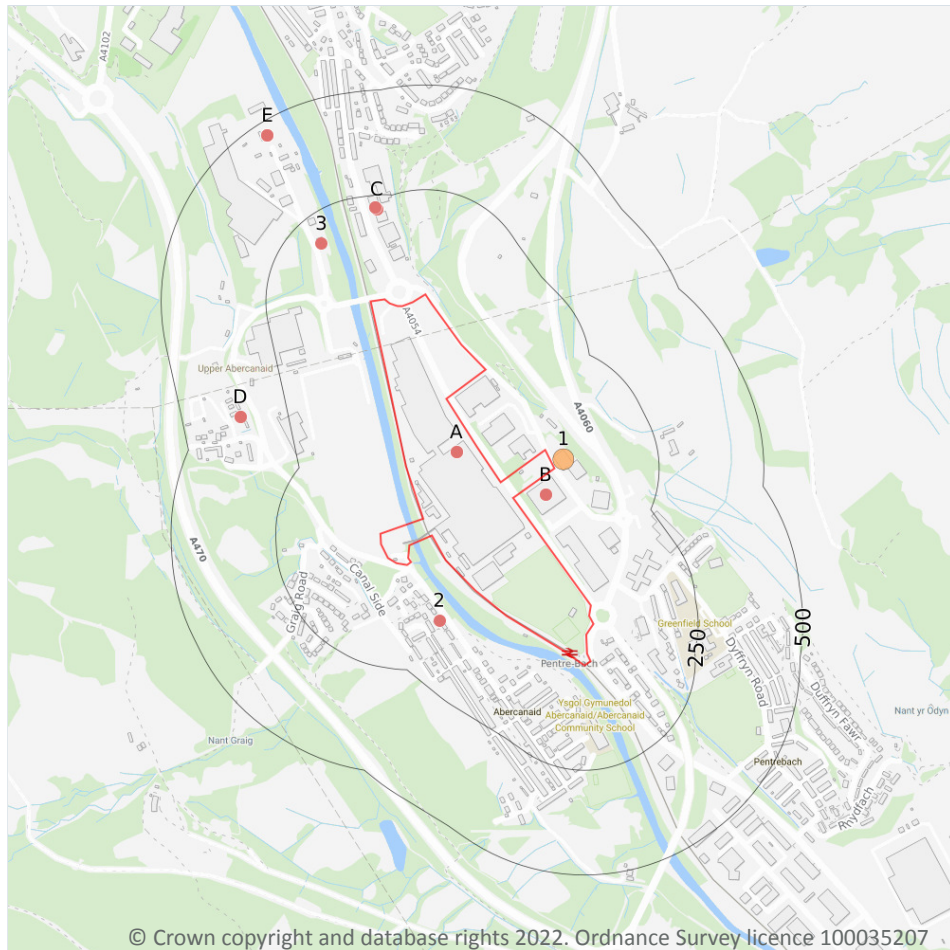


3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

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

3.5 Historical waste sites

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 75**

ID	Location	Address	Further Details	Date
1	4m NE	Site Address: 3 & 4, Triangle Business Park, Pentrebach, Merthyr Tydfil, Mid Glamorgan, CF48 4TQ	Type of Site: Waste Storage Facility Planning application reference: P/14/0325 Description: Scheme comprises change of use of unit 3 from transport depot to a recycling waste storage facility. change of use of unit 4 to include waste sorting processes together with the construction of a side extension to accommodate two waste storage bays. Data source: Historic Planning Application Data Type: Point	26/01/2015

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

3.6 Licensed waste sites

Records within 500m

0

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

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

3.7 Waste exemptions

Records within 500m

22

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

Features are displayed on the Waste and landfill map on **page 75**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	PENTREBACH, MERTHYR TYDFIL, CF48 4TU	WEX099064	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	On site	Hoover Ltd, Hoover Candy Group, Pentrebach, Merthyr Tydfil, Merthyr Tydfil, CF484TU	NRW-WME024436	Treating waste exemption	Not on a farm	Sorting mixed waste
A	On site	Hoover Ltd, Hoover Candy Group, Pentrebach, Merthyr Tydfil, Merthyr Tydfil, CF484TU	NRW-WME024436	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	40m SE	R Tek Ltd, Unit 1-3, Triangle Business Park, Merthyr Tydfil, Merthyr Tydfil, CF48 4TQ	NRW-WME000205	Treating waste exemption	Waste Exemption - Non-Agricultural	Preparatory treatments (baling, sorting, shredding etc)
B	40m SE	R Tek Ltd, Unit 1-3, Triangle Business Park, Merthyr Tydfil, Merthyr Tydfil, CF48 4TQ	NRW-WME000205	Storing waste exemption	Waste Exemption - Non-Agricultural	Storage of waste in a secure place
2	113m SW	Davies Homes Ltd, Former Hoover factory, Stanfield Close, Abercanaid, Merthyr Tydfil, Merthyr Tydfil, CF48 1BJ	NRW-WME066854	Using waste exemption	Not on a farm	Use of waste in construction
3	181m NW	SW plastic solutions LTD, The Willows, Abercanaid Industrial Estate, Merthyr Tydfil, Merthyr Tydfil, CF481YF	NRW-WME032102	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	215m N	SPEEDY ASSET SERVICES LIMITED, Speedy Hire, Pentrebach Road, Merthyr Tydfil, Merthyr Tydfil, CF48 1YA	NRW-WME042623	Storing waste exemption	Not on a farm	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
C	215m N	SPEEDY ASSET SERVICES LIMITED, Speedy Hire, Pentrebach Road, Merthyr Tydfil, Merthyr Tydfil, CF48 1YA	NRW-WME042623	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	218m N	Speedy Asset Services Limited, Speedy Hire, Pentrebach Road, Merthyr Tydfil, Merthyr Tydfil, CF481YA	NRW-WME026901	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	218m N	Speedy Asset Services Limited, Speedy Hire, Pentrebach Road, Merthyr Tydfil, Merthyr Tydfil, CF481YA	NRW-WME026901	Treating waste exemption	Not on a farm	Sorting mixed waste
D	364m W	Glynderus Farm Abercanaid Merthyr Tydfil Merthyr Tydfil CF481YL	NRW-WME024877	Using waste exemption	Not on a farm	Use of waste in construction
D	364m W	Glynderus Farm Abercanaid Merthyr Tydfil Merthyr Tydfil CF481YL	NRW-WME024877	Using waste exemption	Not on a farm	Use of baled end-of-life tyres in construction
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Treating waste exemption	Not on a farm	Sorting mixed waste
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Treating waste exemption	Not on a farm	Manual treatment of waste
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Treating waste exemption	Not on a farm	Screening and blending of waste

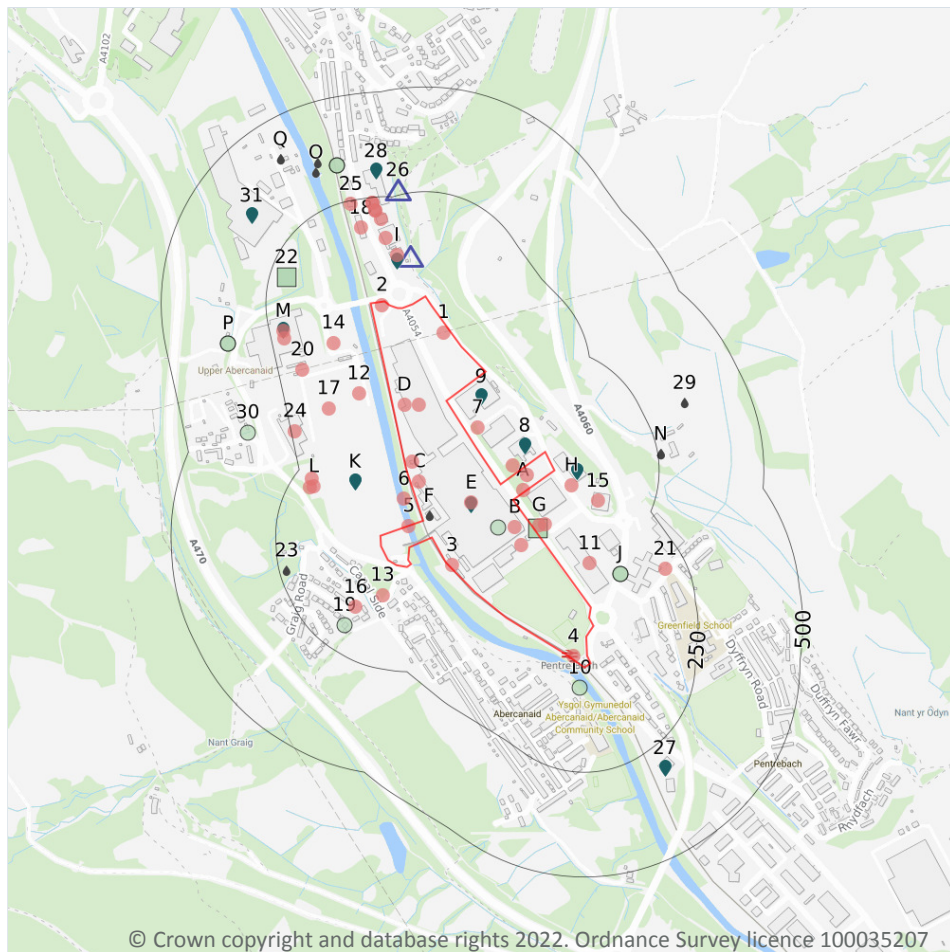


ID	Location	Site	Reference	Category	Sub-Category	Description
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Treating waste exemption	Not on a farm	Recovery of scrap metal
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Using waste exemption	Not on a farm	Use of waste in construction
E	466m NW	THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YF	WEX089880	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

44

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 80**

ID	Location	Company	Address	Activity	Category
1	On site	Pylon	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
2	On site	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
3	On site	Tank	Mid Glamorgan, CF48	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
4	On site	Pentre-Bach Rail Station	Mid Glamorgan, CF48	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
A	On site	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
A	On site	Tank	Mid Glamorgan, CF48	Tanks (Generic)	Industrial Features
B	On site	Hoover	Pentrebach, Merthyr Tydfil, Mid Glamorgan, CF48 4TU	Distribution and Haulage	Transport, Storage and Delivery
B	On site	Gas Governor	Mid Glamorgan, CF48	Gas Features	Infrastructure and Facilities
C	On site	Tank	Mid Glamorgan, CF48	Tanks (Generic)	Industrial Features
C	On site	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
D	On site	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
D	On site	Factory	Mid Glamorgan, CF48	Unspecified Works Or Factories	Industrial Features
E	On site	Factory	Mid Glamorgan, CF48	Unspecified Works Or Factories	Industrial Features
5	0m N	Gantry	Mid Glamorgan, CF48	Travelling Cranes and Gantries	Industrial Features
G	15m NE	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
A	19m NW	Triangle Business Park (Parc Busnes Y Triongl)	Mid Glamorgan, CF48	Business Parks and Industrial Estates	Industrial Features
G	27m NE	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
6	28m W	Mast (Telecommunication)	Mid Glamorgan, CF48	Telecommunications Features	Infrastructure and Facilities
7	29m NE	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
H	54m SE	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
11	60m NE	Dreams Plc	Unit C1, Triangle Business Park, Pentrebach, Merthyr Tydfil, Mid Glamorgan, CF48 4TQ	Beds and Bedding	Consumer Products
12	73m W	Tank	Mid Glamorgan, CF48	Tanks (Generic)	Industrial Features
13	79m SW	Shaft	Mid Glamorgan, CF48	Unspecified Quarries Or Mines	Extractive Industries
14	107m W	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
I	114m N	Southern Vauxhall	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	New Vehicles	Motoring
15	127m SE	Business Centre	Mid Glamorgan, CF48	Business Parks and Industrial Estates	Industrial Features
16	136m SW	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
17	151m W	Merthyr Self Storage	Dragon Park B, Abercanaid, Merthyr Tydfil, Mid Glamorgan, CF48 1PQ	Container and Storage	Transport, Storage and Delivery
I	151m N	Thomas & Davies	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YB	New Vehicles	Motoring
18	182m N	Capitol Volkswagen	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	New Vehicles	Motoring
20	193m W	Pylon	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
I	197m N	HiQ Centre	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	Vehicle Repair, Testing and Servicing	Repair and Servicing
L	198m NW	Tank	Mid Glamorgan, CF48	Tanks (Generic)	Industrial Features
21	200m NE	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
L	204m NW	Tank	Mid Glamorgan, CF48	Tanks (Generic)	Industrial Features
L	213m NW	Hire Me Vehicle Rental	Unit A, Dragon Parc, Abercanaid, Merthyr Tydfil, Mid Glamorgan, CF48 1PQ	Vehicle Hire and Rental	Hire Services
M	218m W	Amnitech	Abercanaid, Merthyr Tydfil, Mid Glamorgan, CF48 1UX	General Construction Supplies	Industrial Products
I	218m N	Kwik-Fit (GB) Limited	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
I	218m N	Enterprise Rent-A-Car	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	Vehicle Hire and Rental	Hire Services
M	220m W	Factory	Mid Glamorgan, CF48	Unspecified Works Or Factories	Industrial Features
I	236m N	Yellohire	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	Vehicle Hire and Rental	Hire Services
I	236m N	Enterprise Rent-A-Car	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	Vehicle Hire and Rental	Hire Services
24	241m W	Factory	Mid Glamorgan, CF48	Unspecified Works Or Factories	Industrial Features
25	242m N	Speedy Hire Plc	Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	Construction and Tool Hire	Hire Services

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	2
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Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 80**

ID	Location	Company	Address	LPG	Status
I	103m N	OBSOLETE	Pentrebach Road, Ysgubor Newydd, Merthyr Tydfil, Merthyr Tydfil, CF48 1YB	Not Applicable	Obsolete
26	262m N	OBSOLETE	Pentrebach Road, Ysgubor Newydd, Merthyr Tydfil, Merthyr Tydfil, CF48 1YA	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.



