BROOK	Status: Effective Issue date: 08/03/2002 Effective Date: 09/03/2002 Revocation Date: -
K	493m N	CSO at The Bont, Merthyr Tydfil, Horse & Groom Car Park, Penydarren, Merthyr Tydfil, CF47 9HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AE2025302 Permit Version: 0 Receiving Water: Morlais Brook	Status: Effective Issue date: 21/08/2020 Effective Date: 21/08/2020 Revocation Date: -
K	499m N	MERTHYR - BONT (REAR HORSE AND	Effluent Type: UNSPECIFIED Permit Number: AE2025302 Permit Version: 1 Receiving Water: MORLAIS BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 15/04/1964 Effective Date: 15/04/1964 Revocation Date: 08/03/2002

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	6

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

Features are displayed on the Current industrial land use map on **page 106 >**

ID	Location	Details	
12	228m W	Incident Date: 20/05/2001 Incident Identification: 6095 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Effects on Humans	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	355m N	Incident Date: 18/06/2013 Incident Identification: 1123564 Pollutant: Multiple Pollutants Pollutant Description: 2 Pollutants Including Tyres	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
I	386m S	Incident Date: 11/10/2013 Incident Identification: 1166900 Pollutant: Specific Waste Materials Pollutant Description: Contaminated Construction & Demolition Mat & Waste	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
20	424m NW	Incident Date: 20/05/2001 Incident Identification: 6096 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Effects on Humans	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

ID	Location	Details	
21	437m W	Incident Date: 17/12/2001 Incident Identification: 48525 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	452m W	Incident Date: 05/08/2021 Incident Identification: 2106721 Pollutant: Inert Materials and Waste Pollutant Description: Soils and Clay	Water Impact: Category 2 (Significant) Land Impact: No Details Air Impact: No Details

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

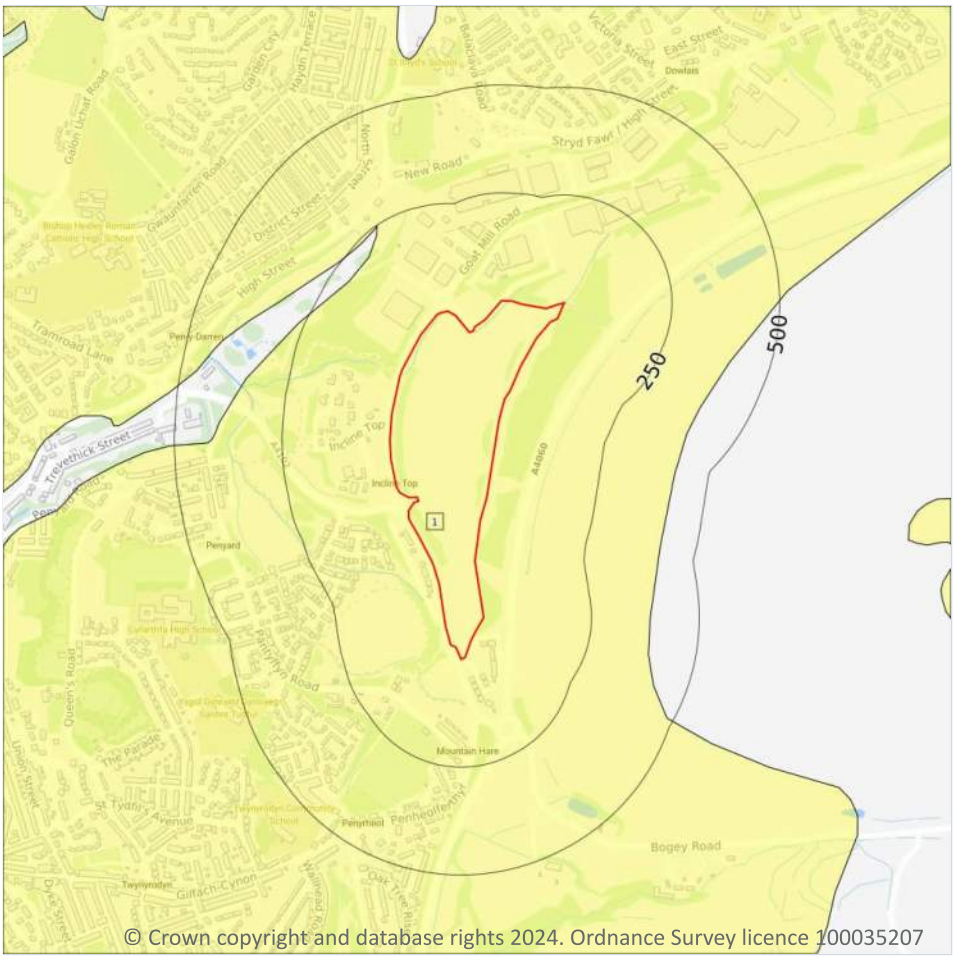
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	1

