

Tai Tarian Ltd

HEOL CRWYS, CWMAVON

Desk Study Report

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1.0 INTRODUCTION

1.1 GENERAL

Tai Tarian Ltd are proposing to redevelop a site at Heol Crwys in Cwmavon for residential end-use.

Intégral Géotechnique (Wales) Limited have been appointed as the Geotechnical Engineers to undertake a geoenvironmental and geotechnical desk study of the site.

The objectives of the geoenvironmental and geotechnical appraisal are to:

- Assess the degree, nature and extent of possible contamination and its implications for ownership and site development;
- Identify any geotechnical constraints on development; and
- Provide recommendations for physical site investigation works.

This report presents the findings of the desk study and provides guidance on the scope of the geoenvironmental and geotechnical investigation.

The opinions and preliminary assessments presented are based on desk-based research and should be reviewed after intrusive investigation.

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1.2 PROPOSED DEVELOPMENT

Upon site clearance, the proposed development will comprise the construction of a number of single storey residential dwellings and associated infrastructure such as access roads and car parking areas. The development will also include private gardens and areas of landscaping.

1.3 SCOPE OF WORKS

The work instructed included a desk study of available information, together with an initial conceptual site model. The desk study comprised a review of:

- An Envirocheck Report obtained for the site
- Old Ordnance Survey maps covering the site, included within the Envirocheck Report
- A Radon GeoReport obtained from the British Geological Survey
- A CON29M Coal Mining Report obtained from The Coal Authority
- South Wales Coalfield Landslip Survey Report No. EG 80/4
- Geological maps of the area provided by the British Geological Survey
- Natural Resources Wales groundwater vulnerability map and aquifer database for the area

1.4 LIMITATIONS

This document is intended to be a working document for further development in discussion with all concerned including the Local Planning Authority, Natural Resources Wales, and the NHBC as appropriate.

“Contamination” is taken throughout the report to mean the “presence of one or more potentially harmful substances as a result of human activity”. The use of the term in this way does not imply that harm is being or might be caused by the contamination. It should be noted that “contamination” can have different meanings under different regulatory regimes, for example, planning, building control and Part IIA of the Environmental Protection Act 1990. Naturally elevated concentrations of potentially harmful substances may also be of concern and the significance of any that have been found is also evaluated in this report.

2.0 THE SITE

2.1 SITE LOCATION AND DESCRIPTION

The site is located off Heol Crwys in Cwmavon, at a National Grid Reference of 278280, 192530, see Figure 1.

The site is irregular in shape and occupies an area of approximately 1.58 hectares. The boundaries of the site are defined by Heol Crwys to the north, existing residential properties to the southwest, east, and southeast, Heol Jiwbili to the south and undeveloped land to the northeast. A site plan is presented in Figure 2.

The developed area of the site is situated on a relatively level plateau at approximate elevations of between 52m and 56m AOD. The southern and eastern edges of the site slope down towards Heol Jiwbili to the south and slope more steeply to the southeast, towards the development within Waun Wen, to a minimum elevation of 44m AOD.

The existing developed area occupies the northern area of the site with the single storey properties accessed off Heol Crwys. The properties each have small private garden areas which are secured with low picket fencing. A small electric substation is located adjacent to the properties within the northeast area.

The undeveloped slopes within the site are heavily vegetated along the southern edge and grass covered within the eastern area. The slope is retained by a brick wall along the southeast edge of the site at the end of the residential street known as Waun Wen. The location of the retaining wall is shown on Figure 2.

A site walkover has not been undertaken at this stage but will be undertaken as part of the intrusive works.

2.2 SITE OPERATIONS

The site is currently occupied by residential dwellings with associated gardens. The southern and eastern slopes of the site remain undeveloped.

2.3 SURROUNDING LAND USE

The surrounding areas are mainly developed for residential use. A public house is located beyond Heol Crwys to the north of the site.

2.4 AVAILABLE SITE INVESTIGATION DATA

There is no available site investigation data to our knowledge.

3.0 SITE HISTORY

The recent history of the site has been traced with the aid of an Envirocheck Report, a copy of which is included in Appendix A. The Envirocheck Report includes the following scaled historical maps:

Map Scale	Dates
1:2,500	1877-1878, 1899, 1918-1919, 1936-1937, 1965-1967, 1969-1978, 1973, 1975-1983, 1978-1983, 1984, 1993, 1994, 2000 (aerial photo)
1:10,560	1884, 1900, 1921, 1936, 1938-1952, 1949 (aerial photo)
1:10,000	1964, 1974, 1980, 1996, 1999, 2006, 2021

The earliest edition of the map dated 1877-1878 indicated the site to be located within an area known as Cwm-avan Works. A tramway crossed approximately through the centre of the site on a northwest to southeast orientation with other lines which crossed the southwest and northeast areas. The tramway connected into an engine house to the north of the site and with branch lines which connected into the various works buildings including a Copper Works to the northeast, a Chemical Works to the southwest and a Gas Works and Iron Works located further away to the south. Meadow Pit (Coal) was also served by the tramway and was located approximately 50m to the south. The site was mainly indicated to be covered with spoil, likely to be waste materials from the surrounding works buildings. The Copper Works buildings encroached across the northeast corner of the site and coke ovens encroached across the southeast area. A limekiln was indicated on the southern boundary of the site. Beyond the works buildings there were terraces of residential properties in the area and a Public House was located to the north of the site. A terrace of properties known as David's Row encroached across the north eastern boundary of the site.

The 1899 edition of the map indicated the tramway which crossed approximately through the centre of the site was no longer evident. Additional tramways were indicated within the southwest and northeast areas of the site. The majority of the site was still indicated to be covered with spoil materials. The Copper Works had expanded including additional buildings within the northeast area of the site and was now known as Rio Tinto Copper Works. The former Chemical Works buildings to the southwest had been extended and/or rebuilt to now be a Steel Works with the associated buildings encroaching into the site. The Iron Works to the south was no longer present and the Gas Works had expanded. Meadow Pit was indicated to be disused by this time. The limekiln on the southern boundary was now indicated to be old.

3.0 SITE HISTORY (CONTINUED)

The 1919 edition of the map indicated the configuration of the tramways within the site to have altered slightly but overall, the site remained relatively unchanged with spoil heaps still present across the site. The Steel Works buildings to the southwest had been reconfigured with some of the buildings potentially demolished.

The edition of the map dated 1936-1937 indicated single tramways crossed the northeast and southwest and with spoil heaps covering the site which still extended to the south and east. A building remained within the northeast area of the site. The Copper Works to the northeast of the site was now disused and the buildings had been demolished. The residential properties known as David's Row had also been demolished by this time, as had the former Steel Works buildings to the southwest.

The edition of the map dated 1965-1967 indicated all the tramways had now been removed from site and was now crossed by access tracks. All the former buildings associated with the works had been fully cleared from within the site and to the northeast and southwest. The spoil mounds present across the site and extending to the east and south were now indicated to be slag heaps. A surface water issue was indicated within the southeast corner of the site. Residential development had taken place in the vicinity of the site including development up to the southwest boundary of the site along Heol Cwm Mawr.

By the edition of the map dated 1969-1978 the site had been developed with residential properties known as Rofton Bungalows. There was evidence of earthworks within the site to reprofile the spoil heap to create a development plateau. A track in a cutting crossed approximately through the centre of the site on a northwest to southeast orientation. A new channel had been constructed for the surface water issue within the southeast area, with the feature culverted under Heol Jiwbili which now formed the southern boundary of the site. The northern boundary of the site was now formed by Heol Crwys with residential properties beyond. The areas beyond Heol Jiwbili to the south and the area to the east of the site remained undeveloped.

The 1973 edition of the map indicated the site to have remained unchanged. Further development had taken place to the south of the site beyond Heol Jiwbili with the construction of a residential estate known as Penllyn which included residential properties and a health centre. The area to the east of the site remained undeveloped.

3.0 SITE HISTORY (CONTINUED)

The edition of the map dated 1975-1983 indicated further earthworks within the north eastern area of the site. The earthworks were associated with the reclamation works of the area to the east with an embankment of materials pushed across the eastern and north eastern area of the site. The surface water channel was no longer present within the southeast area.

By the edition of the map dated 1978-1983 the reclaimed area to the east had been fully developed for residential use with a new development off Waun Wen. The site remained unchanged, and development continued off Waun Wen during the 1980's.

There have been no significant changes to the site or the immediate surrounding areas between the 1980's and the present day with the areas remaining developed for residential use.