4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

12

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

Features are displayed on the Current industrial land use map on **page 80**

ID	Location	Address	Details	
E	On site	Hoover Ltd, Pentrebach	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
8	41m NW	Merthyr Institute for the Blind, Unit 4, Triangle Business Park, Pentrebach, Merthyr Tydfil, CF48 4TQ	Process: Timber Manufacture Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	41m SE	R-Tek Ltd, Unit 1, Triangle Business Park, Pentrebach	Process: Solvent Emissions Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
H	53m E	Glamorgan Paint Stovers, Unit 7, Triangle Business Park	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
H	53m E	Top Coat Wales Ltd (Formerly Glamorgan Paint Stovers), Unit 7, Triangle Business Park, Merthyr Tydfil, Mid Glamorgan, CF48 4TQ	Process: Coating Processes Status: Historic Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	100m N	Southern Vauxhall, Pentrebach Road, Merthyr Tydfil, CF48 1YA	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	126m W	Impress Merthyr Tydfil Limited, Dragon Parc, Abercainaid	Process: Flexible Packaging Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	126m W	Us Can Europe, Dragon Parc, Abercainaid, Merthyr Tydfil, CF48 1PQ	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
M	217m W	Amnitec Ltd, Abercainaid, Merthyr Tydfil, Mid Glamorgan, CF48 1UX	Process: Surface Cleaning Status: Pending Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
27	307m SE	iRG, New Road, Pentrebach, Merthyr Tydfil, Mid Glamorgan, CF48 4UB	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
28	311m N	Evans Halshaw, Pentrebach Road, Merthyr Tydfil, Mid Glamorgan, CF48 1YA	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
31	353m NW	Triumph Business Systems, TBS (South Wales) Ltd., The Willows, Abercainaid, Merthyr Tydfil, Mid Glamorgan, CF47 0YD	Process: Coating Processes Status: Historic Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

16

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 80**

ID	Location	Address	Details	
F	On site	MERTHYR TYDFIL - HOOVER LTD PENTREB, MERTHYR TYDFIL - HOOVER LTD PENT, PENTREBACH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AE2022001 Permit Version: 1 Receiving Water: RIVER TAFF	Status: REVOKED - UNSPECIFIED Issue date: 20/02/1964 Effective Date: 20/02/1964 Revocation Date: 20/01/1985
F	On site	MERTHYR TYDFIL - HOOVER LTD PENTREB, MERTHYR TYDFIL - HOOVER LTD PENT, PENTREBACH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AE2022001 Permit Version: 2 Receiving Water: RIVER TAFF	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 21/01/1985 Effective Date: 21/01/1985 Revocation Date: 24/02/1993
23	233m W	BEHIND 7-12 ANTHONY GROVE MERTHYR, BEHIND 7-12 ANTHONY GROVE MERT, MERTHYR TYDFIL, MERTHYR TY	Effluent Type: UNSPECIFIED Permit Number: AN0073701 Permit Version: 1 Receiving Water: SOAK AWAY	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 29/06/1988 Effective Date: 29/06/1988 Revocation Date: 31/03/1995
N	256m E	AREA C (FINAL EFFLUENT LAGOON) GRAW, AREA C (FINAL EFFLUENT LAGOON) G, GRAWETH FARM OCCS MERTHYR TYDFI, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0267902 Permit Version: 1 Receiving Water: TRIB OF THE RIVER TAFF	Status: REVOKED - UNSPECIFIED Issue date: 20/09/1996 Effective Date: 20/09/1996 Revocation Date: 19/12/1997
N	256m E	AREA C (FINAL EFFLUENT LAGOON) GRAW, AREA C (FINAL EFFLUENT LAGOON) G, GRAWETH FARM OCCS MERTHYR TYDFI, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0267802 Permit Version: 1 Receiving Water: TRIBUTARY OF THE RIVER TAFF	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 20/09/1996 Effective Date: 20/09/1996 Revocation Date: 07/10/1997



ID	Location	Address	Details	
N	256m E	AREA C (FINAL EFFLUENT LAGOON) GRAW, AREA C (FINAL EFFLUENT LAGOON) G, GRAWETH FARM OCCS MERTHYR TYDFI, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0267902 Permit Version: 2 Receiving Water: TRIB OF THE RIVER TAFF	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 19/12/1997 Effective Date: 20/12/1997 Revocation Date: 06/01/1999
N	256m E	AREA C (FINAL EFFLUENT LAGOON) GRAW, AREA C (FINAL EFFLUENT LAGOON) G, GRAWETH FARM OCCS MERTHYR TYDFI, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0267801 Permit Version: 1 Receiving Water: TRIBUTARY OF THE RIVER TAFF	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 20/09/1996 Effective Date: 20/09/1996 Revocation Date: 07/10/1997
N	256m E	AREA C (FINAL EFFLUENT LAGOON) GRAW, AREA C (FINAL EFFLUENT LAGOON) G, GRAWETH FARM OCCS MERTHYR TYDFI, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0267901 Permit Version: 1 Receiving Water: TRIB OF RIVER TAFF	Status: REVOKED - UNSPECIFIED Issue date: 20/09/1996 Effective Date: 20/09/1996 Revocation Date: 21/11/1997
N	256m E	AREA C (FINAL EFFLUENT LAGOON) GRAW, AREA C (FINAL EFFLUENT LAGOON) G, GRAWETH FARM OCCS MERTHYR TYDFI, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0267901 Permit Version: 2 Receiving Water: TRIB OF RIVER TAFF	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 21/11/1997 Effective Date: 22/11/1997 Revocation Date: 06/01/1999
N	256m E	AREA C (FINAL EFFLUENT LAGOON) GRAW, AREA C (FINAL EFFLUENT LAGOON) G, GRAWETH FARM OCCS MERTHYR TYDFI, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0268001 Permit Version: 1 Receiving Water: TRIB OF RIVER TAFF	Status: REVOKED - UNSPECIFIED Issue date: 20/09/1996 Effective Date: 20/09/1996 Revocation Date: 21/11/1997
N	256m E	AREA C (FINAL EFFLUENT LAGOON) GRAW, AREA C (FINAL EFFLUENT LAGOON) G, GRAWETH FARM OCCS MERTHYR TYDFI, MERTHYR TYDFIL	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0268001 Permit Version: 2 Receiving Water: TRIB OF RIVER TAFF	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 21/11/1997 Effective Date: 22/11/1997 Revocation Date: 06/01/1999
O	338m NW	CSO WILLOW GAS WORKS MERTHYR TYDFIL, CSO WILLOW GAS WORKS, MERTHYR TYDFIL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AN0091001 Permit Version: 2 Receiving Water: TAFF	Status: Effective Issue date: 20/12/2001 Effective Date: 21/12/2001 Revocation Date: -



ID	Location	Address	Details	
29	349m NE	PENTREBACH TIP - POINT Y	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AG0004102 Permit Version: 1 Receiving Water: UNNAMED WATERCOURSE	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 25/11/1980 Effective Date: 25/11/1980 Revocation Date: 23/09/1992
O	359m N	CSO WILLOW GAS WORKS MERTHYR TYDFIL, Nr 4 Eastfield Place, Twynrodyn, Merthyr Tydfil, CF47 OUP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AN0091001 Permit Version: 3 Receiving Water: RIVER TAFF	Status: Effective Issue date: 07/10/2019 Effective Date: 07/10/2019 Revocation Date: -
Q	406m NW	GROUNDWATER REMEDIATION TREATMENT @, FORMER WILLOWS GASWORKS, THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YH	Effluent Type: GROUNDWATER - BOREHOLE Permit Number: EPRNB3735AW Permit Version: 1 Receiving Water: GROUNDWATER	Status: SURRENDERED UNDER EPR 2010 Issue date: 15/04/2013 Effective Date: 15/04/2013 Revocation Date: 23/12/2013
Q	406m NW	GROUNDWATER REMEDIATION TREATMENT @, FORMER WILLOWS GASWORKS, THE WILLOWS, ABERCANAID INDUSTRIAL ESTATE, MERTHYR TYDFIL, CF48 1YH	Effluent Type: GROUNDWATER - BOREHOLE Permit Number: EPRNB3735AW Permit Version: 1 Receiving Water: GROUNDWATER	Status: SURRENDERED UNDER EPR 2010 Issue date: 15/04/2013 Effective Date: 15/04/2013 Revocation Date: 23/12/2013

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

2

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

Features are displayed on the Current industrial land use map on **page 80**

ID	Location	Name	Status	Receiving Water	Authorised Substances
G	8m NE	Hoover Ltd, Euopean Appliance, Pentrebach Road, Pentrebach,	Not Active	River Taff	Chromium, Copper, Lead, Nickel, Zinc
22	210m W	Triumph Business Systems, The Willows, Abercanaid, Merthyr	Not Active	River Taff	Chromium, Copper, Lead, Nickel, Zinc

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

10

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 80**

ID	Location	Details	
B	On site	Incident Date: 04/11/2002 Incident Identification: 118733 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
10	49m S	Incident Date: 30/06/2003 Incident Identification: 169843 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
J	103m NE	Incident Date: 30/04/2016 Incident Identification: 1602098 Pollutant: Oils and Fuels Pollutant Description: Petrol	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
J	103m NE	Incident Date: 30/04/2016 Incident Identification: 1602098 Pollutant: - Pollutant Description: -	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
19	186m SW	Incident Date: 28/05/2001 Incident Identification: 6864 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
O	338m N	Incident Date: 20/04/2016 Incident Identification: 1601874 Pollutant: Sewage Material Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
O	338m N	Incident Date: 20/04/2016 Incident Identification: 1601874 Pollutant: - Pollutant Description: -	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
30	352m W	Incident Date: 26/11/2002 Incident Identification: 123260 Pollutant: Inert Materials and Wastes Pollutant Description: Rocks and Gravel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
P	353m W	Incident Date: 04/05/2016 Incident Identification: 1602160 Pollutant: Oils and Fuels Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
P	353m W	Incident Date: 04/05/2016 Incident Identification: 1602160 Pollutant: - Pollutant Description: -	Water Impact: Category 3 (Minor) 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

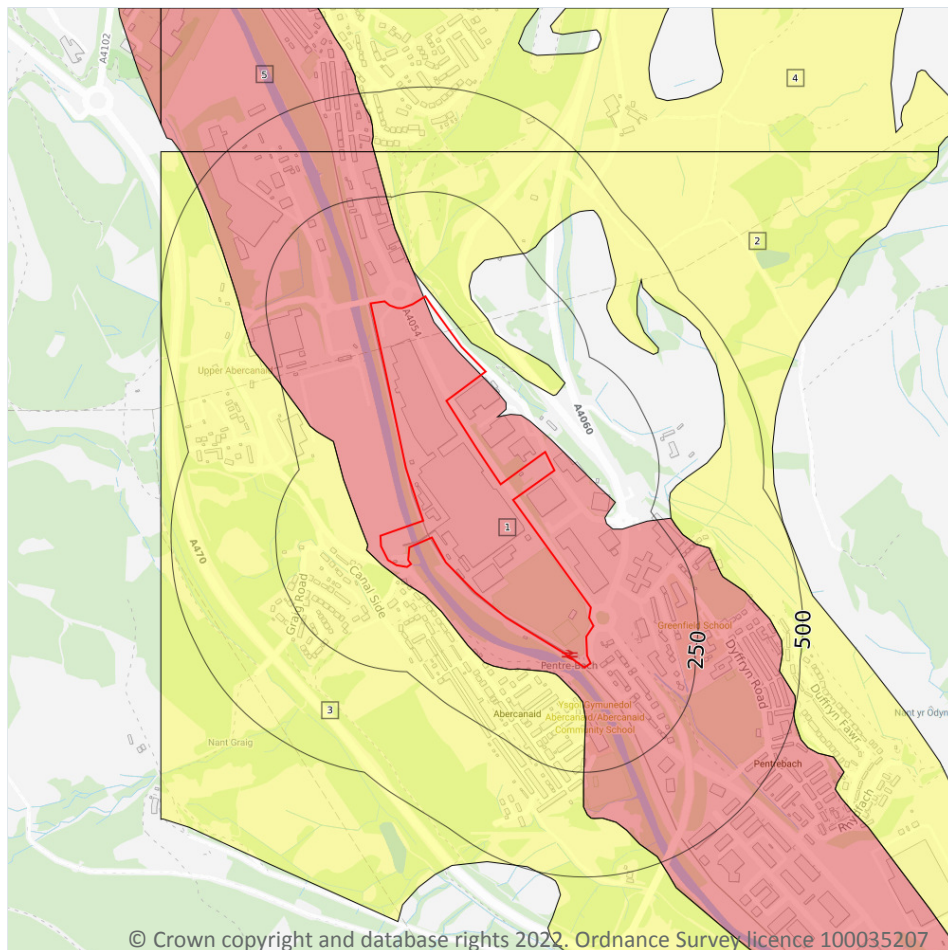
Records within 500m**0**

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

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 93**

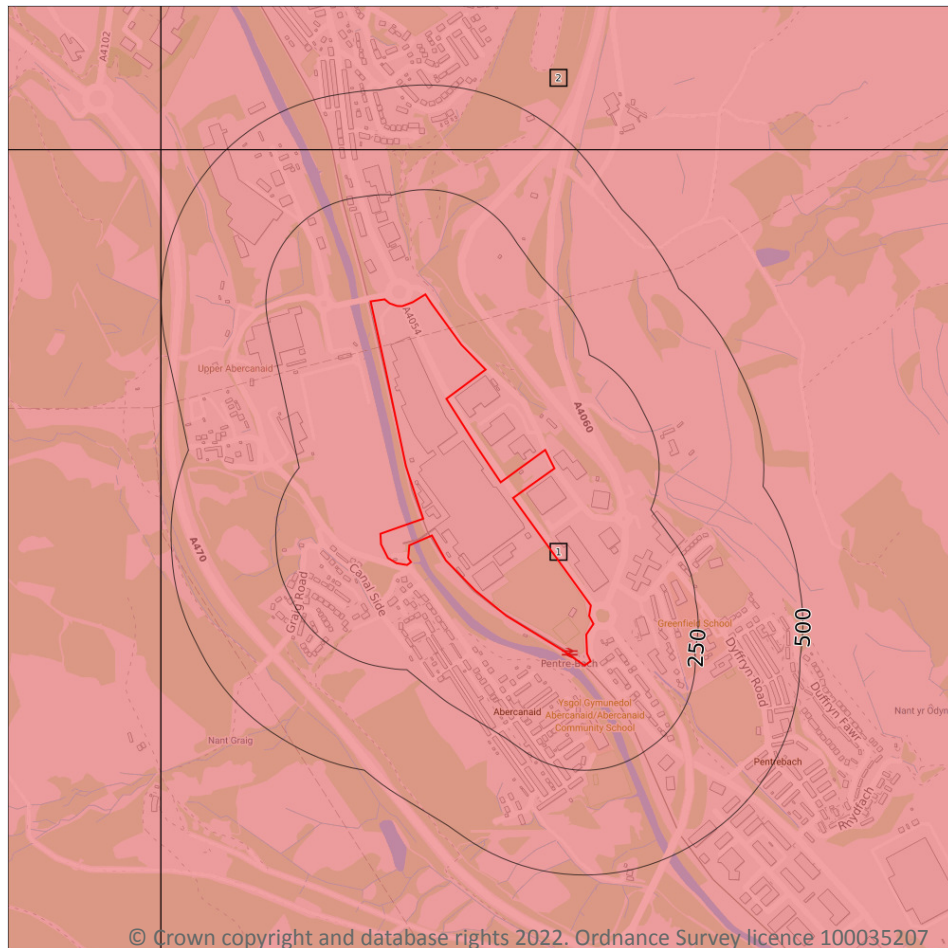
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	15m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	18m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	345m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
5	358m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 95**