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 117 >**

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	1

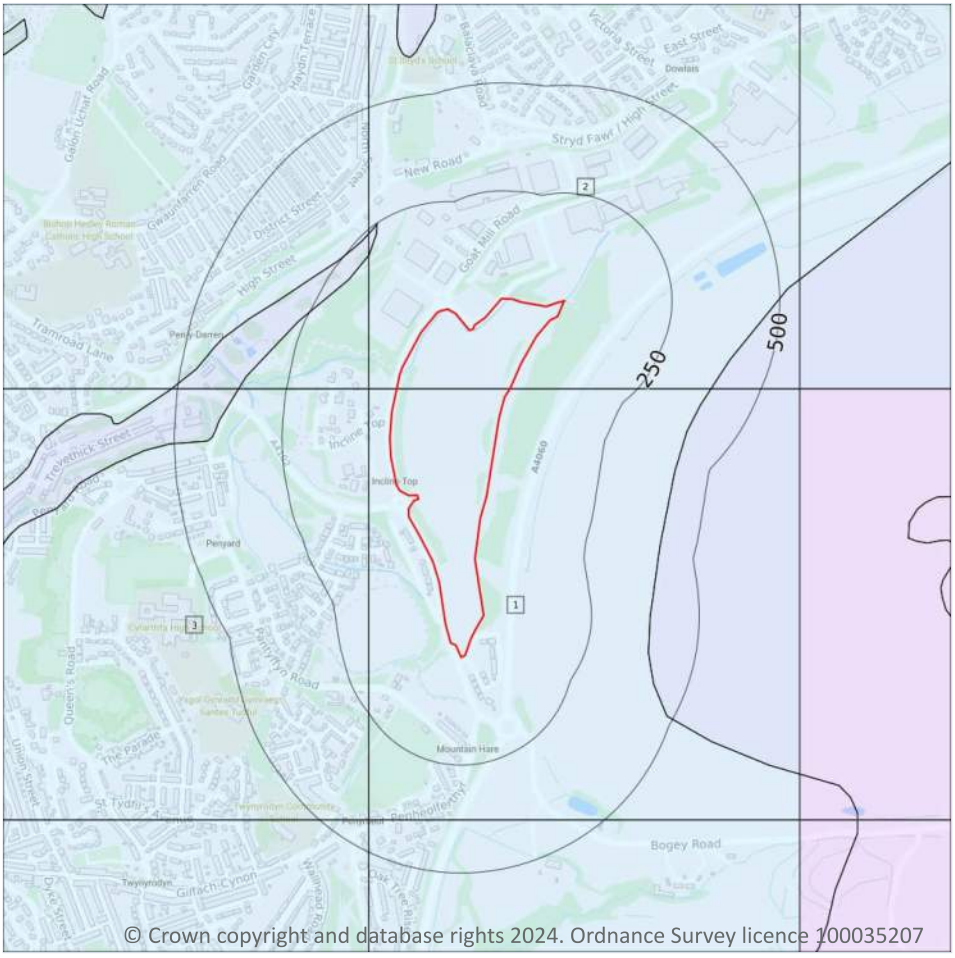
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 118 >**

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

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	3

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

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

Features are displayed on the Groundwater vulnerability map on **page 119 >**