4.0 SITE ENVIRONMENTAL SETTING

4.1 PHYSICAL SETTING

The site is located within a residential area of Cwmavon to the south of Heol Crwys.

The developed area of the site is situated on a relatively level plateau at approximate elevations of between 52m and 56m AOD. The southern and eastern edges of the site slope down towards Heol Jiwbili to the south and slope more steeply to the southeast towards the development within Waun Wen to a minimum elevation of 44m AOD.

4.2 GEOLOGY

The 1:50,000 and 1:10,560 scale (Sheet No. SS 79 SE) geological maps of the area indicate the site to be underlain by South Wales Middle Coal Measures Formation of the Carboniferous period. These rocks typically comprise grey, productive, and coal-bearing mudstones/siltstones, with seatearths and minor sandstones. The strata dips in the vicinity of the site are indicated to be in an approximately northerly direction.

The conjectural outcrop of the Lower Four Feet seam is indicated to cross the southwest area of the site on a west to east orientation. This seam would therefore underlie the site at shallow depths. The Generalized Vertical Section indicates a number of other coal seams to underlie the Lower Four Feet including thin unnamed seams and the Bute seam. These seams would also underlie the site at shallow depth, with the conjectural outcrop of the Bute seam also potentially beneath the southwest corner of the site.

Superficial deposits of Alluvium of the Quaternary period are indicated to overlie the solid strata. These deposits typically comprise soft to firm consolidated, compressible silty clay, containing layers of silt, sand, peat, and basal gravel. A stronger, desiccated surface zone may be present.

A variable thickness of made ground is anticipated above the superficial deposits across the site due to the historical presence of spoil heaps.

A summary of the anticipated geological succession is given below in Table 1.

4.2 GEOLOGY (CONTINUED)

Table 1: Summary of Anticipated Site Geology		
Geological unit	Horizon	Description
Recent	Made ground	Various materials but likely to contain waste products including colliery spoil and slag
Quaternary	Alluvium	Soft to firm consolidated, compressible silty clay, containing layers of silt, sand, peat, and basal gravel. A stronger, desiccated surface zone may be present.
Carboniferous	South Wales Middle Coal Measures Formation	Grey, productive and coal-bearing mudstones/siltstones, with seatearths and minor sandstones

The South Wales Coalfield Landslip Survey Report No. EG 80/4 has been reviewed as part of the desk study. There are no active landslips identified within an influencing distance of the site.

4.3 RADON

Information with regard to Radon Protective Measures is provided within the Envirocheck Report and the BGS Radon GeoReport as presented in Appendices A and B respectively. The reports state that the site is located within a mixed probability area, as 1% to 3% and 3% to 5% of properties are above action level, and that therefore, based on a worst-case scenario, basic radon protective measures would be necessary in the construction of new buildings within the site.

However, it should be noted that the majority of the site is located within the lower 1% to 3% probability area where no radon protective measures would be required. Only the southwest corner is located within the higher 3% to 5% probability. Once the layout proposals are finalised it would be possible to zone the site to confirm the requirements for radon protective measures.

4.4 MINING

The site is located with a coal mining reporting area, therefore a CON29M Coal Mining Report has been obtained for the site from the Coal Authority and a copy is included in Appendix B.

4.4 MINING (CONTINUED)

The Coal Authority states that *“The property is in a surface area that could be affected by underground mining in 5 seams of coal at 50m to 190m depth, and last worked in 1900.”*

However, the Coal Authority caution that the property *“is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered, particularly prior to any site works or future development activity, as ground movement could still be a risk.”*

As discussed previously, the conjectural outcrop of the Lower Four Feet seam is indicated to cross the southwest area of the site on a west to east orientation. Due to the northerly dip of the strata, this seam would be anticipated to underlie the site at shallow depth. The Coal Authority interactive map indicates shallow dips of between 16° and 30°. Based on these dips it is likely that the recorded workings at 50m depth are within the Lower Four Feet seam within the northeast area of the site. The additional recorded workings would be within the underlying seams such as the Bute, the Yard, the Four and Five Feet and the Gellideg. These recorded workings are at a depth that would not pose a shallow mining risk at the surface. However, the potential for unrecorded shallows workings within the Lower Four Feet seam and within the underlying Bute seam, which lies approximately 11m below on the Generalized Vertical Section and has potential to conjecturally outcrop beneath the southwest corner of the site, should not be ruled out at this stage. The next potentially workable seam beneath the Bute seam is the Yard seam which is indicated to lie approximately 45m below the Lower Four Feet seam. This seam could be at shallower depths within the southwest corner of the site.

The Coal Authority states that *“There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property”.*

The geology map indicates the presence of an adit located to the north of the site (just greater than 20m) approximately at the location of the Public House. This adit is orientated into the hillside in a northerly direction and would therefore not affect the site.

The Coal Authority cautions that *“Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal authority records”.*

The Coal Authority states that it *“is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining”.*

4.4 MINING (CONTINUED)

The Coal Authority states that *“The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31st October 1994”*.

“There is no current Stop Notice delaying the start of remedial works or repairs to the property”.

“The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991”.

In addition to the above, detailed in the CON29M Coal Mining Report, The Coal Authority Interactive Map indicates that the majority of the site is located within a high-risk development area. The approximate extent of this high-risk area is presented on Figure 3.

Due to the potential for unrecorded shallow workings beneath the site, the risk of ground subsidence arising from unrecorded shallow mineworkings is uncertain. As such, intrusive works, in the form of rotary probeholes, would be prudent in order to confirm the depth, thickness and condition of any shallow seams, particularly the Lower Four Feet and the Bute seams and possibly the underlying Yard seam. This would enable the extent of the high-risk area to be confirmed. A watching brief is also recommended during site works for the presence of any unrecorded mine entries.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK

The Envirocheck report indicates the nearest surface water feature to be located 147m to the northwest of the site. The OS Water Network Lines map indicates this to be an unnamed surface water feature. This feature is culverted below ground at this point and passes beneath the western area of the site. The River Afan is located 426m south of the site.

The Natural Resources Wales groundwater vulnerability map and aquifer database classifies the bedrock beneath the site as a Secondary ‘A’ Aquifer. Secondary ‘A’ Aquifers are 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.

The Natural Resources Wales groundwater vulnerability map and aquifer database also classifies the superficial deposits beneath the site as Secondary ‘A’ Aquifer.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

A perched water body is anticipated within the made ground due to the impermeable nature of the underlying alluvium deposits.

It is considered possible that the existing site drainage could act as a pathway for potential surface contaminants.

There are no effective discharge consents recorded within 250m of the site boundary. The nearest effective consent is recorded 398m to the southeast where a sewage discharge is received by the River Afan.

The Envirocheck Report states that there are no water abstractions recorded within 1km of the site boundary.

Tables 2 and 3 present a summary of the hydrological features and key hydrogeological nature of the site.

Table 2: Summary of Site Hydrology					
Feature	Distance from site	Flow	Classification	Abstraction	Discharge
Unnamed surface water feature	147m northwest	Southerly	Inland river	No	River Afan (via culvert)
Unnamed culverted feature	Beneath western area	Southerly	Inland river	No	River Afan
River Afan	426m south	South westerly	Inland river	No	Swansea Bay
Surface run-off	On site	Flows into site drainage	N/A	No	Not known
Site Drainage	On site	Not known	N/A	No	Not known

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

Table 3: Summary of Site Hydrogeology				
Geological Unit	Aquifer Classification	Aquifer Characteristics	Source Protection Zone	Groundwater Abstractions
Made ground	Not classified	Highly variable permeability and porosity. Perched water may be present with variable flow directions.	No	None
Alluvium	Secondary A Aquifer	Variable moderate permeability and porosity with intergranular flow possible. High clay content likely to restrict flow.	No	None
South Wales Middle Coal Measures Formation	Secondary A Aquifer	Variable moderate permeability coal-bearing mudstones/siltstones and sandstones.	No	None

The Groundwater Vulnerability map of the area indicates the secondary bedrock aquifer to have a high vulnerability. The pollutant speed is high with well-connected fractures.

The Natural Resources Wales Flood Risk map, as presented within the Envirocheck Report, indicates that the site is not at risk to extreme flooding from rivers or sea without defences.

The Natural Resources Wales Surface Water Flood Risk map, as presented within the Envirocheck Report, indicates that the site is not at a high-risk to surface water flooding (1 in 30-year flood extent).