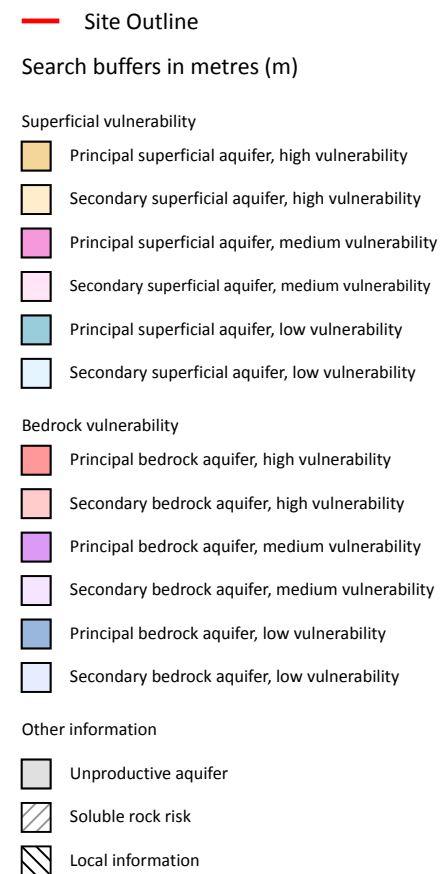
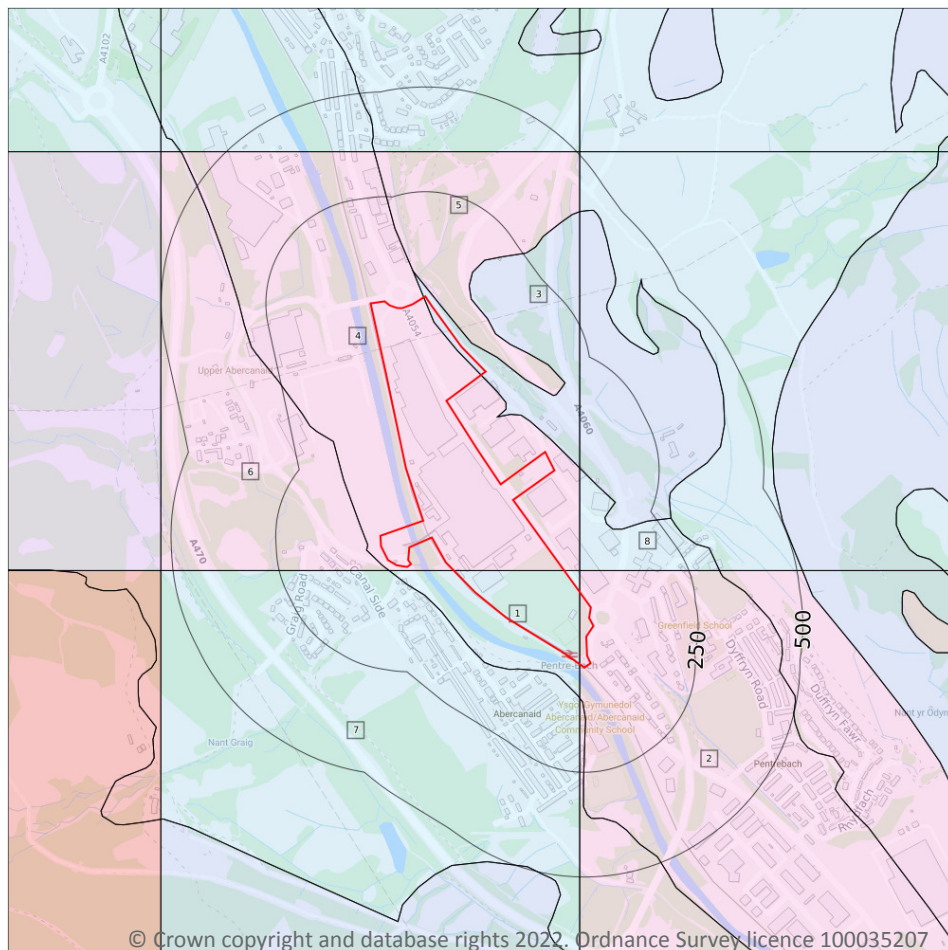
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	345m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

8

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 97**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
5	14m NE	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
6	18m SW	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	20m SW	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
8	30m NE	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

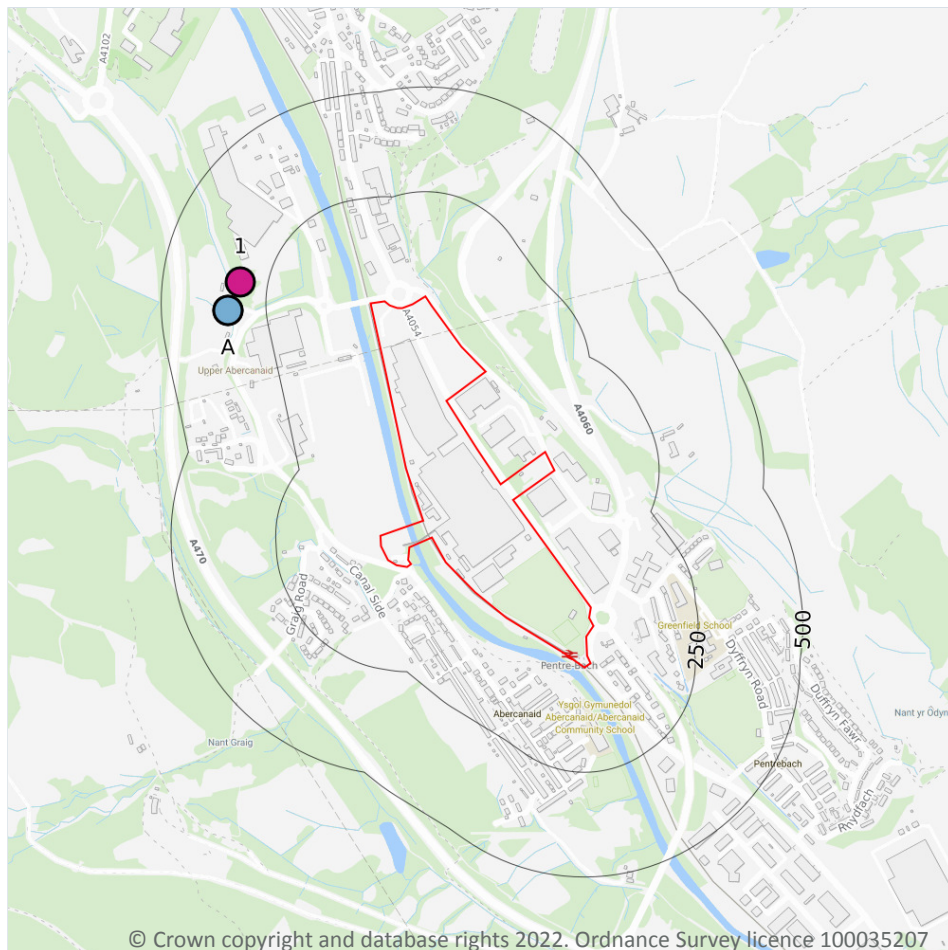
0

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

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



Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Point features
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

1

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 100**

ID	Location	Details	
1	315m W	Status: Historical Licence No: 21/57/22/0035 Details: General Washing/Process Washing Direct Source: EAW Groundwater Point: BOREHOLE AT TBS (SOUTH WALES) LTD Data Type: Point Name: TBS (South Wales) Ltd Easting: 305190 Northing: 204690	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/06/1994 Expiry Date: - Issue No: 100 Version Start Date: 14/10/1999 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	2
-----------------------------	----------

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 100**

ID	Location	Details	
A	341m W	Status: Historical Licence No: 21/57/22/0025 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: EAW Surface Water Point: NANT CANAID AT GLYN-DYRYS Data Type: Point Name: Hoover Plc Easting: 305160 Northing: 204620	Annual Volume (m ³): 509152 Max Daily Volume (m ³): 1818.4 Original Application No: - Original Start Date: 25/07/1979 Expiry Date: - Issue No: 100 Version Start Date: 30/10/2003 Version End Date: -
A	341m W	Status: Historical Licence No: 21/57/22/0025 Details: Non-Evaporative Cooling Direct Source: EAW Surface Water Point: NANT CANAID AT GLYN-DYRYS Data Type: Point Name: Hoover Plc Easting: 305160 Northing: 204620	Annual Volume (m ³): 509152 Max Daily Volume (m ³): 1818.4 Original Application No: - Original Start Date: 25/07/1979 Expiry Date: - Issue No: 100 Version Start Date: 30/10/2003 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m

0

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

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

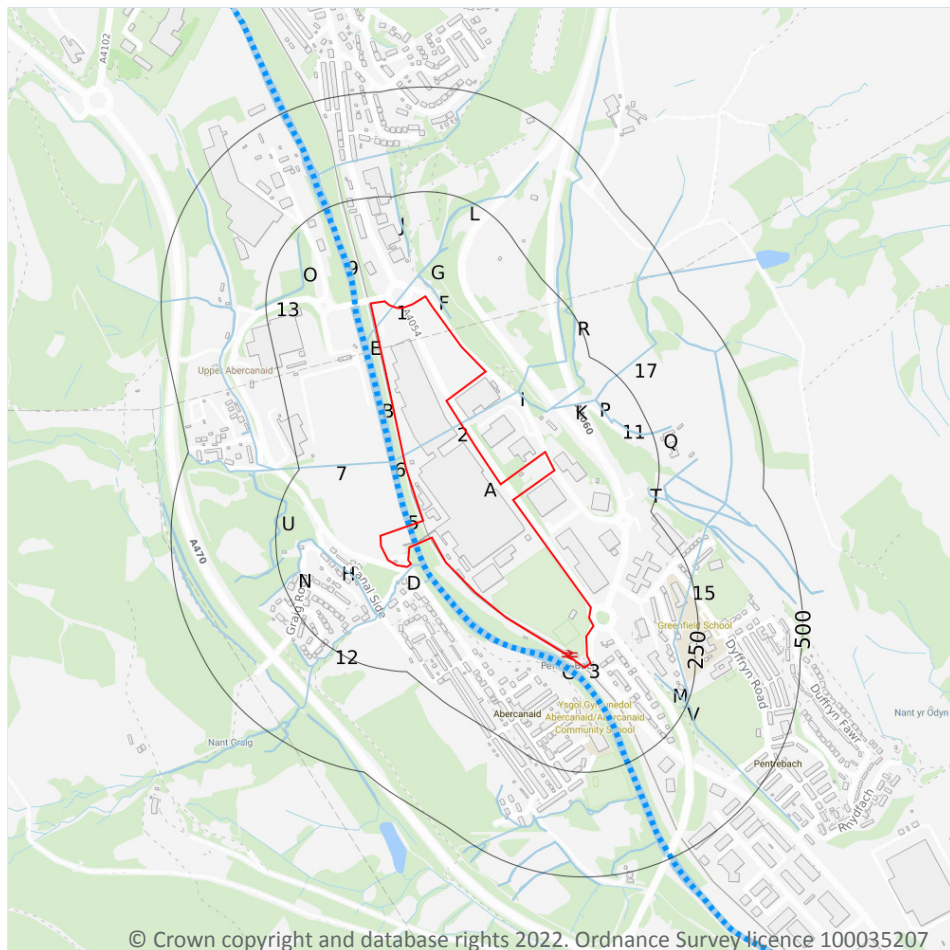
0

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

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



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

62

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

Features are displayed on the Hydrology map on **page 103**

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

ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Taf
D	5m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
D	6m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
E	17m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	18m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	25m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Taf
6	28m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Taf
7	28m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Cannaid
B	28m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Taf
D	31m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Taf
9	34m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Taf



ID	Location	Type of water feature	Ground level	Permanence	Name
D	47m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
D	50m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	54m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	76m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
H	88m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	90m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	90m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	90m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	91m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
I	93m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	94m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
I	96m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
I	99m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
J	101m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	103m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
K	103m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
G	108m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	108m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	111m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	126m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	127m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
D	127m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
D	127m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
D	150m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
M	154m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	155m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig

ID	Location	Type of water feature	Ground level	Permanence	Name
O	165m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	171m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	172m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	172m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	180m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Nant Graig
R	183m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
12	188m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Nant Graig
13	188m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	192m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	192m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	194m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
15	195m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
M	195m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
17	222m NE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
T	227m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	227m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
T	231m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	233m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	234m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
V	242m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	246m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
V	246m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

33

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 103**

This data is sourced from the Ordnance Survey.



6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on **page 103**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Taff - conf Taf Fechan to conf R Cynon	GB109057033100	Taff u s Cynon	South East Valleys

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on **page 103**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	On site	River	Taff - conf Taf Fechan to conf R Cynon	GB109057033100	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on **page 103**



ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	SE Valleys Carboniferous Coal Measures	GB40902G201900	Poor	Poor	Good	2017

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



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

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

7.2 Historical Flood Events

Records within 250m	8
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Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 111**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
3	On site	Pentrebach December 1979 07	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
B	5m SW	Pentrebach December 1979 05	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
E	15m SE	Pentrebach December 1979 02	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
H	38m W	Pentrebach December 1979 07	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
D	50m W	Pentrebach December 1979 08	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
F	57m SE	Pentrebach December 1979 05	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
29	170m E	Pentrebach December 1979 03	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
C	180m S	Pentrebach December 1979 02	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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



7.3 Flood Defences

Records within 250m**0**

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m**0**

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

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

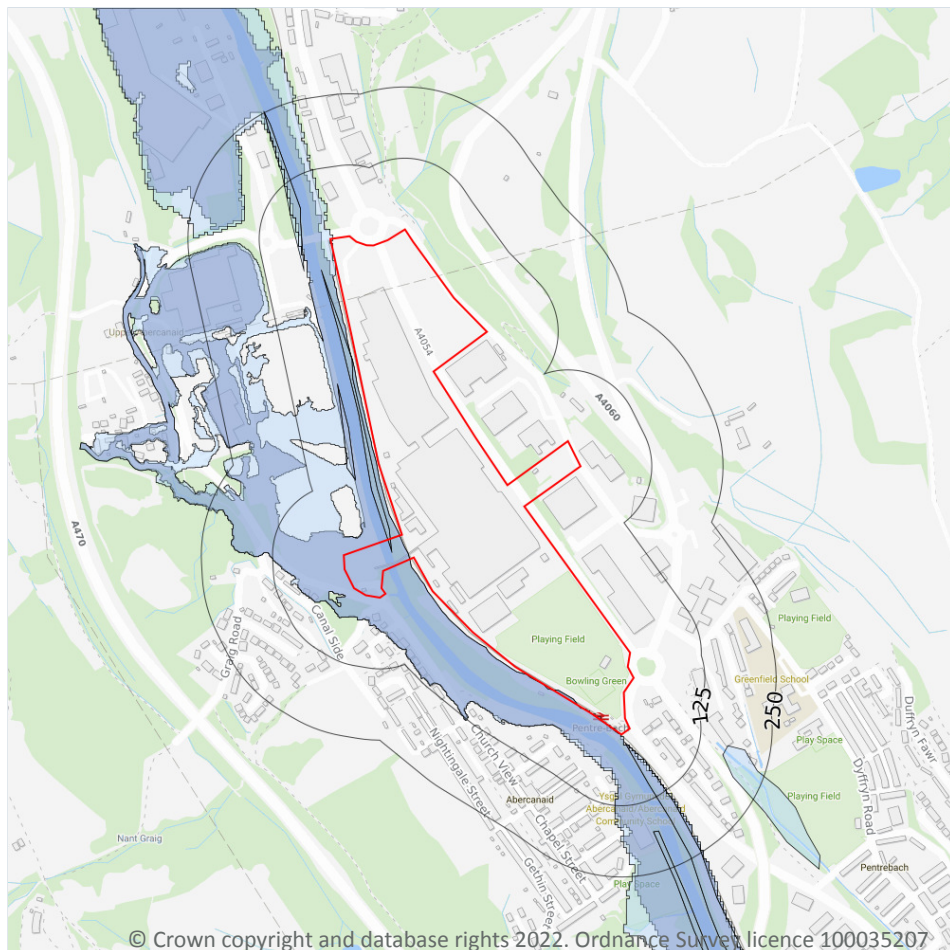
7.5 Flood Storage Areas

Records within 250m**0**

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

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

River and coastal flooding - Flood Zones



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

7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on **page 111**

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

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

7.7 Flood Zone 3

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on **page 111**

Location	Type
On site	Zone 3 - (Fluvial Models)

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

8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

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

1 in 250 return period

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

1 in 100 return period

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

1 in 30 return period

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

8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

Features are displayed on the Surface water flooding map on **page 116**

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

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

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

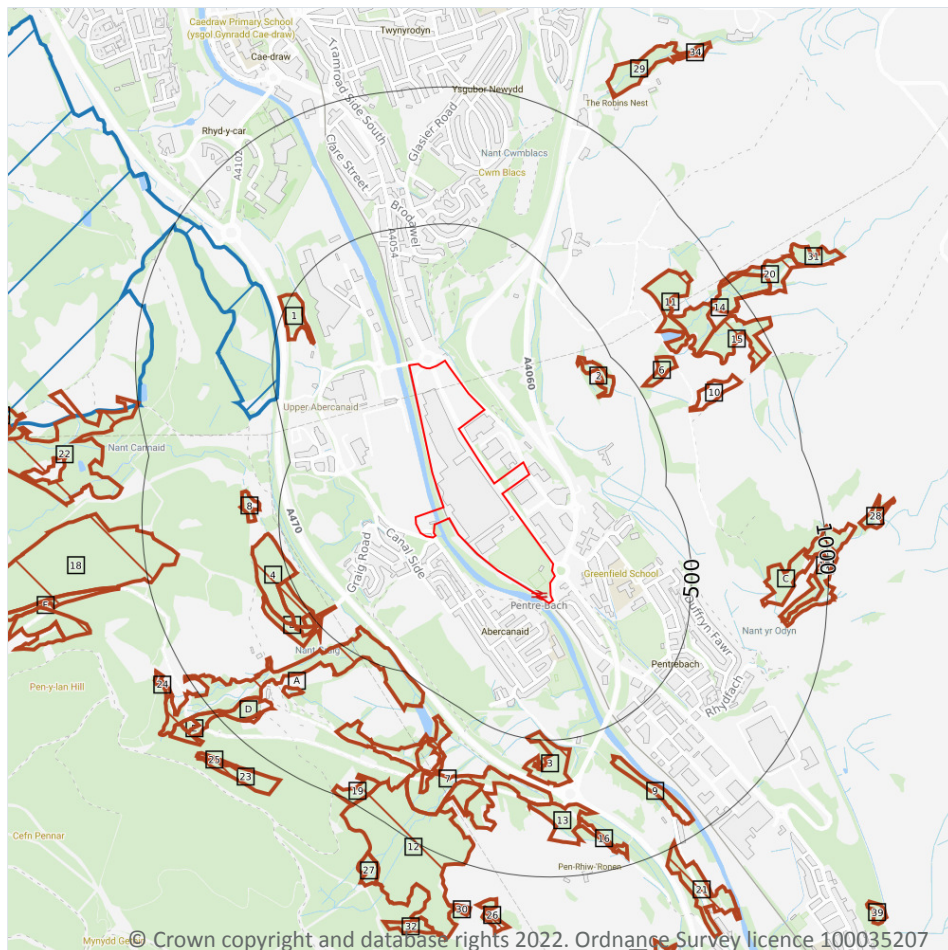
Low

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 118**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



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

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 119**

ID	Location	Name	Data source
5	478m W	CWM GLO A GLYNDYRYS	Natural Resources Wales



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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

68

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 119**

ID	Location	Name	Woodland Type
1	358m W	Unknown	Ancient Semi Natural Woodland
2	364m NE	Unknown	Ancient Semi Natural Woodland
A	408m SW	Unknown	Ancient Semi Natural Woodland
B	414m SW	Unknown	Ancient Semi Natural Woodland
3	470m S	Unknown	Ancient Semi Natural Woodland
4	472m W	Unknown	Ancient Semi Natural Woodland
B	486m SW	Unknown	Ancient Semi Natural Woodland
B	496m SW	Unknown	Ancient Semi Natural Woodland
6	521m NE	Unknown	Ancient Semi Natural Woodland
7	567m SW	Unknown	Ancient Semi Natural Woodland
8	571m W	Unknown	Ancient Semi Natural Woodland
9	605m SE	Unknown	Ancient Semi Natural Woodland
10	633m E	Unknown	Ancient Semi Natural Woodland
11	678m NE	Unknown	Ancient Semi Natural Woodland
12	709m S	Unknown	Ancient Semi Natural Woodland
A	724m SW	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
13	730m S	Unknown	Restored Ancient Woodland Site
14	739m NE	Unknown	Ancient Semi Natural Woodland
15	739m NE	Unknown	Ancient Semi Natural Woodland
C	762m E	Unknown	Restored Ancient Woodland Site
16	794m S	Unknown	Ancient Semi Natural Woodland
D	827m SW	Unknown	Restored Ancient Woodland Site
C	831m E	Unknown	Restored Ancient Woodland Site
17	844m E	Unknown	Ancient Semi Natural Woodland
18	876m W	Unknown	Ancient Semi Natural Woodland
D	877m SW	Unknown	Plantation on Ancient Woodland Site
19	888m SW	Unknown	Ancient Semi Natural Woodland
20	941m NE	Unknown	Ancient Semi Natural Woodland
E	983m SW	Unknown	Ancient Woodland Site of Unknown Category
21	985m SE	Unknown	Ancient Semi Natural Woodland
22	998m W	Unknown	Ancient Semi Natural Woodland
23	1038m SW	Unknown	Plantation on Ancient Woodland Site
E	1072m SW	Unknown	Ancient Woodland Site of Unknown Category
24	1076m SW	Unknown	Plantation on Ancient Woodland Site
25	1085m SW	Unknown	Ancient Woodland Site of Unknown Category
26	1097m S	Unknown	Ancient Semi Natural Woodland
F	1112m W	Unknown	Ancient Semi Natural Woodland
27	1126m SW	Unknown	Ancient Semi Natural Woodland
28	1129m E	Unknown	Ancient Semi Natural Woodland
29	1143m NE	Unknown	Restored Ancient Woodland Site
30	1148m S	Unknown	Ancient Semi Natural Woodland
31	1227m NE	Unknown	Ancient Semi Natural Woodland
32	1239m S	Unknown	Plantation on Ancient Woodland Site
F	1253m W	Unknown	Plantation on Ancient Woodland Site

ID	Location	Name	Woodland Type
33	1290m S	Unknown	Ancient Semi Natural Woodland
F	1351m W	Unknown	Ancient Semi Natural Woodland
34	1384m NE	Unknown	Ancient Semi Natural Woodland
35	1418m W	Unknown	Ancient Semi Natural Woodland
-	1497m S	Unknown	Plantation on Ancient Woodland Site
-	1521m W	Unknown	Ancient Semi Natural Woodland
-	1533m S	Unknown	Ancient Semi Natural Woodland
39	1596m SE	Unknown	Ancient Woodland Site of Unknown Category
-	1603m W	Unknown	Ancient Semi Natural Woodland
-	1605m W	Unknown	Plantation on Ancient Woodland Site
-	1609m W	Unknown	Plantation on Ancient Woodland Site
-	1614m S	Unknown	Ancient Semi Natural Woodland
-	1655m S	Unknown	Plantation on Ancient Woodland Site
-	1717m S	Unknown	Ancient Semi Natural Woodland
-	1718m S	Unknown	Restored Ancient Woodland Site
-	1742m W	Unknown	Plantation on Ancient Woodland Site
-	1747m W	Unknown	Plantation on Ancient Woodland Site
-	1789m S	Unknown	Ancient Semi Natural Woodland
-	1800m S	Unknown	Ancient Semi Natural Woodland
-	1841m SE	Unknown	Ancient Semi Natural Woodland
-	1843m W	Unknown	Ancient Woodland Site of Unknown Category
-	1852m S	Unknown	Ancient Semi Natural Woodland
-	1858m W	Unknown	Plantation on Ancient Woodland Site
-	1961m SE	Unknown	Restored Ancient Woodland Site

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



10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**0**

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

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site

0

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

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

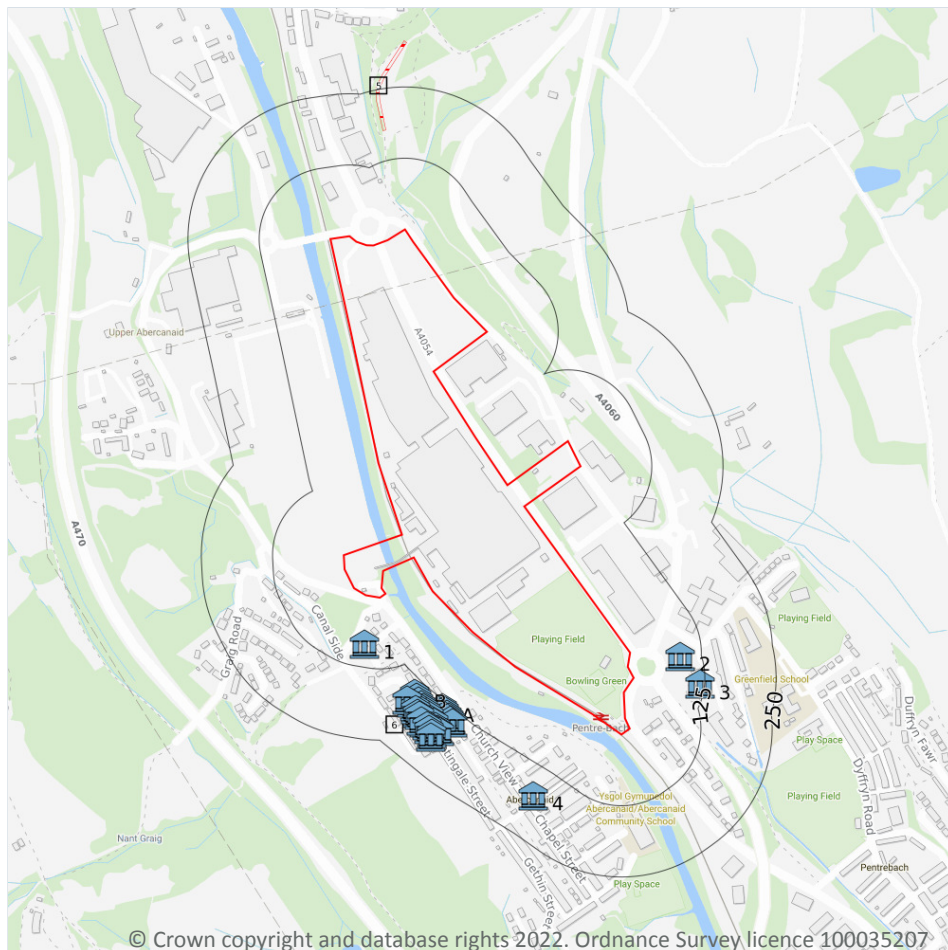
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation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

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



11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

34

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

Features are displayed on the Visual and cultural designations map on **page 127**

ID	Location	Name	Grade	Reference Number	Listed date
1	85m S	Llwyn-Yr-Eos House, Situated On The NW Side Of Abercanaid Just E Of The Former Glamorganshire Canal	II	11497	22/08/1975
2	88m E	Nw And N Facing Garden Walls At Pentrebach House, Adjoining The Traffic Roundabout At S End Of Merthyr Road (A4064) And Enclosing The Garden Ground To NW And N Of The House	II	11504	22/08/1975
3	117m E	Pentrebach House, Between Abercanaid And Pentrebach, Just E Of The Roundabout On The A4064	II	11503	22/08/1975



ID	Location	Name	Grade	Reference Number	Listed date
A	136m SW	6, River Row, Abercanaid, Cf48 1Uj, Situated On The NE Side Of Abercanaid Facing The Afon Taf	II	81728	22/08/1975
A	138m SW	5, River Row, Abercanaid, Cf48 1Uj, Situated On The NE Side Of Abercanaid Facing The Afon Taf	II	81727	22/08/1975
A	140m SW	4, River Row, Abercanaid, Cf48 1Uj, Situated On The NE Side Of Abercanaid Facing The Afon Taf	II	81726	22/08/1975
A	142m SW	3, River Row, Abercanaid, Cf48 1Uj, Situated On The NE Side Of Abercanaid Facing The Afon Taf	II	81725	22/08/1975
A	144m SW	2, River Row, Abercanaid, Cf48 1Uj, Situated On The NE Side Of Abercanaid Facing The Afon Taf	II	81724	22/08/1975
A	146m SW	Nos.1-6 (Consec) River Row, Abercanaid, Mid Glamorgan, Situated On The NE Side Of Abercanaid Facing The Afon Taf	II	11502	22/08/1975
B	148m SW	1 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	11498	22/08/1975
B	151m SW	2 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81729	22/08/1975
B	154m SW	3 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81730	22/08/1975
B	156m SW	4 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81731	22/08/1975
B	158m SW	5 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81732	22/08/1975
B	160m SW	6 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81733	22/08/1975
B	161m SW	8 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81734	22/08/1975
B	163m SW	80 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81747	22/08/1975
B	165m SW	7 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	11499	22/08/1975
B	165m SW	9 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81735	22/08/1975
B	166m SW	79 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81746	22/08/1975



ID	Location	Name	Grade	Reference Number	Listed date
B	166m SW	81 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81748	22/08/1975
B	168m SW	78 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81745	22/08/1975
B	169m SW	10 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81736	22/08/1975
B	171m SW	11 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81737	22/08/1975
B	172m SW	77 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81744	22/08/1975
B	172m SW	12 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81738	22/08/1975
B	172m SW	76 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	11501	22/08/1975
B	177m SW	74 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81742	22/08/1975
4	177m SW	Sion Independent Chapel, Situated On Corner Of Chapel Street And Cardiff Street, Behind Narrow Railed Forecourt With Stone Gatepiers	II	21318	08/02/1999
B	177m SW	75 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81743	22/08/1975
B	178m SW	70 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	11500	22/08/1975
B	181m SW	73 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81741	22/08/1975
B	183m SW	71 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81739	22/08/1975



ID	Location	Name	Grade	Reference Number	Listed date
B	189m SW	72 Nightingale Street, Situated On The NW Side Of Abercanaid Between The Afon Taf And The Former Glamorganshire Canal	II	81740	22/08/1975

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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

2

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

Features are displayed on the Visual and cultural designations map on **page 127**

ID	Location	Ancient monument name	Reference number
5	178m N	Merthyr Tramroad Tunnel (Trevithick's Tunnel)	4048
6	212m SW	Abercanaid haystack boiler	4023

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



11.7 Registered Parks and Gardens

Records within 250m

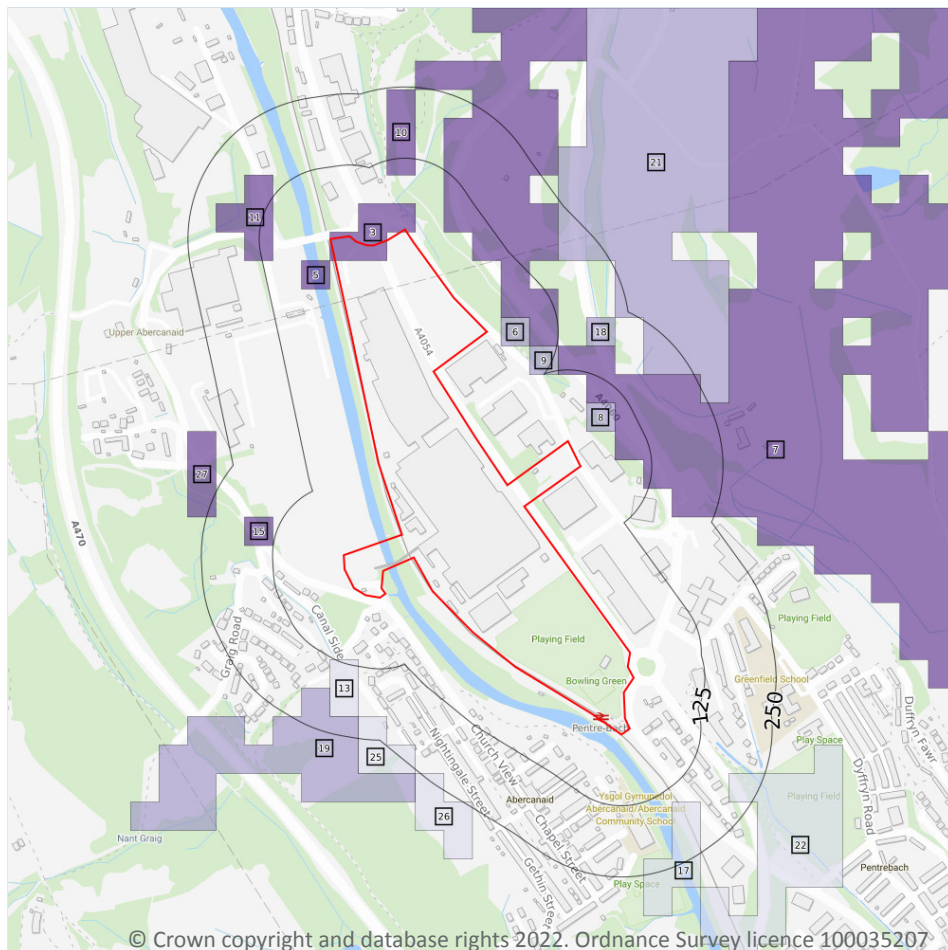
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Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process,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

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



12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

18

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

Features are displayed on the Agricultural designations map on **page 133**

ID	Location	Classification	Description
3	On site	Grade 5	Very poor quality agricultural land
5	9m W	Grade 5	Very poor quality agricultural land
6	25m E	Grade 4	Poor quality agricultural land



ID	Location	Classification	Description
7	35m NE	Grade 5	Very poor quality agricultural land
8	37m NE	Grade 4	Poor quality agricultural land
9	79m E	Grade 4	Poor quality agricultural land
10	95m N	Grade 5	Very poor quality agricultural land
11	101m W	Grade 5	Very poor quality agricultural land
13	113m S	Grade 3b	Moderate quality agricultural land
15	125m W	Grade 5	Very poor quality agricultural land
17	148m SE	Grade 3b	Moderate quality agricultural land
18	170m N	Grade 4	Poor quality agricultural land
19	174m S	Grade 4	Poor quality agricultural land
21	177m NE	Grade 4	Poor quality agricultural land
22	191m SE	Grade 3b	Moderate quality agricultural land
25	209m S	Grade 3b	Moderate quality agricultural land
26	225m SW	Grade 3b	Moderate quality agricultural land
27	234m W	Grade 5	Very poor quality agricultural land

This data is sourced from Natural Resources Wales.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.