The BGS Groundwater Flooding Susceptibility map, as presented within the Environment Report, indicates the site to have potential for groundwater flooding to occur at surface.

4.6 LANDFILL SITES

The Envirocheck Report indicates that there is one historical landfill site located within 250m of the site boundary. The disused tip off Heol Tabor is located 187m to the northwest of the site and no further information is supplied.

There are no BGS recorded, local authority recorded, or registered landfill sites and no licensed waste management facilities located within 250m of the site boundary.

4.6 LANDFILL SITES (CONTINUED)

There are records of potentially infilled land (non-water) on-site and within 250m of the site boundary. These areas are recorded across the northeast and southern areas of the site and extending to the northeast and south at the location of the former works buildings and colliery, and associated spoil heaps.

There is one area of potentially infilled land (water) recorded within 250m of the site boundary. The area is located 180m to the south of the site at the location of a former pond feature.

4.7 POTENTIAL CONTAMINATION

Previous Uses

The various activities in the vicinity of the site which may have resulted in ground or water resource contamination on this site are listed below in Tables 4 and 5. Reference to Department of the Environment Industry Profiles has been made and a summary of the potential contaminants can be found in the tables.

Table 4: Potential Contaminants		
Land Use: Tramways, spoil heaps and buildings associated with the adjacent works until 1970's		
Material/Process	Contamination/Hazard	Evidence
Imported made ground and spoil heaps within the site, construction of tramways and construction of buildings across the northeast and southwest areas of the site associated with the Copper Works, Chemical Works and Steel Works	Metals, semi metals, non-metals, PAH, petroleum hydrocarbons, VOC's/SVOC's, asbestos,	Historical maps
Use and maintenance of the tracks including possible localised spillages of oils/fuel	Petroleum hydrocarbons-fuels/oils	Historical maps

4.7 POTENTIAL CONTAMINATION (CONTINUED)

Table 4: Potential Contaminants (Continued)		
Land Use: Reprofiting works/earthworks since 1970's		
Material/Process	Contamination/Hazard	Evidence
Removal of buildings and tramways and imported made ground/earthworks to create a level development plateau which would have involved the reworking/levelling of on-site materials and possible use of imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Construction of buildings within the site by the 1970's causing further ground disturbance and possible use of imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Construction and use of electric substation within the northeast area of the site associated with the development	Polychlorinated Biphenyls (PCB's)	Maps and aerial photos
Asbestos Containing Material (ACM) within the building fabric	Asbestos Containing Material (ACM)	Anecdotal but representative of 1970's construction

Existing Uses

The site is currently developed for residential use. The existing uses would not add any additional contamination concerns.

Adjacent Site Uses

Table 5: Potential Contaminants: Adjacent Site Uses		
Potential Contamination Source	Boundary	Associated Contaminants and Hazards
Heol Crwys	Northern	No Potential Contaminants
Residential	South western and eastern	No Potential Contaminants
Undeveloped land	North eastern	No Potential Contaminants
Heol Jiwbili	Southern	No Potential Contaminants

4.8 OTHER ENVIRONMENTAL ISSUES

Environmentally sensitive land has not been identified within 250m of the site boundary.

The Envirocheck Report indicates that there have been no pollution incidents to controlled waters recorded on site but one recorded within 250m of the site boundary. A Category 2-Significant Incident was recorded 241m to the southeast involving heavy fuel oil.

There have been no substantiated pollution incidents registered on site or recorded within 250m of the site boundary. The nearest incident was recorded 478m to the south of the site where crude sewage caused a significant impact on water and land and a minor impact on air.

There have been no prosecutions relating to controlled waters or to authorised processes recorded on site or recorded within 1km of the site boundary.

There are two active contemporary trade directory entries recorded within 250m of the site boundary for a launderette and a refrigeration repair company.

The embankment along the southern boundary of the site is heavily vegetated. It is not known if any invasive plants are present and therefore it may be prudent to undertake a full vegetation survey prior to development.

5.0 PRELIMINARY CONCEPTUAL SITE MODEL

5.1 RISK ASSESSMENT FRAMEWORK

In order to be consistent with current UK government policies and legislation, it is necessary to identify, assess, estimate, evaluate, and take appropriate action to deal with land contamination, in accordance with the procedures specified in the Environment Agency guidance Land Contamination Risk Management (LCRM) published in October 2020. This replaces the now withdrawn 'Model Procedures for the Management of Land Contamination CLR-11' (Environment Agency 2004).

The risk assessment process is designed to provide a reasoned, structured and pragmatic mechanism for the identification of any potential human health and controlled waters risks associated with land contamination and where necessary to develop a robust remediation strategy to ensure protection of the sensitive receptors (human health of future residents, controlled waters, etc).

In accordance with LCRM, the term 'land contamination' is defined as:

- All land affected by contamination – land that might have contamination present which may, or may or may not, meet the statutory definition of contaminated land,
- Land determined as contaminated land under Part 2A of the Environmental Protection Act 1990.

LCRM provides a tiered approach to risk assessment, comprising a preliminary risk assessment (including the development of an initial conceptual site model), a generic quantitative risk assessment and a detailed quantitative risk assessment. For each tier of risk assessment, the following steps must be followed:

1. Identify the hazard - establish contaminant sources,
2. Assess the hazard – use a source-pathway-receptor linkage approach to determine if there is potential for unacceptable risk,
3. Estimate the risk – predict what degree of harm or pollution may result and how likely it is to occur, and
4. Evaluate the risk – decide whether a risk is unacceptable.

LCRM also provides definitions of the following terms:

- Hazard – a property or situation that in particular circumstances could lead to harm or pollution,

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

- Risk – a combination of the probability, or frequency of occurrence of a defined hazard and the magnitude of the consequences of the occurrence,
- Risk assessment – the formal process of identifying, assessing and evaluating the health and environmental risks that may be associated with a hazard,
- Risk management – the formal process to identify, assess and determine the risks, and to select and take action to mitigate them.

The three essential elements to any risk are defined by LCRM as follows:

- A contaminant, or pollutant, that is in, on, or under the land and that has the potential to cause harm, or pollution (Source)
- A route by which a receptor is, or could be affected by a contaminant (Pathway)
- A receptor, i.e. something that could be adversely affected by a contaminant, for example a person, controlled waters, an organism, an ecosystem, or Part 2A receptors such as buildings, crops or animals (Receptor).

In order for there to be a potential risk, all three of the above elements must be present. If there is a source of contamination and a receptor (for example a resident or site user), then there is only a potential risk if there is a pathway linking the two. Such an active pathway is known as a relevant pollutant linkage. It is possible for the same contaminant to be linked to a receptor via a number of pathways, and hence it is important that all relevant pollutant linkages, to both human health and controlled waters, are separately identified on a site in order that a comprehensive conceptual model can be formed and ultimately a robust remediation strategy designed.

Current practice during Generic Quantitative Risk Assessment of land affected by contamination is to use generic soil screening values based on the appropriate proposed end use. These usually comprise risk-based Soil Guideline values (SGVs) or Generic Assessment Criteria (GACs) derived by the Environment Agency's Contaminated Land Exposure Assessment Model (CLEA). The SGVs and the supporting technical guidance were developed in order to assist in the assessment of long-term risk to human health from the exposure to contaminated soils.

Revised Statutory Guidance, published in 2012, to support Part 2A of the Environmental Protection Act 1990, introduced a new four category system for classifying land under Part 2A. Category 1 includes land where the level of risk is clearly unacceptable and Category 4 includes land where the level of risk posed is considered to be acceptably low. Under Part 2A, land would be determined as contaminated if it falls within Categories 1 or 2.

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

The revised Part 2A Statutory Guidance was accompanied by an Impact Assessment that identified a role for new 'Category 4 Screening Levels' (C4SLs) that would provide a simple test for determining when land is suitable for use and definitely not contaminated land. A Policy Companion Document including the C4SLs was published in March 2014 (England) and May 2014 (Wales).

The C4SLs have been based on the CLEA methodology and derived using the CLEA model, with modified toxicological and exposure parameters. To date, C4SLs have been released for six substances (arsenic, cadmium, chromium (VI), lead, benzo(a)pyrene and benzene).

The C4SLs have been derived on the assumption that where they exist, they will be used as generic screening criteria within generic quantitative risk assessment.

Following publication of the C4SLs, Land Quality Management (LQM), in conjunction with the Chartered Institute for Environmental Health (CIEH) released Suitable 4 Use Levels (S4ULs) in January 2015.