12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 137**

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

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

☐ Geological map tile

15.1 50k Availability

Records within 500m

1

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

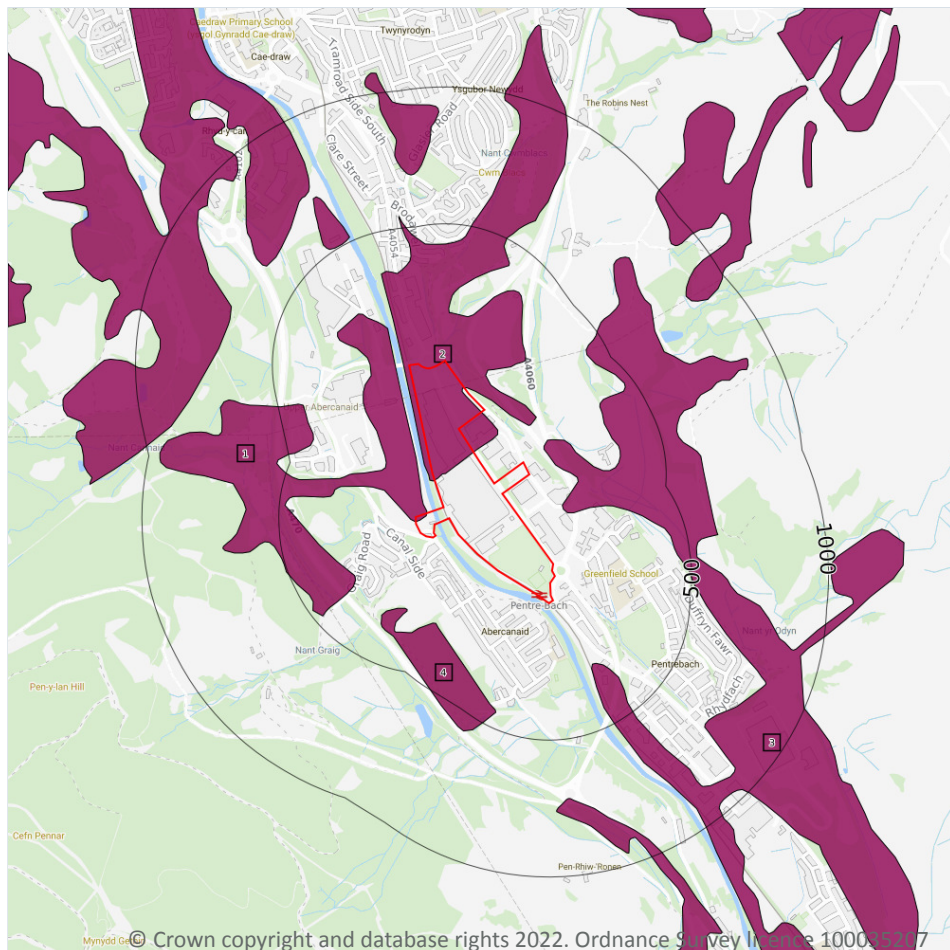
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 141**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW231_merthyr_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground



- Site Outline
- Search buffers in metres (m)
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

4

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 142**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	89m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	274m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT



This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

2

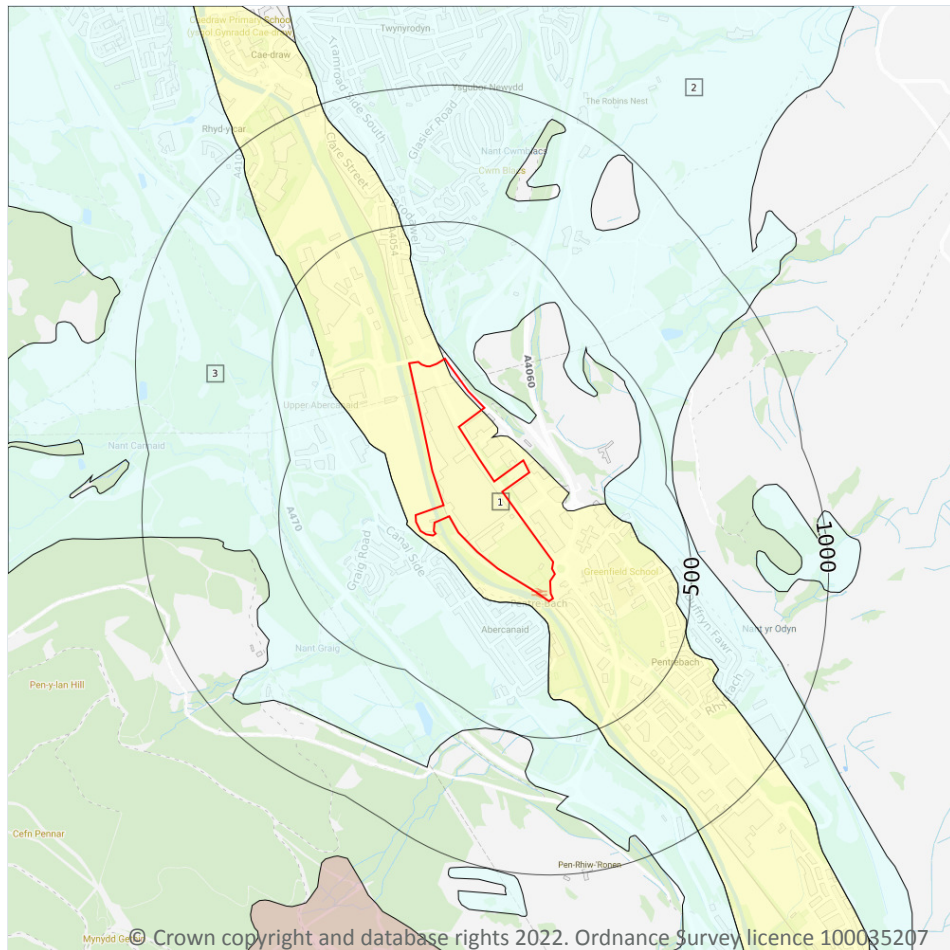
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 144**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	15m NE	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	18m SW	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m**3**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	Very Low
15m E	Mixed	High	Low
18m S	Mixed	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m**0**

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

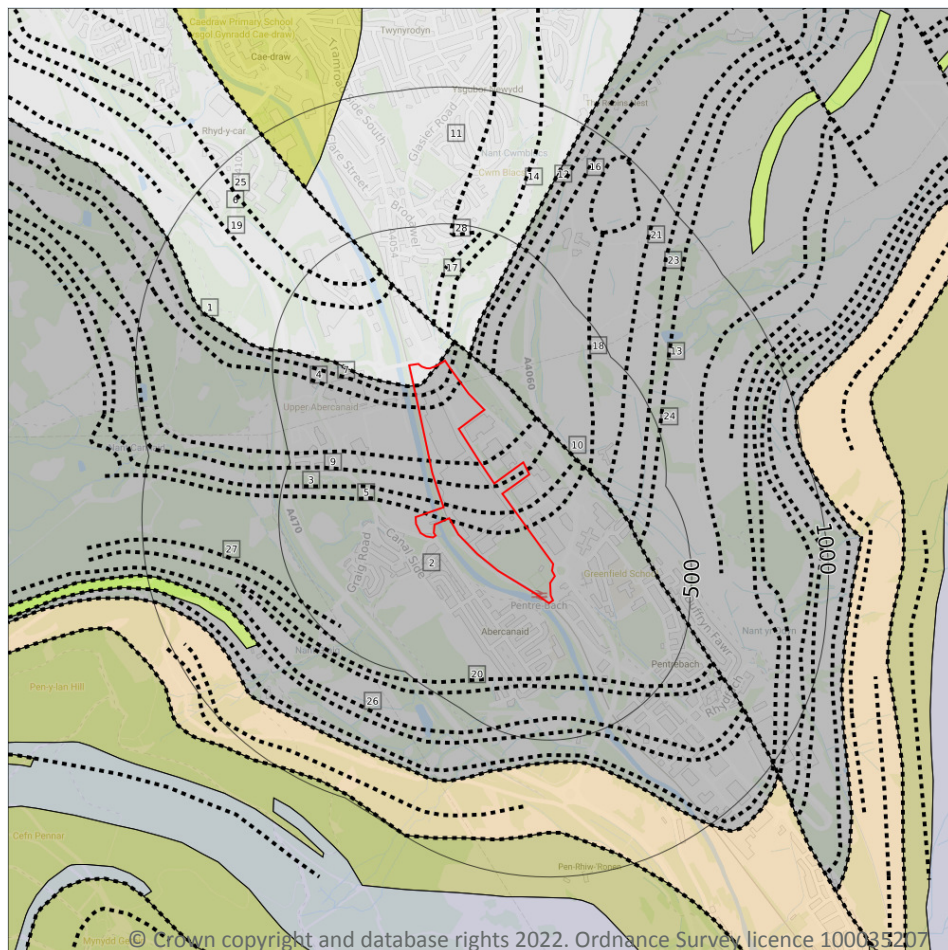
Records within 50m**0**

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

4

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 146**

ID	Location	LEX Code	Description	Rock age
2	On site	SWMCM-MDSS	SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
6	On site	SWLCM-MDSS	SOUTH WALES LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
11	76m NE	SWLCM-MDSS	SOUTH WALES LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
13	89m NE	SWMCM-MDSS	SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	2
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	25
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Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 146**

ID	Location	Category	Description
1	On site	FOSSIL_HORIZON	Marine band
3	On site	ROCK	Coal seam, inferred
4	On site	ROCK	Coal seam, inferred
5	On site	ROCK	Coal seam, inferred
7	On site	ROCK	Coal seam, inferred
8	On site	ROCK	Coal seam, inferred
9	On site	ROCK	Coal seam, inferred

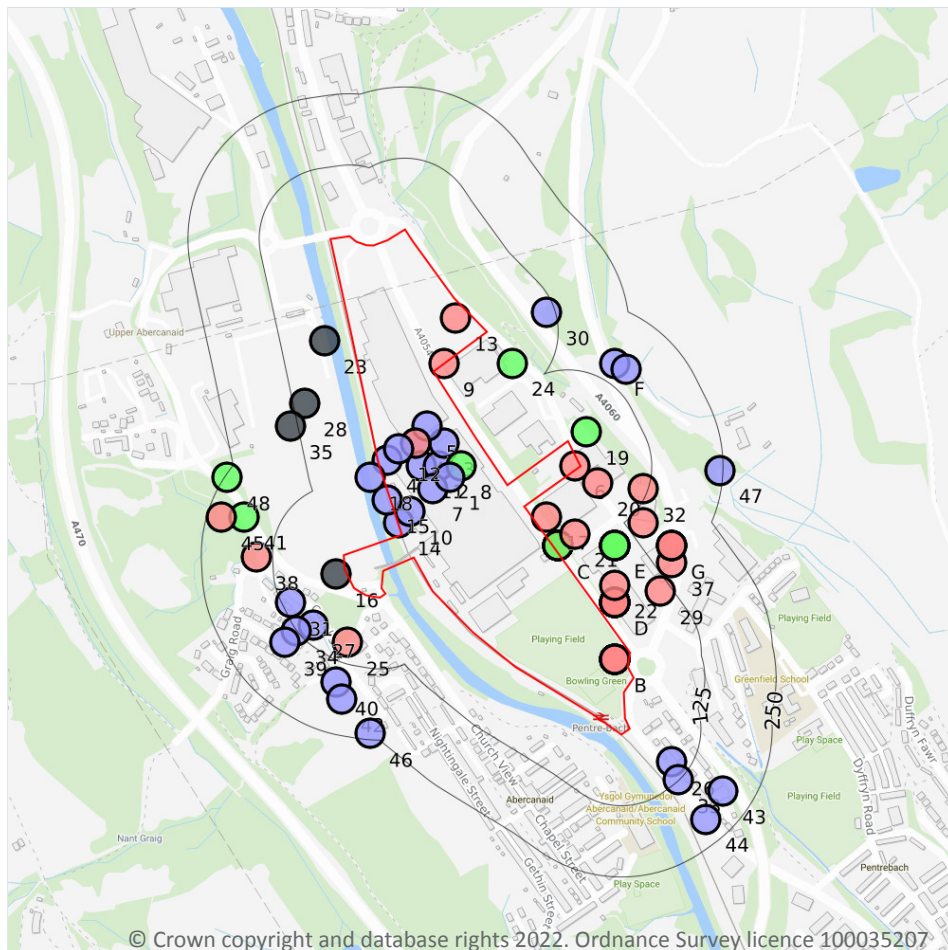


ID	Location	Category	Description
10	76m NE	FAULT	Fault, inferred, displacement unknown
12	89m NE	FOSSIL_HORIZON	Marine band
14	92m N	ROCK	Coal seam, inferred
15	97m NE	ROCK	Coal seam, inferred
16	117m NE	ROCK	Coal seam, inferred
17	141m N	ROCK	Coal seam, inferred
18	220m E	ROCK	Coal seam, inferred
19	257m NW	ROCK	Coal seam, inferred
20	272m S	ROCK	Coal seam, inferred
21	289m E	ROCK	Coal seam, inferred
22	305m S	FOSSIL_HORIZON	Marine band
23	316m NE	ROCK	Coal seam, inferred
24	324m E	ROCK	Coal seam, inferred
25	338m NW	ROCK	Coal seam, inferred
26	420m S	ROCK	Coal seam, inferred
27	449m SW	ROCK	Coal seam, inferred
28	461m N	ROCK	Coal seam, observed
29	473m S	FOSSIL_HORIZON	Marine band

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

98

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 149**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	305710 204220	HOOVER LTD - NEW FACTORY AT PENTREBACH 5	6.09	N	15990975
2	On site	305690 204240	HOOVER LTD - NEW FACTORY AT PENTREBACH 10	6.24	N	15991031