The S4ULs have been derived in accordance with UK legislation, and using a modified version of the Environment Agency's CLEA software. As such, the S4ULs are based on the concept of minimal or tolerable risk as described in Human Health Toxicological Assessment of Contaminants in Soil (Science Report SR2, Environment Agency 2009a).

S4ULs have been derived for a wider number of substances.

In addition to the existing SGVs, C4SLs and S4ULs, Atkins ATRISK^{soil} also provide a set of Soil Screening Values. These are currently intended to be used in conjunction with SGVs, although they intend to update these values in line with the C4SLs in due course.

We have reviewed all sets of values and intend to use the most appropriate assessment criteria as Tier 1 screening values in the first instance. Where a published S4UL is available, and considered appropriate, this will be used in the first instance.

5.2 CONCEPTUAL MODEL FRAMEWORK

The preliminary stage of the risk assessment process is to develop and define a conceptual site model, based on the desk study and any existing site investigation data. This is used to establish any potential contaminant sources, identify existing and future receptors and assess if there are any potentially active pathways by which a potential risk may be present.

5.2 CONCEPTUAL MODEL FRAMEWORK (CONTINUED)

The preliminary conceptual site model will be developed and refined as site specific data is gathered, such as actual ground conditions and chemical data, resulting in a more robust conceptual understanding of the site.

5.3 CRITICAL SENSITIVE RECEPTOR – HUMAN HEALTH

The proposed redevelopment of the site is for a residential end use. Therefore, the critical sensitive receptor from a human health perspective is an on-site residential receptor with homegrown produce.

In accordance with S4UL/C4SL and CLEA guidance for a standard residential scenario, the critical sensitive receptor for a residential end use risk assessment is a female child, with exposure from 0 to 6 years.

The standard residential end-use conceptual model defined by S4UL/C4SL and CLEA is assumed to be suitable for the purposes of this assessment.

5.4 CRITICAL SENSITIVE RECEPTOR – CONTROLLED WATERS

Based on the proposed redevelopment of the site for a residential end use, and the findings of the desk study, the critical sensitive receptor from a controlled water perspective is groundwater within the Secondary 'A' Aquifer of the Alluvium and the underlying South Wales Middle Coal Measures Formation.

By considering groundwater as the critical sensitive receptor for controlled waters, the groundwater/hydrogeological risk assessment will also be protective of any nearby surface water features.

5.5 POTENTIAL CONTAMINANT SOURCES

As identified in the desk study, the site has an industrial history with spoil mounds deposited across the site, tramways constructed, associated with the adjacent works and the colliery, and with works buildings encroaching across the site. The site was subsequently reclaimed and subject to earthworks in order to create a development plateau for the residential dwellings which have occupied the site from the 1970's up until the present day.

The potential types of contaminants of concern are listed below:

5.5 POTENTIAL CONTAMINANT SOURCES (CONTINUED)

- Metals, semi-metals, and inorganics within the shallow made ground
- Polyaromatic hydrocarbons (PAH) within the shallow made ground
- Petroleum Hydrocarbons (VPH/EPH) within the shallow made ground
- Volatile and Semi Volatile Organic Compounds (VOC's/SVOC's)
- Polychlorinated Biphenyls (PCBs) within the shallow made ground in the vicinity of the electrical substation
- Asbestos within the shallow made ground and within the building fabric.

5.6 POTENTIAL EXPOSURE PATHWAYS

Potential exposure pathways for the critical receptors (both human health and controlled waters) are listed below:

- Dermal contact with soil and/or soil derived dust
- Ingestion of soil and/or soil attached to home-grown produce
- Ingestion of home-grown produce
- Inhalation of soil derived dust
- Inhalation of vapours – indoor and outdoor air
- Leaching of contaminants from made ground to groundwater
- Transportation of contaminants within groundwater.

In addition, the following exposure pathways have also been considered:

- Ground gas generation and migration
- Building materials durability.

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL

A preliminary conceptual exposure model has been developed for the site. This is based on the findings of the desk study and historical review and includes all potential sources, pathways and receptors that may be present on site. Those that have been identified as being potentially active require further investigation in the form of sampling and testing of soils and groundwater, followed by appropriate risk assessment.

The preliminary conceptual exposure model will be reviewed and refined following the completion of the site works and laboratory testing.

The preliminary conceptual exposure model is presented below in Table 6.

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL (CONTINUED)

Table 6: Preliminary Conceptual Exposure Model				
Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Made Ground of unknown origin and historical land uses	Metals, semi-metals, non-metals, PAH, TPH, VOC's/SVOC's, asbestos	Resident – human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil and/or soil attached to home-grown produce	✓
			Ingestion of home-grown produce	✓
			Inhalation of dust	✓
			Inhalation of vapours – indoor/outdoor	✓
	Metals, semi-metals, inorganics, PAH TPH, VOC's/SVOC's	Groundwater quality	Leaching from made ground	✓
	Metals, semi-metals, inorganics, PAH TPH, VOC's/SVOC's	Surface water quality	Transportation within groundwater	✓
Hot spots/areas in the vicinity of the electrical substation	Polychlorinated Biphenyls (PCBs)	Resident – human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil and/or soil attached to home-grown produce	✓
			Ingestion of home-grown produce	✓
			Inhalation of dust	✓
			Inhalation of vapours – indoor/outdoor	✓
	Polychlorinated Biphenyls (PCBs)	Groundwater quality	Leaching from made ground	✓
	Polychlorinated Biphenyls (PCBs)	Surface water quality	Transportation within groundwater	✓
Asbestos containing materials within the building fabric	Asbestos Containing Material (ACM)	Resident – human health	Inhalation of dust/fibres	✓
Made Ground of unknown origin and natural ground	pH and water-soluble sulphate	Building Materials Durability	Direct contact	✓

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL (CONTINUED)

Table 6: Preliminary Conceptual Exposure Model (Continued)				
Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Ground Gas – organic, gas producing materials present within site or adjacent to the site	Methane, carbon dioxide	Human health	Accumulation of gases in confined spaces, and/or migration off site, leading to asphyxiation, or risk of explosion	✓ Possible on and off-site sources

6.0 ANTICIPATED GROUND CONDITIONS

Based on the geological map data, historical records and available site investigation data, the following general succession of superficial deposits and underlying solid geology beneath the site is anticipated:

Recent

(Made Ground) Variable thickness of made ground which is likely to contain colliery spoil, slag and waste materials from the former works and colliery

Quaternary

(Alluvium) Soft to firm consolidated, compressible silty clay, containing layers of silt, sand, peat, and basal gravel. A stronger, desiccated surface zone may be present

Carboniferous

(South Wales Middle Coal Measures Formation) Grey, productive and coal-bearing mudstones/siltstones, with seatearths and minor sandstones

The made ground is likely to be variable in thickness and highly variable in nature. Due to the historical spoil heaps and regrading to form a development plateau, made ground would be anticipated across the site.

The underlying alluvium deposits are likely to comprise mainly cohesive materials near the surface and becoming granular with depth. The thickness of these deposits is not known.

It is unlikely that the bedrock would be encountered within shallow excavations.

Localised seepages of perched groundwater could be encountered in the shallow made ground. Groundwater would be at greater depth within the granular superficial deposits and the bedrock.

7.0 SITE ASSESSMENT

7.1 ENVIRONMENTAL RISK ASSESSMENT

This assessment takes due regard of Contaminated Land Guidance issued by DEFRA and RICS. The methods used follow a risk-based approach with the potential environmental risk assessed qualitatively using the 'source-pathway-receptor' pollutant linkage concept set out in the Environment Protection Act 1990.

Although the risk presented in the following tables and above is descriptive, it is correlated to a numerical chance of occurrence. Therefore, the range and percentage chance of occurrence is given in order that the reader may assess the datum for the risk level. Although the percentage chance is quoted, this is still a subjective evaluation and is not prepared by probabilistic determination. Therefore, the chance of occurrence is a value judgement and not a numerical calculation. The evaluation is a simple qualitative risk assessment, which cannot make a judgement on the probability of occurrence or level of contamination. The latter two aspects require site specific information.

Reference to risk classifications is made according to the following definitions.

Low Risk	It is unlikely that the issue will arise as a liability/cost.
Medium Risk	It is possible that the issue could arise as a liability/cost. Further work is needed to clarify the risk and consequences.
High Risk	It is likely that the issue will arise as a liability/cost.

In consideration of the information gathered and presented in this report the following risk appraisal is considered appropriate.