ID	Location	Grid reference	Name	Length	Confidential	Web link
3	On site	305700 204280	HOOVER LTD - NEW FACTORY AT PENTREBACH 17	5.79	N	15991034
4	On site	305600 204250	HOOVER LTD - NEW FACTORY AT PENTREBACH 19	8.07	N	15991036
5	On site	305670 204310	HOOVER LTD - NEW FACTORY AT PENTREBACH 22	5.79	N	15991040
6	On site	305930 204240	WDA PENTREBACH MERTHYR. 4A	33.45	N	260787
7	On site	305680 204200	HOOVER LTD - NEW FACTORY AT PENTREBACH 4	6.24	N	15990974
8	On site	305730 204240	HOOVER LTD - NEW FACTORY AT PENTREBACH 6	19.2	N	15990976
9	On site	305700 204420	WDA PENTREBACH MERTHYR. 5A	42.1	N	260788
10	On site	305640 204160	HOOVER LTD - NEW FACTORY AT PENTREBACH 2	8.22	N	15990972
11	On site	305660 204240	HOOVER LTD - NEW FACTORY AT PENTREBACH 15	5.1	N	15991033
12	On site	305620 204270	HOOVER LTD - NEW FACTORY AT PENTREBACH 20	8.83	N	15991037
13	On site	305720 204500	WDA PENTREBACH MERTHYR. 7A	40.1	N	260790
14	On site	305620 204140	HOOVER LTD - NEW FACTORY AT PENTREBACH 1	3.2	N	15990969
A	On site	305650 204280	HOOVER LTD - NEW FACTORY AT PENTREBACH 21	4.11	N	15991038
A	On site	305650 204280	HOOVER LTD - NEW FACTORY AT PENTREBACH 21A	61.11	N	15991039
B	On site	306000 203900	REDEV, PENTREBACH Z 8	40.0	N	260877
B	On site	306000 203900	REDEV, PENTREBACH V 8	42.0	N	260876
B	On site	306000 203900	REDEV, PENTREBACH ZD8	45.0	N	260878
B	On site	306000 203900	REDEV, PENTREBACH Z20	38.0	N	260891
B	On site	306000 203900	REDEV, PENTREBACH ZH20	34.0	N	260893
B	On site	306000 203900	REDEV, PENTREBACH ZH8	46.0	N	260879
B	On site	306000 203900	REDEV, PENTREBACH ZD20	40.0	N	260892
B	On site	306000 203900	REDEV, PENTREBACH ZM20	35.0	N	260894
B	On site	306000 203900	REDEV, PENTREBACH ZM8	47.0	N	260880
15	6m W	305600 204180	HOOVER LTD - NEW FACTORY AT PENTREBACH 12	5.71	N	15991032
C	8m NE	305900 204100	REDEV, PENTREBACH AA8	36.0	N	260871



ID	Location	Grid reference	Name	Length	Confidential	Web link
C	8m NE	305900 204100	REDEV, PENTREBACH JJ8	-2.0	N	260869
C	8m NE	305900 204100	REDEV, PENTREBACH H 8	40.0	N	260873
C	8m NE	305900 204100	REDEV, PENTREBACH R 8	40.0	N	260875
C	8m NE	305900 204100	REDEV, PENTREBACH M 8	40.0	N	260874
C	8m NE	305900 204100	REDEV, PENTREBACH EE8	30.0	N	260870
C	8m NE	305900 204100	REDEV, PENTREBACH SS8	30.0	N	260867
C	8m NE	305900 204100	REDEV, PENTREBACH JJ20	25.5	N	260883
C	8m NE	305900 204100	REDEV, PENTREBACH NN20	23.0	N	260882
C	8m NE	305900 204100	REDEV, PENTREBACH NN8	29.0	N	260868
C	8m NE	305900 204100	REDEV, PENTREBACH D 8	39.0	N	260872
C	8m NE	305900 204100	REDEV, PENTREBACH SS20	28.0	N	260881
16	18m SW	305510 204050	WELSH IND. ESTATE. 5A	-	Y	N/A
17	21m NE	305880 204150	WDA PENTREBACH MERTHYR. 3A	42.3	N	260786
18	22m W	305570 204220	HOOVER LTD - NEW FACTORY AT PENTREBACH 18	4.8	N	15991035
D	30m NE	306000 204000	REDEV, PENTREBACH R20	36.0	N	260889
D	30m NE	306000 204000	REDEV, PENTREBACH M20	34.0	N	260888
D	30m NE	306000 204000	REDEV, PENTREBACH EE20	30.0	N	260884
D	30m NE	306000 204000	REDEV, PENTREBACH R32	35.0	N	260903
D	30m NE	306000 204000	REDEV, PENTREBACH AA20	30.0	N	260885
D	30m NE	306000 204000	REDEV, PENTREBACH ZH32	40.0	N	260907
D	30m NE	306000 204000	REDEV, PENTREBACH H 20	33.0	N	260887
D	30m NE	306000 204000	REDEV, PENTREBACH ZD32	40.0	N	260906
D	30m NE	306000 204000	REDEV, PENTREBACH V20	37.5	N	260890
D	30m NE	306000 204000	REDEV, PENTREBACH Z32	38.0	N	260905
D	30m NE	306000 204000	REDEV, PENTREBACH ZM32	40.0	N	260908
D	30m NE	306000 204000	REDEV, PENTREBACH V32	37.0	N	260904
D	30m NE	306000 204000	REDEV, PENTREBACH D 20	39.0	N	260886
19	37m NE	305950 204300	PENTRE BACH, MERTHYR TYDFIL. 6	24.0	N	260762



ID	Location	Grid reference	Name	Length	Confidential	Web link
20	42m SE	305970 204210	PENTRE BACH, MERTHYR TYDFIL. 5	36.3	N	260761
21	44m NE	305930 204120	PENTRE BACH, MERTHYR TYDFIL. 3	45.4	N	260760
22	48m NE	306000 204030	WDA PENTREBACH MERTHYR. 2A	46.7	N	260785
23	49m W	305490 204460	WELSH IND. ESTATE. 2	-	Y	N/A
24	71m SE	305820 204420	WDA PENTREBACH MERTHYR. 6A	30.0	N	260789
E	89m NE	306000 204100	REDEV, PENTREBACH D32	35.0	N	260900
E	89m NE	306000 204100	REDEV, PENTREBACH M32	34.0	N	260902
E	89m NE	306000 204100	REDEV, PENTREBACH EE32	30.0	N	260898
E	89m NE	306000 204100	REDEV, PENTREBACH AA32	31.0	N	260899
E	89m NE	306000 204100	REDEV, PENTREBACH NN32	28.0	N	260896
E	89m NE	306000 204100	REDEV, PENTREBACH H32	33.0	N	260901
E	89m NE	306000 204100	REDEV, PENTREBACH JJ32	30.0	N	260897
E	89m NE	306000 204100	REDEV, PENTREBACH SS32	28.0	N	260895
25	89m S	305530 203930	ABERCANAID SHAFT, 231/40	130.75	N	260693
26	95m SE	306100 203720	TAFF VALE TRUNK ROAD, ABERFAN. TP.198	2.4	N	260653
27	97m SW	305470 203960	TAFF VALE TRUNK ROAD, ABERFAN. 168	6.3	N	260668
28	105m W	305455 204350	MERTHYR 2	-	Y	N/A
29	107m NE	306080 204020	WDA PENTREBACH MERTHYR. 1A	41.12	N	260784
30	110m E	305880 204510	MERTHYR WILLOWS FOCHRIW. TP.2	2.6	N	260712
31	112m SW	305430 204000	TAFF VALE TRUNK ROAD, ABERFAN. TP.509	4.5	N	260671
32	117m E	306050 204200	PENTRE BACH, MERTHYR TYDFIL. 4	33.0	N	260763
33	124m SE	306111 203689	ABERFAN BY-PASS/PENTREBACH LINK. 3027	8.0	N	260711
34	127m SW	305440 203950	TAFF VALE TRUNK ROAD, ABERFAN. TP.627	4.0	N	260669
35	138m W	305430 204310	WELSH IND. ESTATE. 6A	-	Y	N/A
36	148m SE	306050 204140	PENTRE BACH, MERTHYR TYDFIL. 2	42.3	N	260759
37	152m NE	306100 204070	PENTRE BACH, MERTHYR TYDFIL. 1	41.7	N	260758
38	154m W	305370 204080	TAFF VALE TRUNK ROAD, ABERFAN. 169	49.7	N	260672
39	155m SW	305420 203930	TAFF VALE TRUNK ROAD, ABERFAN. TP.626	2.8	N	260670

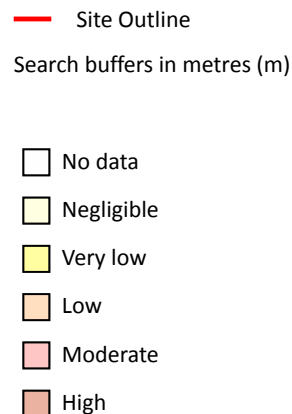


ID	Location	Grid reference	Name	Length	Confidential	Web link
F	160m NE	306000 204420	MERTHYR WILLOWS FOCHRIW. TP.4A	2.3	N	260714
40	162m S	305510 203860	TAFF VALE TRUNK ROAD, ABERFAN. TP.503	4.65	N	260667
F	163m NE	306020 204410	MERTHYR WILLOWS FOCHRIW. TP.4	1.4	N	260713
G	170m NE	306100 204100	REDEV, PENTREBACH ZD40	34.0	N	260910
G	170m NE	306100 204100	REDEV, PENTREBACH Z40	36.0	N	260909
G	170m NE	306100 204100	REDEV, PENTREBACH ZM40	34.0	N	260912
G	170m NE	306100 204100	REDEV, PENTREBACH ZH40	40.0	N	260911
41	187m W	305350 204150	TAFF VALE TRUNK ROAD, ABERFAN. 170. TP.510,511	30.0	N	260673
42	188m S	305520 203830	TAFF VALE TRUNK ROAD, ABERFAN. 167	8.0	N	260666
43	197m SE	306190 203670	TAFF VALE TRUNK ROAD, ABERFAN. TP.200	3.42	N	260651
44	208m SE	306160 203620	TAFF VALE TRUNK ROAD, ABERFAN. TP.197	3.8	N	260652
45	224m W	305310 204150	TAFF VALE TRUNK ROAD, ABERFAN. 171,171A	33.7	N	260674
46	239m S	305570 203770	TAFF VALE TRUNK ROAD, ABERFAN. 166. TP.507	8.0	N	260665
47	245m E	306184 204232	PENTREBACH, (130 & 498) TP.3	2.29	N	260570
48	246m NW	305320 204220	TAFF VALE TRUNK ROAD, ABERFAN. BH'S & TP'S	25.5	N	260675

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

3

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

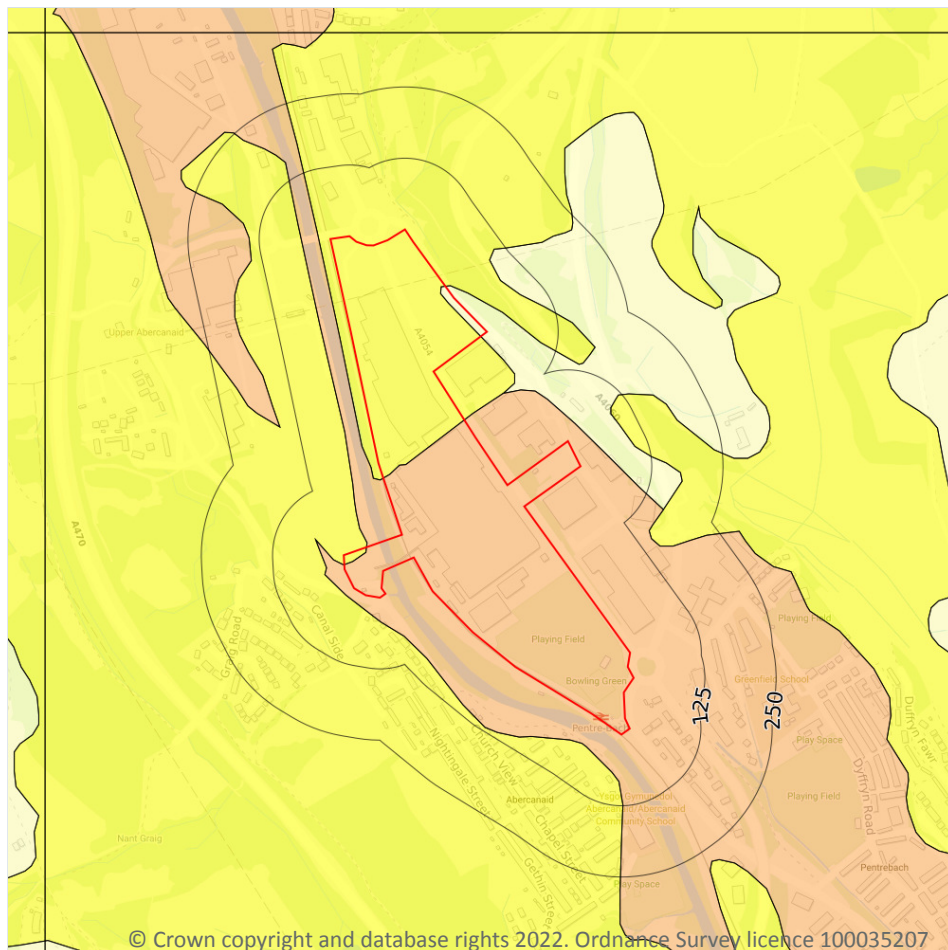
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 154**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.
31m NE	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

3

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

Features are displayed on the Natural ground subsidence - Running sands map on **page 156**

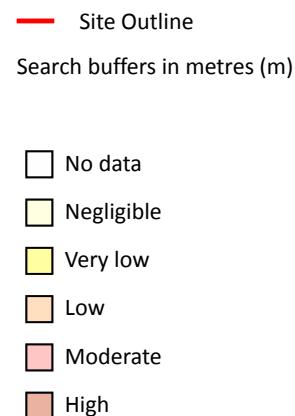
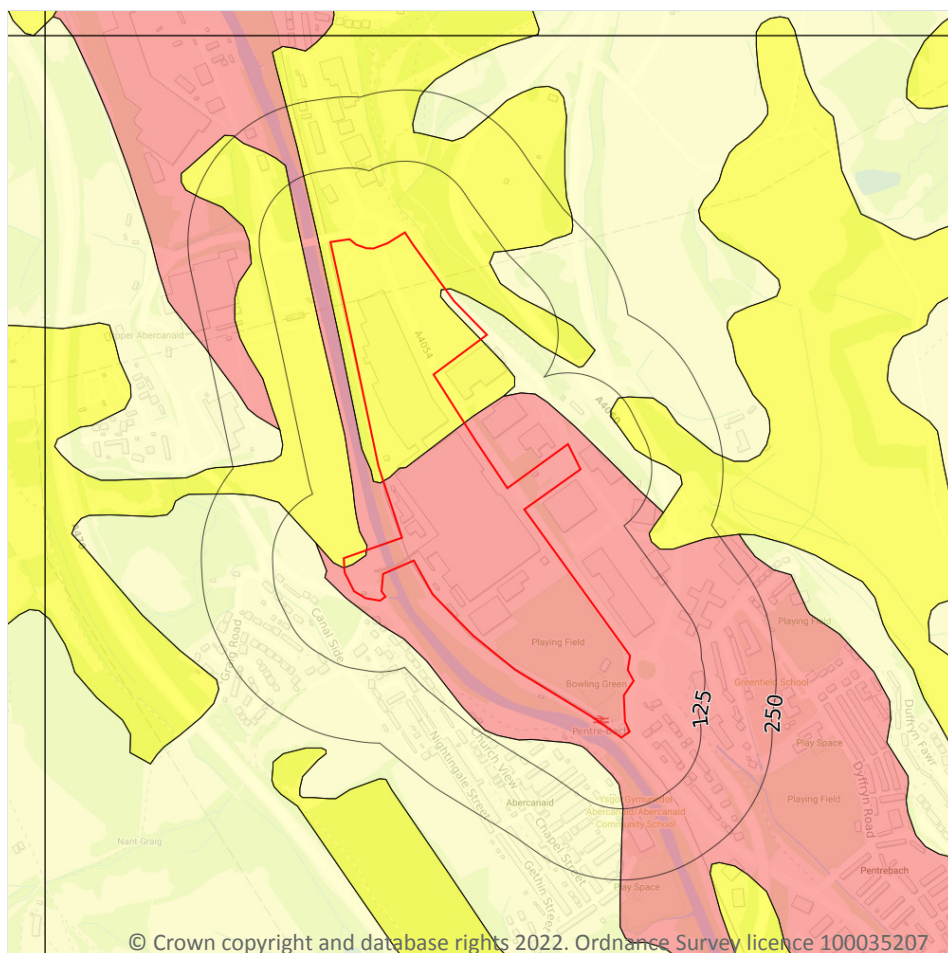
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