Table 7: Environmental Risk Assessment		
Issue	Risk Category	Comments
<i>Site sensitivity</i>		
Sensitivity of site location	Low	Site is not within a 'groundwater source protection zone' a 'nitrate vulnerable zone', or an 'area of outstanding natural beauty'.
Environmental sensitivity of adjacent land uses	Low	Site situated in a mainly developed residential area

7.1 ENVIRONMENTAL RISK ASSESSMENT (CONTINUED)

Table 7: Environmental Risk Assessment (Continued)		
Issue	Risk Category	Comments
Contamination potential		
Potential for significant on-site contamination	Medium	- Industrial past with spoil mounds within the site and former adjacent works buildings - Potential for hot spots/areas within the variable made ground - Potential for contamination associated with building fabric (asbestos) - Potential for localised contamination associated with the electrical substation
Potential for contaminants migrating off from the site	Low/medium	
Potential for contaminants migrating onto the site	Low/medium	
Potential for other environmental issues to give rise to liabilities	Low	
Environmental Consequences		
Risk of pollution of controlled waters	Medium	The made ground encountered beneath the site is anticipated to be variable in thickness and composition. Hot spots/areas should be anticipated
Risk of damage to future property	Medium	
Risk of harm to human health	Medium	
Business Consequences		
Risk of liability for owner	Low/medium	Industrial past with made ground deposited across the site has potential for hot spots/areas to be present
Likelihood of designation as Contaminated Land under EPA 1990	Low/medium	
Risk of site value and/or saleability being affected	Low/medium	
Overall Risk	Medium	

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS

A summary of commonly occurring geotechnical hazards is given in Table 8, together with an assessment of whether the site may be affected by each of the stated hazards. This information would be required prior to any future construction works.

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

Table 8: Summary of Potential Geotechnical Hazards				
Issue (excluding contamination issues)	Hazard Status			Engineering considerations
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Shrinkable clays		✓		Special requirements for foundation and floor design
Filled and made ground	✓			Would require assessment followed by potential removal, encapsulation, or remediation
Highly compressible and low bearing capacity soils including peat and soft clay		✓		Allowances should be made for the removal and replacement of soft spots/areas
Silt rich soils susceptible to rapid loss of strength in wet conditions		✓		Care should be taken to protect the formations from wet weather and site traffic
Adverse ground chemistry (including expansive slags, weathering of sulphides to sulphates)	✓			Allowances should be made for appropriate testing such as slag expansion tests and combustibility testing reflecting the nature of the material encountered
Combustibility potential	✓			
Solution features			✓	
Evaporite dissolution features and subsidence			✓	
Ground subject to peri-glacial valley cambering with gulls present			✓	
Sudden lateral changes in ground conditions		✓		The thickness of the made ground is unknown and therefore variable foundation depths should be anticipated
Existing sub structures (e.g. foundations and pits)	✓			Buildings present on site will have foundations which will need breaking out and removing. Deeper foundations may be required if these works cause significant disturbance
Ground subject to vibration			✓	

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

Table 8: Summary of Potential Geotechnical Hazards (Continued)				
Issue (excluding contamination issues)	Hazard Status			Engineering considerations
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Underground mining (shallow)		✓		Potential for unrecorded shallow workings across the site. Allowances should be made for additional intrusive investigation to establish the extent of the high-risk area and allowances made for additional reinforcement capable of spanning any small voids
Mine entries (shafts and adits, bell pits)		✓		A watching brief is recommended in case unrecorded mine entries are encountered. Allowances should be made for further investigation works and exclusion zones within the development layout if any features are found or suspected
Ground subject to or at risk of coastal or river erosion			✓	
Ground subject to, or at risk from landslips or slope stability issues		✓		Care should be taken to protect the existing embankment which forms the southern and eastern boundaries and to not add any additional load to these slopes. No active landslips
High water table (including waterlogged ground)			✓	
Rising groundwater table due to diminishing abstraction in urban areas or cessation of deep mining			✓	
Culverted water courses	✓			Allowances should be made to determine the location/route of the culvert and care taken during the future construction works to not add any additional pressure or loading to the culvert

8.0 SITE INVESTIGATION PROPOSALS

Prior to redevelopment of the site, a comprehensive intrusive site investigation would be required, over the entire site, in order to facilitate a detailed technical and financial appraisal. This would enable the foundation and hardstanding design for any proposed development to be developed using specific data on the ground conditions and enable more accurate costings to be made.

Investigation works should give consideration to the following:

- Foundation design
- Excavation stability design
- Remediation requirements
- Groundwater control

In particular, the principal geoenvironmental and geotechnical issues to be addressed are:

- Foundation strata - level, strength, compressibility, and chemical characteristics
- Presence or absence of shrinkable clays
- Presence of shallow unrecorded workings and mine entries
- The extent of any ground contamination, including potential asbestos in the ground
- The potential for ground gas to be present beneath the site.

Investigation techniques to be adopted should include:

- Windowless sampling and/or trial pits could be used to examine the shallow ground conditions
- Rotary probeholes to examine the deeper ground conditions including the depth, thickness, and condition of any underlying coal seams
- Laboratory chemical testing to determine soil chemistry to include a range of organic and inorganic contaminants, and petroleum hydrocarbons, VOC's and SVOC's. Testing for PCB's would only be required if works were undertaken in close proximity to the electrical substation
- Laboratory geotechnical testing to determine soil plasticity
- Gas monitoring to assess risk of possible land gases due to the likely presence of potentially thick made ground and also due to potential off-site sources.

Further works in the form of deeper shell and auger boreholes may become required if competent ground is not encountered at shallow depths.

APPENDIX A

ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

292811731_1_1

Customer Reference:

14023/LP

National Grid Reference:

278280, 192530

Slice:

A

Site Area (Ha):

1.58

Search Buffer (m):

1000

Site Details:

Heol Crwys

Cwmavon

Port Talbot

SA12 9PA

Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	30
Hazardous Substances	-
Geological	34
Industrial Land Use	49
Sensitive Land Use	56
Data Currency	58
Data Suppliers	64
Useful Contacts	65

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			13	10
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7		Yes		
Pollution Incidents to Controlled Waters	pg 8		1	26	14
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 14			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 15			1	1
Water Abstractions	pg 15				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 15	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 16	1	10	36	72

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 30				1
Historical Landfill Sites	pg 30		1	1	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 30				2
Local Authority Landfill Coverage	pg 31	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 31	2	3	3	10
Potentially Infilled Land (Water)	pg 32		1		5
Registered Landfill Sites	pg 32			1	1
Registered Waste Transfer Sites	pg 33				1
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 34	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 34	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 43		2	3	16
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 46	Yes	n/a	n/a	n/a
Mining Instability	pg 47	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 47		Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 47		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 47	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 47	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 47	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 48	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 48	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 48	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 49		2	3	25
Fuel Station Entries	pg 51		1		
Points of Interest - Commercial Services	pg 51			1	9
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 52		1	1	2
Points of Interest - Public Infrastructure	pg 53			8	8
Points of Interest - Recreational and Environmental	pg 54		3		8
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 56				22
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks	pg 57			1	1
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (NE)	0	1	278284 192533
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	176	1	278550 192700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	182	1	278284 192800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	219	1	278600 192700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	246	1	278600 192750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	249	1	277900 192450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	272	1	278250 192850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	287	1	277900 192350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	294	1	277850 192500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	345	1	278750 192500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	376	1	277800 192350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	394	1	277750 192533
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	439	1	278400 192050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	443	1	278800 192800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	444	1	277700 192500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	448	1	278700 192200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	450	1	278650 192150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	455	1	277700 192400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	481	1	278300 192000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	484	1	278750 192200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	491	1	278900 192600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	494	1	277650 192500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Barratt (South Wales) Ltd Property Type: Undefined Or Other Location: Outfall 4, Land At The Waun, Cwmafan Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0149204 Permit Version: 2 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 23rd October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A14SW (E)	329	2	278700 192400
1	Discharge Consents Operator: Barratt (South Wales) Ltd Property Type: Undefined Or Other Location: Outfall 4, Land At The Waun, Cwmafan Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0149204 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 1st November 1989 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A14SW (E)	329	2	278700 192400
2	Discharge Consents Operator: Barratt (South Wales) Ltd Property Type: Undefined Or Other Location: Cwmafan Land At The Waun Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0149203 Permit Version: 2 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 23rd October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A14NW (E)	391	2	278800 192600
3	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cwmafan Rfc Cso, Cwmavon Rfc, Cwmavon, Port Talbot, Sa12 9df Authority: Natural Resources Wales Catchment Area: AFAN - CONFLUENCE WITH PELENNIA TO TIDAL LIMIT Reference: Bw0200301 Permit Version: 3 Effective Date: 29th August 2019 Issued Date: 29th August 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Alyn Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	398	2	278476 192115

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Barratt (South Wales) Ltd Property Type: Undefined Or Other Location: Cwmafan Land At The Waun Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0149203 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 1st November 1989 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A14SW (E)	420	2	278800 192400
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Undefined Or Other Location: Ebbw Vale Row Swo Cwmafan Port Talb, Cwmafan Port Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bm0003203 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A8NE (S)	427	2	278340 192070
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Rolling Mill P. H. (Rear Of) S Cwma, Cwmafan P Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bm0003205 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A14NW (E)	477	2	278880 192650
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Pelly Street Swo Cwmafan Port Talbo, Cwmafan Port Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: BM0003204 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 11th March 2003 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A14SW (E)	481	2	278850 192360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 101 The Waun 200m U/S Footbridge, Adj 48 Gwaun Afan, Cwmavon, Port Talbot, Sa12 9ej Authority: Natural Resources Wales Catchment Area: AFAN - CONFLUENCE WITH PELENNIA TO TIDAL LIMIT Reference: Bm0003204 Permit Version: 3 Effective Date: 11th October 2019 Issued Date: 11th October 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afon Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A14SW (E)	494	2	278873 192383
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 101 The Waun 200m U/S Footbridge, The Waun, 200m U/S Footbridge Pelly Street, Cwmafan Authority: Natural Resources Wales Catchment Area: AFAN - CONFLUENCE WITH PELENNIA TO TIDAL LIMIT Reference: Bm0003204 Permit Version: 2 Effective Date: 12th March 2003 Issued Date: 11th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A14SW (E)	494	2	278873 192383
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 101 The Waun 200m U/S Footbridge, The Waun, 200m U/S Footbridge Pelly Street, Cwmafan Authority: Natural Resources Wales Catchment Area: AFAN - CONFLUENCE WITH PELENNIA TO TIDAL LIMIT Reference: Bm0003204 Permit Version: 2 Effective Date: 12th March 2003 Issued Date: 11th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A14SW (E)	494	2	278873 192383
8	Discharge Consents Operator: Barratt (South Wales) Ltd Property Type: Undefined Or Other Location: Cwmafan Land At The Waun, Outfall 1 Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0149201 Permit Version: 2 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 23rd October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A14SW (E)	493	2	278900 192500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Barratt (South Wales) Ltd Property Type: Undefined Or Other Location: Cwmafan Land At The Waun, Outfall 1 Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0149201 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 1st November 1989 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A14SW (E)	493	2	278900 192500
9	Discharge Consents Operator: Barratt (South Wales) Ltd Property Type: Undefined Or Other Location: Outfall 2, Land At The Waun, Cwmafan Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0149202 Permit Version: 2 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 23rd October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A14SW (E)	514	2	278900 192400
9	Discharge Consents Operator: Barratt (South Wales) Ltd Property Type: Undefined Or Other Location: Outfall 2, Land At The Waun, Cwmafan Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0149202 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 1st November 1989 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A14SW (E)	514	2	278900 192400
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo Ynysygwas Bridge Approx Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bw0202401 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A8SW (S)	683	2	278000 191800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: London Close Swo Cwmafan Port Talbot, Cwmafan Port Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bm0003202 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	726	2	277920 191780
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Britannia P. H. Swo Cwmafan Port Ta, Cwmafan Port Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: BM0003201 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 11th March 2003 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	740	2	277820 191810
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Britannia Inn Cso, Cwmafan, Opp Britannia Inn, London Row, Cwmafan, Port Talbot, Sa12 9ah Authority: Natural Resources Wales Catchment Area: AFAN - CONFLUENCE WITH PELENNIA TO TIDAL LIMIT Reference: Bm0003201 Permit Version: 3 Effective Date: 29th August 2019 Issued Date: 29th August 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afon Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	754	2	277798 191806
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso No 102 100m D/S Footbridge, Britannia Inn, Cwmafan Authority: Natural Resources Wales Catchment Area: AFAN - CONFLUENCE WITH PELENNIA TO TIDAL LIMIT Reference: Bm0003201 Permit Version: 2 Effective Date: 12th March 2003 Issued Date: 11th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	754	2	277798 191806

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso No 102 100m D/S Footbridge, Britannia Inn, Cwmafan Authority: Natural Resources Wales Catchment Area: AFAN - CONFLUENCE WITH PELENNIA TO TIDAL LIMIT Reference: Bm0003201 Permit Version: 2 Effective Date: 12th March 2003 Issued Date: 11th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	754	2	277798 191806
12	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo.Br'Nnia Inn Cwmafan Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bw0203001 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	758	2	277800 191800
13	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cwm Afan Rfc. Sw0 3 Authority: Natural Resources Wales Catchment Area: River Afan Reference: BW0200301 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 29th January 2003 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A3NE (S)	985	2	278490 191520
14	Local Authority Pollution Prevention and Controls Name: Western Logs Limited Location: Forest Products Centre, Cwmafan, PORT TALBOT, West Glamorgan, SA12 9AB Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/13 Dated: 28th September 1994 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorisation has varied Positional Accuracy: Automatically positioned to the address	A9NW (SE)	593	3	278677 191995
15	Local Authority Pollution Prevention and Controls Name: Davies Skips Limited Location: 1 Brunel Industrial Estate, Cwmafan, Port Talbot, Sa12 9db Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/126 Dated: 10th December 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Permitted Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	764	3	277764 191815
	Nearest Surface Water Feature	A13NW (NW)	147	-	278201 192690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: 20 Metres Down Stream Of, Ynysafan Bridge Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Neglect Incident Date: 10th January 1991 Incident Reference: 2655 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	241	4	278600 192400
17	Pollution Incidents to Controlled Waters Property Type: Waste Handling Facilities Location: Culvert Chute, Below Cwmafan Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Inadequate Design/Capacity Incident Date: 27th October 1991 Incident Reference: 1595 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	293	4	278300 192200
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Porset Brook, Gwaun Afan Estate Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Alkali Note: Blocked Sewer Incident Date: 21st March 1996 Incident Reference: 27793 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	327	4	278700 192405
18	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Gwaun Afan Estate, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Alkali Note: Blocked Sewer Incident Date: 21st March 1996 Incident Reference: 27793 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	329	4	278700 192400
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Blocked Sewer Incident Date: 6th June 1996 Incident Reference: 28644 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	331	4	278705 192405
18	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: New Barratt Houses, 400 Yards, Up Stream Of Ynysafan Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Inadequate Design/Capacity Incident Date: 20th November 1994 Incident Reference: 21790 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	331	4	278700 192395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Blocked Sewer Incident Date: 24th June 1996 Incident Reference: 28926 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	333	4	278705 192400
18	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: All Saints Place Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Blocked Sewer Incident Date: 22nd March 1995 Incident Reference: 23325 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	336	4	278705 192395
19	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Cwmafon, Rugby Fields Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Blocked Sewer Incident Date: 11th August 1991 Incident Reference: 1353 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	327	4	278500 192200
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: 20 Metres Down Stream Of, Ynysafan Bridge Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 3rd January 1991 Incident Reference: 2647 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	381	4	278700 192300
21	Pollution Incidents to Controlled Waters Property Type: Other Location: End Of Ebbw, Vale Row, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Neglect Incident Date: 2nd September 1994 Incident Reference: 21130 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	385	4	278300 192100
21	Pollution Incidents to Controlled Waters Property Type: Other Location: End Of Ebbw, Vale Row On, John Edwards Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Neglect Incident Date: 2nd September 1994 Incident Reference: 21130 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	390	4	278300 192095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Pollution Incidents to Controlled Waters Property Type: Waste Handling Facilities Location: Cwmafan Jet, Wash Garage Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Inadequate Design/Capacity Incident Date: 5th December 1991 Incident Reference: 1659 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	392	4	278305 192095
22	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Northern End, Of Cwmafan Rfc Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 18th May 1991 Incident Reference: 3812 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	398	4	278400 192100
23	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Waunafan, Barretts, Site Cwmafan Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Blocked Sewer Incident Date: 29th April 1992 Incident Reference: 4441 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	420	4	278800 192400
23	Pollution Incidents to Controlled Waters Property Type: Other Location: Tymian Street, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Deliberate Act Incident Date: 14th June 1992 Incident Reference: 4798 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	422	4	278800 192395
24	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Treated Water Distribution System Location: Bridge By, Civic Centre Authority: Environment Agency, Welsh Region Pollutant: Contaminated Groundwater Note: Accidental Spillage/Leakage Incident Date: 14th June 1995 Incident Reference: 24554 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	463	4	278200 192000
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 23rd September 1994 Incident Reference: 21185 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	513	4	278200 191950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Opposite The, Waun Club Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 27th March 1996 Incident Reference: 27701 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	464	4	278800 192300
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Gwaun Afan, Behind Gaerwen Arms Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Blocked Sewer Incident Date: 2nd July 1996 Incident Reference: 29466 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	467	4	278800 192295
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Opposite The Waun Club, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 27th March 1996 Incident Reference: 27701 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	469	4	278805 192300
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Opposite The Watertonie Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 27th March 1996 Incident Reference: 27701 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	471	4	278805 192295
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Ynysygwas Bridge Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Neglect; River Afan Incident Date: 16th November 1998 Incident Reference: 37164 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	467	4	278100 192000
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Gwaun Afan Cso, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Blocked Sewer Incident Date: 26th September 1996 Incident Reference: 30083 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	472	4	278840 192360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Crude Sewage Overflow Near Footbridge At, Rear Of Barrat Housing Estate, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Afan; Overflow Incident Date: 5th December 1997 Incident Reference: 34342 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	474	4	278840 192355
28	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Treated Water Distribution System Location: PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Accidental Spillage/Leakage Incident Date: 12th June 1995 Incident Reference: 24513 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	481	4	278300 192000
28	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Treated Water Distribution System Location: Corlannau Weir Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 12th June 1995 Incident Reference: 24513 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	485	4	278300 191995
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Alongside Rafan At Ynys Y Gwas, Cwm-Yr-Onnen, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Inadequate Design/Capacity Incident Date: 7th March 1996 Incident Reference: 27698 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	487	4	278305 191995
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 23rd September 1994 Incident Reference: 21185 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	518	4	278200 191945
29	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Other Location: Ynys Y Gwas Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Poor Operational Practise Incident Date: 18th February 1991 Incident Reference: 2649 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	563	4	278200 191900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Ynysygwas, Cwmafan, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 22nd February 1996 Incident Reference: 27418 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	568	4	278205 191895
29	Pollution Incidents to Controlled Waters Property Type: Process Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Poor Operational Practise Incident Date: 16th March 1995 Incident Reference: 23258 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	568	4	278200 191895
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: A4107 Top Road, Opposite Sawmills Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Unnamed Ditch Near 'Western Log Saw Mills'; Run-Off Incident Date: 3rd February 1998 Incident Reference: 34731 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	521	4	278700 192100
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Up Stream Of From Scots, Contractors Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 27th August 1991 Incident Reference: 1413 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	534	4	278900 192800
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Hope Road Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Poor Management Control Incident Date: 17th December 1996 Incident Reference: 30745 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	697	4	278400 191800
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Gwaun Afan Authority: Environment Agency, Welsh Region Pollutant: Sewage Debris/Litter Note: River Afan; Overflow Incident Date: 19th September 1997 Incident Reference: 33620 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	742	4	277825 191805