4

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 158**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

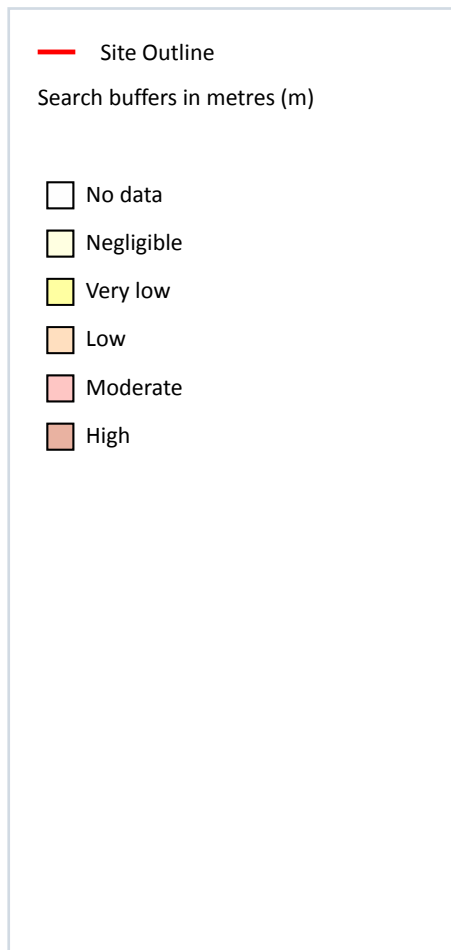


Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
18m SW	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

3

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

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 160**

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
18m SW	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



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 No data
 Negligible
 Very low
 Low
 Moderate
 High

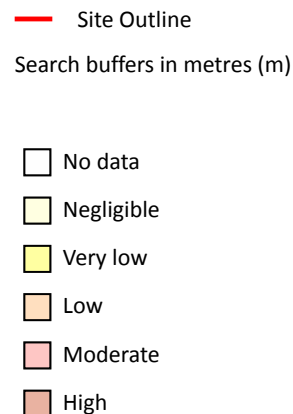
162

Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
2m NE	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

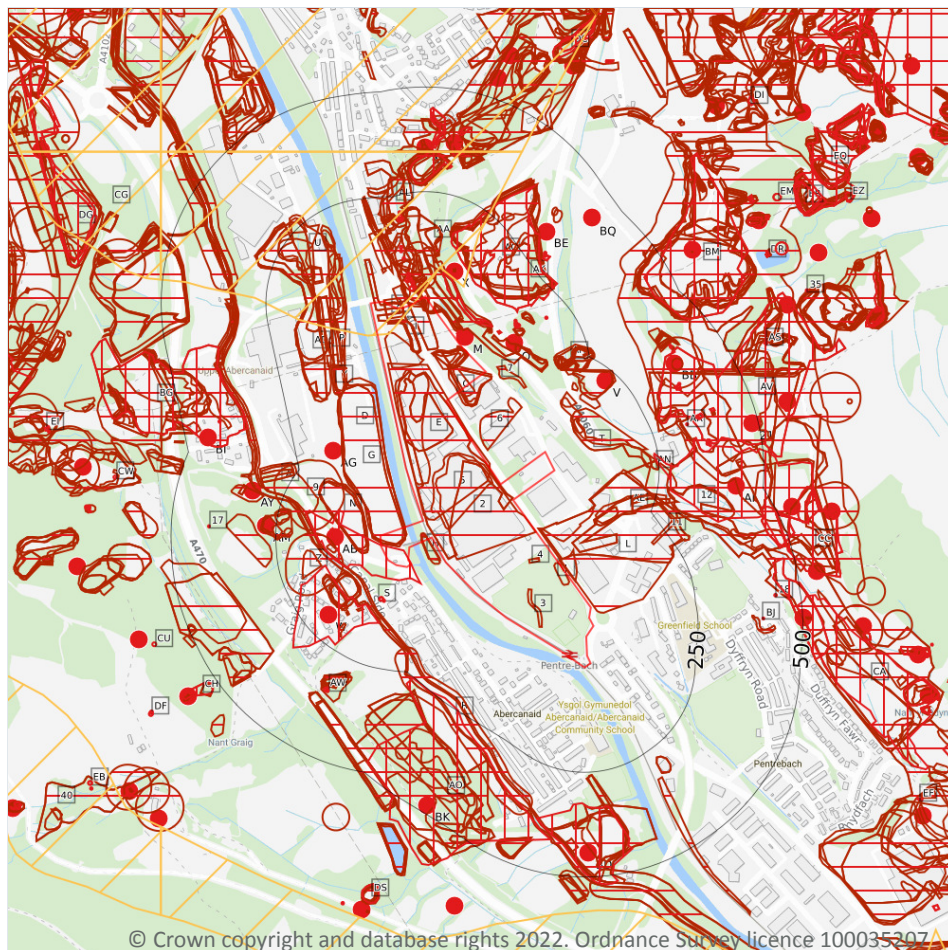
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 164**

Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m

22

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 166**

ID	Location	Details	Description
M	21m NE	Name: Pen-cae-bach Pits Address: MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
X	91m NE	Name: Penyard Level Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
Q	96m NE	Name: Pen-cae-bach Cottage Address: MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AB	109m W	Name: Upper Aber-canaid Pit Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
AG	161m W	Name: Upper Aber-canaid Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
W	194m SW	Name: Graig Pit Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
V	222m NE	Name: Ellis Pit (Disused) Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AM	275m W	Name: Upper Aber-canaid Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AY	322m W	Name: Lucy No 4 Level Address: MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
BE	325m NE	Name: Clyn-mil Pit No 1 Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
BE	325m NE	Name: Clyn-mil Pit No 1 Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AY	342m W	Name: Upper Aber-canaid Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AQ	355m N	Name: Clyn-mil Drift Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AQ	357m N	Name: Clyn-mil Drift Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
AQ	373m N	Name: Prospect House Pit Address: MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
BB	373m NE	Name: Ellis Pit Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
BQ	433m NE	Name: Pen-yard House Address: MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AI	436m E	Name: Graig Pit Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
BD	442m S	Name: Gethin No. 1 Pit Address: Abercanaid, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
BI	447m W	Name: Upper Aber-canaid Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
BK	480m SW	Name: Gethin No. 2 Pit Address: Abercanaid, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
21	484m E	Name: Wern-las Level Address: Pentrebach, MERTHYR TYDFIL, Mid Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	202
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Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 166**

ID	Location	Land Use	Year of mapping	Mapping scale
2	On site	Unspecified Heap	1875	1:10560
3	On site	Unspecified Pit	1875	1:10560
4	On site	Unspecified Pit	1875	1:10560
5	On site	Unspecified Heap	1901	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Unspecified Pit	1901	1:10560
A	On site	Unspecified Ground Workings	1901	1:10560
A	On site	Unspecified Ground Workings	1968	1:10560
A	On site	Unspecified Ground Workings	1964	1:10560
A	On site	Unspecified Ground Workings	1938	1:10560
A	On site	Unspecified Ground Workings	1938	1:10560
A	On site	Unspecified Ground Workings	1948	1:10560
A	On site	Unspecified Pit	1903	1:10560
A	On site	Unspecified Ground Workings	1903	1:10560
A	On site	Unspecified Ground Workings	1921	1:10560
A	On site	Unspecified Ground Workings	1915	1:10560
A	On site	Unspecified Ground Workings	1922	1:10560
A	On site	Unspecified Ground Workings	1922	1:10560
A	On site	Unspecified Ground Workings	1922	1:10560
A	On site	Unspecified Ground Workings	1922	1:10560
B	On site	Unspecified Ground Workings	1901	1:10560
B	On site	Unspecified Pit	1938	1:10560
B	On site	Unspecified Pit	1938	1:10560
B	On site	Unspecified Pit	1948	1:10560
B	On site	Unspecified Ground Workings	1921	1:10560
B	On site	Unspecified Pit	1915	1:10560
B	On site	Unspecified Pit	1922	1:10560
B	On site	Unspecified Pit	1922	1:10560
C	On site	Unspecified Ground Workings	1901	1:10560
C	On site	Unspecified Heap	1964	1:10560
C	On site	Unspecified Heap	1922	1:10560
C	On site	Unspecified Heap	1922	1:10560
C	On site	Unspecified Heap	1948	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
D	On site	Unspecified Heaps	1968	1:10560
D	On site	Unspecified Heaps	1964	1:10560
E	On site	Refuse Heap	1968	1:10560
E	On site	Refuse Heap	1964	1:10560
E	On site	Unspecified Heap	1901	1:10560
F	On site	Unspecified Ground Workings	1922	1:10560
F	On site	Unspecified Ground Workings	1922	1:10560
F	On site	Unspecified Heap	1948	1:10560
G	On site	Unspecified Heaps	1922	1:10560
G	On site	Unspecified Heaps	1922	1:10560
G	On site	Unspecified Heap	1948	1:10560
H	On site	Unspecified Heap	1922	1:10560
H	On site	Unspecified Heap	1922	1:10560
H	On site	Unspecified Pit	1948	1:10560
I	On site	Unspecified Heaps	1938	1:10560
I	On site	Unspecified Heaps	1938	1:10560
I	On site	Unspecified Heap	1948	1:10560
I	On site	Unspecified Ground Workings	1915	1:10560
J	On site	Pond	1922	1:10560
J	5m NE	Refuse Heap	1875	1:10560
L	7m NE	Brick Works	1901	1:10560
A	11m N	Cuttings	1948	1:10560
L	12m NE	Brick Works	1922	1:10560
L	12m NE	Brick Works	1922	1:10560
A	15m NW	Old Coal Level	1948	1:10560
6	19m NE	Unspecified Pit	1964	1:10560
N	30m W	Unspecified Disused Pit	1948	1:10560
7	30m E	Unspecified Ground Workings	1948	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
N	32m W	Unspecified Disused Pit	1922	1:10560
N	32m W	Unspecified Disused Pit	1922	1:10560
N	35m W	Unspecified Heap	1968	1:10560
N	35m W	Unspecified Heap	1964	1:10560
A	42m NW	Old Coal Level	1922	1:10560
A	42m NW	Old Coal Level	1922	1:10560
A	47m NW	Unspecified Ground Workings	1921	1:10560
O	51m NE	Coal Level	1901	1:10560
L	55m NE	Refuse Heap	1922	1:10560
L	55m NE	Refuse Heap	1922	1:10560
O	55m NE	Unspecified Ground Workings	1948	1:10560
P	63m W	Unspecified Ground Workings	1901	1:10560
A	65m N	Cuttings	1903	1:10560
P	66m W	Unspecified Ground Workings	1903	1:10560
A	68m N	Old Coal Level	1921	1:10560
Q	68m NE	Unspecified Ground Workings	1922	1:10560
Q	68m NE	Unspecified Ground Workings	1922	1:10560
Q	70m NE	Coal Level	1921	1:10560
Q	71m NE	Coal Level	1938	1:10560
Q	71m NE	Coal Level	1938	1:10560
Q	73m NE	Coal Level	1922	1:10560
Q	73m NE	Coal Level	1922	1:10560
Q	74m NE	Coal Level	1915	1:10560
A	76m N	Cuttings	1903	1:10560
R	77m SW	Disused Canal	1922	1:10560
R	81m SW	Canal	1901	1:10560
R	81m SW	Disused Canal	1948	1:10560
T	85m NE	Unspecified Ground Workings	1968	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
T	85m NE	Unspecified Ground Workings	1964	1:10560
A	85m N	Old Coal Level	1915	1:10560
Q	86m NE	Unspecified Ground Workings	1948	1:10560
Q	86m NE	Coal Level	1948	1:10560
Q	87m NE	Unspecified Ground Workings	1915	1:10560
U	88m W	Unspecified Ground Workings	1875	1:10560
V	89m NE	Unspecified Ground Workings	1901	1:10560
W	90m SW	Unspecified Heaps	1922	1:10560
W	90m SW	Unspecified Heaps	1922	1:10560
X	91m NE	Old Coal Level	1938	1:10560
X	91m NE	Old Coal Level	1938	1:10560
A	92m NW	Unspecified Heap	1948	1:10560
T	92m NE	Unspecified Heap	1948	1:10560
W	92m SW	Refuse Heap	1968	1:10560
W	92m SW	Refuse Heap	1964	1:10560
W	93m SW	Unspecified Heap	1948	1:10560
Y	97m W	Unspecified Heap	1901	1:10560
Y	97m W	Unspecified Heap	1948	1:10560
Z	98m W	Burial Ground	1988	1:10000
AA	99m N	Unspecified Ground Workings	1915	1:10560
P	101m W	Cuttings	1948	1:10560
P	102m W	Cuttings	1938	1:10560
AA	102m N	Unspecified Heaps	1948	1:10560
8	103m W	Cuttings	1948	1:10560
AB	106m W	Pond	1901	1:10560
A	112m N	Unspecified Heap	1948	1:10560
Q	115m NE	Coal Level	1938	1:10560
Q	115m NE	Coal Level	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AC	116m NE	Coal and Ironstone Pit	1875	1:10560
Q	116m NE	Unspecified Heap	1948	1:10560
AD	116m W	Unspecified Ground Workings	1922	1:10560
AD	116m W	Unspecified Ground Workings	1922	1:10560
9	117m NW	Dock	1875	1:10560
Q	117m NE	Unspecified Heap	1915	1:10560
V	119m NE	Unspecified Heap	1948	1:10560
AC	119m NE	Unspecified Disused Pit	1922	1:10560
AC	119m NE	Unspecified Disused Pit	1922	1:10560
AC	120m NE	Unspecified Ground Workings	1921	1:10560
AD	120m W	Unspecified Ground Workings	1938	1:10560
AD	120m W	Unspecified Ground Workings	1938	1:10560
AC	121m NE	Unspecified Disused Pit	1948	1:10560
AC	123m NE	Unspecified Disused Pit	1938	1:10560
AC	123m NE	Unspecified Disused Pit	1938	1:10560
AC	123m NE	Unspecified Ground Workings	1915	1:10560
U	125m NW	Cuttings	1948	1:10560
U	128m NW	Cuttings	1938	1:10560
L	128m NE	Unspecified Heap	1968	1:10560
L	128m NE	Unspecified Heap	1964	1:10560
Y	128m W	Unspecified Heaps	1948	1:10560
W	129m SW	Saw Pit	1875	1:10560
AD	130m W	Unspecified Heap	1968	1:10560
AD	130m W	Unspecified Heap	1964	1:10560
AC	131m NE	Unspecified Disused Pit	1901	1:10560
AC	132m NE	Unspecified Pit	1903	1:10560
W	132m SW	Unspecified Disused Pit	1948	1:10560
AE	134m NE	Refuse Heap	1948	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
W	137m SW	Unspecified Disused Pit	1901	1:10560
W	137m SW	Refuse Heap	1875	1:10560
U	147m NW	Unspecified Heap	1901	1:10560
AC	149m NE	Coal Level	1903	1:10560
Z	150m W	Burial Ground	1875	1:10560
V	152m NE	Unspecified Heap	1948	1:10560
K	153m NW	Unspecified Heap	1901	1:10560
AF	153m NW	Unspecified Heap	1903	1:10560
Q	153m NE	Unspecified Ground Workings	1915	1:10560
Q	154m NE	Unspecified Pit	1948	1:10560
Q	154m NE	Unspecified Pit	1922	1:10560
Q	154m NE	Unspecified Pit	1922	1:10560
W	156m SW	Unspecified Disused Pit	1922	1:10560
W	156m SW	Unspecified Disused Pit	1922	1:10560
K	160m NW	Unspecified Ground Workings	1903	1:10560
V	163m NE	Pond	1901	1:10560
AH	166m E	Unspecified Ground Workings	1901	1:10560
V	166m NE	Unspecified Old Quarry	1901	1:10560
V	166m NE	Unspecified Old Quarry	1948	1:10560
AH	167m E	Unspecified Ground Workings	1903	1:10560
AH	167m E	Unspecified Ground Workings	1921	1:10560
AI	168m E	Unspecified Pit	1922	1:10560
AI	168m E	Unspecified Pit	1922	1:10560
Y	168m W	Unspecified Heap	1922	1:10560
Y	168m W	Unspecified Heap	1922	1:10560
AJ	168m NW	Old Dock	1948	1:10560
AK	170m NE	Unspecified Ground Workings	1968	1:10560
AK	170m NE	Unspecified Ground Workings	1964	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AF	171m NW	Unspecified Ground Workings	1901	1:10560
AH	172m E	Unspecified Ground Workings	1938	1:10560
AH	172m E	Unspecified Ground Workings	1938	1:10560
AH	172m E	Unspecified Ground Workings	1968	1:10560
AH	172m E	Unspecified Ground Workings	1964	1:10560
AH	172m E	Unspecified Ground Workings	1948	1:10560
AH	174m E	Unspecified Ground Workings	1915	1:10560
V	174m NE	Unspecified Old Quarry	1922	1:10560
AL	176m N	Unspecified Ground Workings	1968	1:10560
AL	176m N	Unspecified Ground Workings	1964	1:10560
AH	177m E	Unspecified Ground Workings	1922	1:10560
AH	177m E	Unspecified Ground Workings	1922	1:10560
AL	184m N	Unspecified Ground Workings	1901	1:10560
W	184m SW	Pond	1875	1:10560
10	192m S	Disused Canal	1988	1:10000
AL	193m N	Unspecified Heaps	1948	1:10560
AL	195m N	Unspecified Heap	1903	1:10560
AE	199m E	Unspecified Heap	1968	1:10560
AE	199m E	Unspecified Heap	1964	1:10560
11	209m NE	Pond	1922	1:10560
AM	211m W	Unspecified Old Quarry	1922	1:10560
12	211m E	Unspecified Disused Pit	1901	1:10560
AM	213m W	Unspecified Heap	1948	1:10560
AM	220m W	Unspecified Ground Workings	1875	1:10560
AM	221m W	Unspecified Ground Workings	1948	1:10560
AM	226m W	Unspecified Pit	1901	1:10560
AF	230m NW	Unspecified Heap	1901	1:10560
AN	232m E	Unspecified Heap	1968	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AN	232m E	Unspecified Heap	1964	1:10560
AM	234m W	Unspecified Pit	1948	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