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Gwaun Afan Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Afan; Overflow Incident Date: 19th September 1997 Incident Reference: 33620 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	744	4	277820 191805
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Britannia Inn, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Afan; Overflow Incident Date: 6th May 1998 Incident Reference: 35535 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	758	4	277800 191800
34	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Below Britannia Inn, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 15th February 1997 Incident Reference: 31393 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	812	4	277700 191800
34	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Pipe Below Britannia Inn Footbridge, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 15th February 1997 Incident Reference: 31393 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	813	4	277705 191795
34	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Crude Sewage Overflow, Below Britannia Inn Bridge, CWMAFAN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 15th February 1997 Incident Reference: 31393 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	816	4	277700 191795
	River Quality Name: Afan GQA Grade: River Quality A Reach: M4 Motorway - Conf. Pelena Estimated Distance (km): 5.6 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000	A14SW (SE)	354	4	278659 192293

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 16th March 2004 Incident Reference: 223386 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A8NW (S)	478	2	278179 191984
36	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 25th October 2017 Incident Reference: 1705567 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials: Other Specific Waste Material	A9NW (SE)	740	2	278929 192017
	Water Abstractions Operator: Ms Powell & Mr Spackman Licence Number: 21/58/61/0043 Permit Version: 1 Location: Unnamed Spring Authority: Environment Agency, Welsh Region Abstraction: Food And Drink: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th November 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NE (SW)	1155	4	277170 191880
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (NE)	0	2	278284 192533
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (NE)	0	2	278284 192533
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (NE)	0	2	278284 192533
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 619.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (W)	0	5	278228 192524
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	147	5	278201 192690
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	147	5	278201 192690
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 539.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A13SW (SW)	158	5	278067 192339
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	161	5	278197 192703
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	161	5	278197 192703
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	171	5	278188 192710
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 645.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (E)	183	5	278581 192652
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 243.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A13SW (W)	204	5	277941 192480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (W)	204	5	277940 192487
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 202.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	222	5	278086 192716
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	254	5	278140 192779
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	255	5	277922 192625
50	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	268	5	278145 192797
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	272	5	278148 192803
52	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	295	5	277905 192674
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	295	5	277905 192674
54	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	310	5	277900 192691

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (NW)	327	5	277900 192718
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	329	5	277876 192691
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SE (NE)	343	5	278517 192938
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A12NE (W)	347	5	277861 192702
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 221.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A14SW (SE)	359	5	278682 192313
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A14SW (SE)	371	5	278709 192331
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	373	5	278713 192333
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 323.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A14SW (SE)	373	5	278713 192333
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	393	5	278154 192069

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 273.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A8NE (S)	402	5	278413 192096
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A8NE (S)	406	5	278300 192078
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A8NE (S)	412	5	278302 192072
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NE (S)	418	5	278346 192079
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A12NE (W)	420	5	277741 192618
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 414.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SE (NE)	424	5	278573 193004
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A8NE (S)	426	5	278352 192070
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NE (SE)	430	5	278610 192146
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SW (NE)	437	5	278719 192906

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 265.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A8NE (S)	439	5	278321 192051
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	464	5	278770 192256
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	464	5	278769 192254
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	468	5	277884 192091
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 347.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A14NW (E)	469	5	278879 192585
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	473	5	277694 192647
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A12NE (W)	473	5	277694 192649
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	487	5	277699 192698
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A12NE (W)	490	5	277683 192669

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A12NE (W)	498	5	277682 192686
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A12NE (W)	499	5	277682 192690
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	504	5	277851 192072
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	504	5	278807 192238
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	504	5	278807 192238
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (NW)	511	5	277732 192803
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	516	5	277703 192768
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	522	5	278189 191941
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (E)	528	5	278934 192488

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A12NE (W)	546	5	277647 192728
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 245.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	546	5	277650 192736
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SE (E)	550	5	278956 192496
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SE (N)	552	5	278424 193169
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SE (N)	552	5	278424 193169
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Ynys-y-gwas Catchment Name: Afan Primacy: 1	A8NW (S)	553	5	278094 191915
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1342.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A8NW (S)	553	5	278094 191915
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 440.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A14NW (NE)	558	5	278922 192809
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	564	5	278248 191904

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Ynys-y-gwas Catchment Name: Afan Primacy: 1	A8NW (S)	576	5	278122 191888
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	582	5	277779 192030
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NW (SE)	586	5	278821 192126
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SE (E)	593	5	279001 192510
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SE (E)	593	5	279001 192510
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NW (SE)	595	5	278887 192194
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.2 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Ynys-y-gwas Catchment Name: Afan Primacy: 1	A8SW (S)	604	5	278129 191860
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SW (NE)	617	5	278906 192959
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Ynys-y-gwas Catchment Name: Afan Primacy: 1	A8SW (S)	620	5	278144 191843

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	626	5	278304 191851
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	626	5	278304 191851
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NW (SE)	629	5	278821 192065
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 129.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NW (SE)	639	5	278824 192054
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 330.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NW (SE)	659	5	278941 192160
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NE (E)	660	5	279069 192603
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 564.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-mawr Catchment Name: Afan Primacy: 1	A12NW (NW)	665	5	277569 192835
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (NW)	665	5	277569 192835
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	670	5	277478 192573