205

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining, ground workings and natural cavities map on **page 166**

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Coal Pit	1875	1:10560
M	9m NE	Unspecified Old Shafts	1901	1:10560
M	10m NE	Unspecified Old Shafts	1948	1:10560
M	12m NE	Unspecified Old Shafts	1901	1:10560
M	14m NE	Unspecified Old Shafts	1903	1:10560
A	28m NW	Unspecified Disused Shafts	1968	1:10560
A	28m NW	Unspecified Disused Shafts	1964	1:10560
A	29m NW	Air Shafts	1948	1:10560
A	34m NW	Air Shaft	1901	1:10560
A	41m NW	Air Shafts	1903	1:10560
A	50m NW	Air Shafts	1948	1:10560
A	50m NW	Air Shaft	1875	1:10560
A	51m NW	Unspecified Disused Shafts	1968	1:10560
A	51m NW	Unspecified Disused Shafts	1964	1:10560
O	51m NE	Coal Level	1901	1:10560
A	56m NW	Air Shaft	1901	1:10560
A	64m NW	Air Shafts	1903	1:10560
S	84m SW	Unspecified Disused Shaft	1988	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
S	84m SW	Unspecified Disused Shaft	1968	1:10560
S	84m SW	Unspecified Disused Shaft	1964	1:10560
Q	86m NE	Coal Level	1948	1:10560
S	87m S	Air Shaft	1875	1:10560
A	101m NW	Air Shaft	1875	1:10560
AB	102m W	Air Shaft	1875	1:10560
AB	112m W	Unspecified Old Shafts	1915	1:10560
AB	112m W	Unspecified Old Shafts	1915	1:10560
AC	116m NE	Coal and Ironstone Pit	1875	1:10560
W	118m SW	Coal Pit	1875	1:10560
A	120m NW	Air Shaft	1901	1:10560
Q	125m NE	Unspecified Disused Shaft	1988	1:10000
Q	125m NE	Unspecified Disused Shaft	1968	1:10560
Q	125m NE	Unspecified Disused Shaft	1964	1:10560
Q	127m NE	Air Shaft	1875	1:10560
A	128m NW	Air Shafts	1903	1:10560
Q	129m NE	Air Shaft	1901	1:10560
Q	132m NE	Air Shaft	1948	1:10560
Q	133m NE	Air Shaft	1903	1:10560
AC	149m NE	Coal Level	1903	1:10560
AG	160m W	Unspecified Old Shaft	1915	1:10560
AL	188m N	Air Shaft	1875	1:10560
AL	190m N	Unspecified Disused Shaft	1988	1:10000
AL	190m N	Unspecified Disused Shaft	1968	1:10560
AL	190m N	Unspecified Disused Shaft	1964	1:10560
Q	191m NE	Air Shaft	1875	1:10560
AL	193m N	Air Shaft	1948	1:10560
AL	197m N	Air Shaft	1901	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AL	207m N	Air Shafts	1903	1:10560
AI	240m E	Coal Pit	1875	1:10560
AO	241m SW	Coal Pit	1875	1:10560
AM	268m W	Old Coal Shaft	1915	1:10560
AQ	270m N	Old Coal Level	1948	1:10560
AV	277m NE	Ironstone Level	1875	1:10560
AX	282m NE	Unspecified Disused Shaft	1988	1:10000
AX	282m NE	Unspecified Disused Shaft	1968	1:10560
AX	282m NE	Unspecified Disused Shaft	1964	1:10560
AX	287m NE	Air Shaft	1901	1:10560
AX	291m NE	Air Shaft	1948	1:10560
AX	291m NE	Air Shaft	1903	1:10560
BD	324m S	Coal Pit	1875	1:10560
AR	333m E	Air Shafts	1875	1:10560
AW	334m SW	Old Air Shaft	1915	1:10560
AW	338m SW	Unspecified Disused Shaft	1968	1:10560
AW	338m SW	Unspecified Disused Shaft	1964	1:10560
AW	339m SW	Air Shaft	1875	1:10560
AQ	344m N	Disused Drift	1948	1:10560
BB	347m NE	Unspecified Disused Shaft	1968	1:10560
BB	347m NE	Unspecified Disused Shaft	1964	1:10560
BB	347m NE	Air Shaft	1901	1:10560
BG	349m W	Ironstone Level	1875	1:10560
BB	352m NE	Air Shaft	1875	1:10560
AQ	355m N	Coal Level	1901	1:10560
BB	356m NE	Old Air Shaft	1915	1:10560
AQ	361m N	Unspecified Old Shaft	1948	1:10560
AR	361m E	Air Shafts	1901	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AQ	364m N	Coal Level	1903	1:10560
AR	365m E	Unspecified Disused Shafts	1968	1:10560
AR	365m E	Unspecified Disused Shafts	1964	1:10560
AR	366m E	Air Shafts	1875	1:10560
AQ	368m N	Unspecified Old Shaft	1901	1:10560
AI	368m E	Air Shaft	1901	1:10560
AI	369m E	Unspecified Disused Shafts	1968	1:10560
AI	369m E	Unspecified Disused Shafts	1964	1:10560
AI	375m E	Air Shafts	1875	1:10560
AQ	378m N	Unspecified Old Shaft	1903	1:10560
BB	385m NE	Unspecified Old Shaft	1903	1:10560
BB	388m NE	Unspecified Old Shaft	1901	1:10560
BB	390m NE	Unspecified Old Shaft	1903	1:10560
AQ	395m N	Coal Level	1875	1:10560
AR	399m E	Unspecified Level	1915	1:10560
BJ	404m E	Air Shaft	1875	1:10560
17	408m W	Air Shaft	1875	1:10560
AI	409m E	Air Shafts	1875	1:10560
BI	409m W	Air Shaft	1875	1:10560
BQ	430m NE	Coal Pit	1948	1:10560
18	438m E	Air Shaft	1901	1:10560
BM	441m NE	Coal and Ironstone Pit	1875	1:10560
BS	441m E	Old Coal Level	1915	1:10560
BU	457m NE	Unspecified Old Level	1901	1:10560
CA	488m E	Coal Pit	1875	1:10560
CC	490m E	Ironstone Level	1875	1:10560
CH	514m SW	Old Coal Level	1915	1:10560
BV	541m NE	Unspecified Old Level	1901	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
CT	568m E	Air Shaft	1901	1:10560
CT	569m E	Unspecified Disused Shaft	1968	1:10560
CT	569m E	Unspecified Disused Shaft	1964	1:10560
BM	571m NE	Unspecified Shaft	1875	1:10560
BM	572m NE	Unspecified Old Shaft	1901	1:10560
CT	573m E	Air Shaft	1875	1:10560
BM	574m NE	Unspecified Old Shaft	1903	1:10560
CT	575m E	Old Air Shaft	1915	1:10560
BM	575m NE	Air Shaft	1948	1:10560
AS	583m NE	Air Shaft	1948	1:10560
CU	585m SW	Unspecified Disused Shaft	1979	1:10000
CS	611m E	Unspecified Disused Level	1988	1:10000
CS	611m E	Unspecified Disused Level	1968	1:10560
CS	611m E	Unspecified Disused Level	1964	1:10560
CS	627m E	Air Shaft	1875	1:10560
BL	645m E	Unspecified Disused Level	1968	1:10560
BL	645m E	Unspecified Disused Level	1964	1:10560
CW	646m W	Old Coal Shaft	1901	1:10560
DC	651m NE	Old Coal Level	1901	1:10560
DE	667m NE	Unspecified Disused Shaft	1988	1:10000
DF	667m SW	Old Air Shaft	1915	1:10560
DE	670m NE	Old Trial Shaft	1901	1:10560
DF	670m SW	Disused Air Shaft	1979	1:10000
DF	670m SW	Disused Air Shaft	1969	1:10560
DC	672m NE	Old Coal Level	1903	1:10560
DE	672m NE	Old Trial Shaft	1903	1:10560
DG	686m W	Old Ironstone Level	1901	1:10560
DG	691m W	Old Ironstone Level	1903	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
CW	694m W	Air Shaft	1875	1:10560
CW	696m W	Unspecified Disused Shaft	1969	1:10560
CW	696m W	Unspecified Disused Shaft	1964	1:10560
CW	699m W	Unspecified Disused Shaft	1988	1:10000
CW	699m W	Unspecified Disused Shaft	1979	1:10000
CW	701m W	Air Shaft	1901	1:10560
CW	702m W	Air Shaft	1915	1:10560
DR	705m NE	Unspecified Disused Level	1968	1:10560
DR	705m NE	Unspecified Disused Level	1964	1:10560
DC	706m NE	Old Coal Level	1903	1:10560
DS	707m SW	Old Coal Level	1915	1:10560
DR	711m NE	Old Coal Level	1948	1:10560
DR	711m NE	Old Coal Level	1903	1:10560
CL	720m NE	Old Coal Level	1948	1:10560
DR	731m NE	Old Coal Level	1901	1:10560
35	732m NE	Old Trial Shaft	1948	1:10560
DX	736m E	Unspecified Disused Level	1968	1:10560
DX	736m E	Unspecified Disused Level	1964	1:10560
CL	751m NE	Unspecified Disused Levels	1968	1:10560
CL	751m NE	Unspecified Disused Levels	1964	1:10560
DL	751m E	Old Coal Level	1915	1:10560
CL	752m NE	Old Coal Level	1903	1:10560
CL	762m NE	Unspecified Disused Levels	1968	1:10560
CL	762m NE	Unspecified Disused Levels	1964	1:10560
DX	770m E	Unspecified Disused Level	1988	1:10000
DX	775m E	Old Coal Level	1915	1:10560
DS	782m SW	Air Shaft	1875	1:10560
DL	796m E	Old Coal Drift	1915	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
EM	802m NE	Unspecified Disused Level	1901	1:10560
DX	807m E	Air Shaft	1875	1:10560
EI	812m W	Air Shaft	1915	1:10560
EI	813m W	Air Shaft	1875	1:10560
-	815m S	Unspecified Old Level	1901	1:10560
EI	818m W	Air Shaft	1901	1:10560
EP	820m NE	Old Ironstone Level	1901	1:10560
-	820m S	Unspecified Old Level	1915	1:10560
DL	827m E	Disused Drift	1968	1:10560
DL	827m E	Disused Drift	1964	1:10560
EP	827m NE	Old Ironstone Level	1903	1:10560
39	830m W	Coal Pit	1875	1:10560
EQ	838m NE	Coal Level	1875	1:10560
ER	838m NE	Old Coal Level	1901	1:10560
ER	839m NE	Unspecified Disused Level	1903	1:10560
ER	841m NE	Unspecified Disused Level	1948	1:10560
EF	844m E	Air Shaft	1875	1:10560
EP	854m NE	Unspecified Disused Level	1968	1:10560
EP	854m NE	Unspecified Disused Level	1964	1:10560
DL	855m E	Unspecified Disused Level	1988	1:10000
DL	855m E	Unspecified Disused Level	1968	1:10560
DL	855m E	Unspecified Disused Level	1964	1:10560
EP	860m NE	Old Ironstone Level	1948	1:10560
-	863m S	Old Trial Shaft	1964	1:10560
-	863m S	Disused Trial Shaft	1968	1:10560
-	865m S	Unspecified Disused Level	1988	1:10000
-	865m S	Trial Shaft	1915	1:10560
EF	868m E	Old Coal Drifts	1915	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	871m S	Trial Shaft	1875	1:10560
EB	883m SW	Disused Air Shaft	1988	1:10000
EB	883m SW	Disused Air Shaft	1979	1:10000
EB	891m SW	Air Shaft	1915	1:10560
DI	897m NE	Old Coal Level	1948	1:10560
EQ	916m NE	Old Ironstone Level	1901	1:10560
EQ	921m NE	Old Ironstone Levels	1903	1:10560
EF	922m E	Coal Shaft	1875	1:10560
EF	930m E	Air Shaft	1915	1:10560
EZ	937m NE	Old Ironstone Level	1948	1:10560
-	941m S	Unspecified Disused Level	1968	1:10560
-	941m S	Unspecified Disused Level	1964	1:10560
-	943m S	Coal Level	1915	1:10560
-	948m NE	Ironstone Level	1875	1:10560
-	975m SW	Old Coal Level	1915	1:10560
-	975m E	Old Coal Level	1915	1:10560
-	975m E	Old Coal Level	1915	1:10560
FH	997m NE	Old Coal Level	1901	1:10560
-	999m W	Coal Level	1915	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

7

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 166**

ID	Location	Name	Commodity	Class	Likelihood
K	On site	Not available	Iron Ore (Bedded)	B	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
15	345m N	Not available	Iron Ore (Bedded)	B	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
CG	504m W	Not available	Iron Ore (Bedded)	B	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
25	580m S	Not available	Iron Ore (Bedded)	B	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
27	618m NW	Not available	Iron Ore (Bedded)	B	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
36	787m NE	Not available	Ironstone (bedded)	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
40	834m SW	Not available	Iron Ore (Bedded)	B	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

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m**0**

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site**0**

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site**1**

Areas which could be affected by past, current or future coal mining.

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site**0**

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.



18.11 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.13 Clay mining

Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).