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	670	5	278356 191819
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	677	5	277470 192566
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SW (S)	678	5	278275 191793
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Nant Ynys-y-gwas Catchment Name: Afan Primacy: 1	A8SW (S)	681	5	278186 191781
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	692	5	278394 191805
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	718	5	277430 192577
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 492.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	720	5	277429 192580
125	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 36.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	739	5	278470 191766
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 246.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Ynys-y-gwas Catchment Name: Afan Primacy: 1	A8SW (S)	762	5	278189 191700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NW (SE)	769	5	278914 191960
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	771	5	278470 191733
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 285.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NW (SE)	777	5	278919 191953
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 267.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NE (E)	799	5	279196 192720
131	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 59.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	799	5	278486 191707
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	807	5	278608 191727
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	813	5	278544 191703
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NE (E)	833	5	279200 192847
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NE (SE)	853	5	279061 191996

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 109.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	868	5	278603 191662
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 364.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-clais Catchment Name: Afan Primacy: 1	A7NW (SW)	922	5	277445 191892
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-clais Catchment Name: Afan Primacy: 1	A7SW (SW)	925	5	277462 191865
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 543.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm-clais Catchment Name: Afan Primacy: 1	A7SW (SW)	938	5	277492 191813
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (S)	942	5	278647 191598
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	944	5	278701 191615
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (S)	958	5	278656 191584
143	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Ynys-y-gwas Catchment Name: Afan Primacy: 1	A3NE (S)	961	5	278315 191513
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	961	5	278730 191608

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A9SW (SE)	963	5	278736 191608
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	963	5	278736 191608
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A20SW (E)	966	5	279314 192928
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NE (SE)	967	5	279204 191998
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NE (SE)	967	5	279204 191998
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 467.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Ynys-y-gwas Catchment Name: Afan Primacy: 1	A3NE (S)	967	5	278321 191507
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A19SE (NE)	969	5	279287 193000
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	984	5	278766 191599
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	984	5	278766 191599

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A20SW (NE)	995	5	279310 193014
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 438.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A20SW (NE)	995	5	279310 193014

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	BGS Recorded Landfill Sites Site Name: Eagle Brickworks Location: Off A4107, Glamorgan Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Derived	A14SE (E)	638	-	279003 192320
157	Historical Landfill Sites Licence Holder: Not Supplied Location: Cwmavon, Port Talbot Name: Disused Tip off Heol Tabor Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34825 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A13NW (NW)	187	2	278192 192729
158	Historical Landfill Sites Licence Holder: Not Supplied Location: Cwmavon Name: Tip - Disused Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34811 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A18SW (N)	407	2	278166 192959
159	Historical Landfill Sites Licence Holder: Not Supplied Location: Off A4107, Glamorgan Name: Eagle Brickworks Site Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31276 First Input Date: 4th January 1971 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Commercial Waste, and Liquid Type: Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 894 Other Ref: Not Supplied	A14SE (E)	621	2	278986 192323
160	Licensed Waste Management Facilities (Locations) Licence Number: FP3898FK Location: G Davies Skip Hire, Brunel Ind Est, Cwmavon, Port Talbot, N P T, Neath Port Talbot, SA12 9DE Operator Name: Glenville Davies Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Effective Issued: 1st June 1999 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	760	2	277745 191832

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	Licensed Waste Management Facilities (Locations) Licence Number: 34157 Location: 1 Brunel Ind Est , Cwmavon, Port Talbot, SA12 9DE Operator Name: Davies Glenville Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Modified Issued: 1st June 1999 Last Modified: 23rd August 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	760	2	277745 191832
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	3	278284 192533
161	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13SE (S)	0	-	278288 192506
162	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NE (NE)	0	-	278298 192561
163	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NW (N)	105	-	278274 192680
164	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NW (N)	203	-	278220 192759
165	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13SW (SW)	205	-	278075 192279
166	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A14SW (SE)	443	-	278711 192215
167	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A14SW (SE)	453	-	278766 192269
168	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A12NE (W)	468	-	277719 192703
169	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A8NE (SE)	584	-	278612 191969
170	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A9NW (SE)	621	-	278804 192059
171	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A19SW (NE)	633	-	278909 192983
172	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A9NE (SE)	718	-	279012 192161

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A12NW (W)	731	-	277490 192828
174	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A19SW (NE)	799	-	278945 193194
175	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A9SW (SE)	855	-	278886 191821
176	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A23SE (N)	953	-	278324 193568
177	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A19NW (NE)	967	-	278821 193484
178	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A8SE (S)	990	-	278585 191531
179	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (S)	180	-	278301 192267
180	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NE (SW)	505	-	277857 192065
181	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NW (S)	526	-	278245 191942
182	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NW (S)	601	-	278267 191869
183	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A9NW (SE)	610	-	278834 192105
184	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8SE (S)	694	-	278406 191804
185	Registered Landfill Sites Licence Holder: K J Collier Licence Reference: 1/88 Site Location: Cwmbont 1 & 2 (Western Logs Ltd), Ynysygwas, Cwmafan, Port Talbot, West Glamorgan Licence Easting: 278800 Licence Northing: 192000 Operator Location: Ynysallan Farm, Llansamlet, Swansea, West Glamorgan Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1988 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Builders Rubble, Stone, Bricks, Mortar Prohibited Waste: Topsoil/Subsoil, Putrescible Materials	A9NW (SE)	412	4	278626 192180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	Registered Landfill Sites Licence Holder: Port Talbot B.C. Licence Reference: . Site Location: Eagle Brickworks, Cwmafan, Port Talbot, West Glamorgan Licence Easting: 279100 Licence Northing: 192200 Operator Location: Municipal Buildings, Aberafan, Port Talbot, West Glamorgan Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: Not Supplied Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Civic Amenity/Refuse Amenity Waste House, Com + Ind. Non-Toxic, Non-Notif	A9NE (E)	776	4	279100 192200
187	Registered Waste Transfer Sites Licence Holder: G Davies - G Davies Skip Hire Licence Reference: SWW 174L Site Location: 1 Brunel Industrial Estate, Cwmavon, PORT TALBOT, West Glamorgan, SA12 9DB Operator Location: 1 Brunel Industrial Estate, Cwmavon, PORT TALBOT, West Glamorgan, SA12 9DB Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st June 1999 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Construction/Demolition/Building Wastes, Stone Inert Waste Scrap Metal Timber,Paper, Cardboard, Plastics Prohibited Waste: Household Degradable Waste Liquid Wastes Powders Sludge Wastes Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.	A7SE (SW)	784	4	277750 191800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13SE (NE)	0	1	278284 192533
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (NE)	0	1	278284 192533
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NW (N)	13	1	278270 192575
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (W)	153	1	278007 192434
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (W)	159	1	278000 192434
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 45 - 60 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (SW)	170	1	278000 192411
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 45 - 60 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SE (W)	259	1	277907 192398

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (SE)	320	1	278641 192323
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	374	1	278381 192085
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	381	1	278714 192822
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (SE)	450	1	278488 192057
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NW (S)	462	1	278222 192000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	462	1	278163 192000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	465	1	278284 192000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	472	1	278739 192206
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	486	1	278318 192000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	497	1	278818 192876
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	514	1	278783 192191
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	515	1	278500 192000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	539	1	278510 191975
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	543	1	278500 191971
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (NE)	566	1	278898 192877
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NW (SW)	616	1	278000 191870
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	648	1	278500 191863
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (SE)	656	1	278969 192209

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	657	1	278367 191824
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	665	1	278121 191799
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	668	1	278395 191827
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	669	1	278519 191846
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	669	1	278500 191842
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	669	1	278476 191837

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	672	1	278296 193300
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	673	1	278000 191811
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	690	1	278500 191820
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	693	1	278959 192125
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	699	1	278000 191784
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	730	1	279028 192980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	742	1	278500 191767
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	797	1	277758 191779
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	837	1	277682 191781
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	848	1	279188 192925
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	852	1	277652 191785
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	853	1	278493 191653

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	898	1	277566 191797
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	928	1	278500 191579
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	932	1	277333 192960
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	938	1	277497 191808
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SE)	941	1	279057 191859
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SW (SW)	941	1	277488 191813

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	954	1	277331 193000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SE)	962	1	279000 191777
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	974	1	277411 191851
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (W)	979	1	277256 192913
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A20SW (NE)	988	1	279298 193022
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A20SW (NE)	988	1	279298 193022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SE)	994	1	279036 191766
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NW (SW)	998	1	277353 191888
188	BGS Recorded Mineral Sites Site Name: Meadow Pit Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156617 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	67	1	278403 192444
189	BGS Recorded Mineral Sites Site Name: Copper Row Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156572 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (N)	121	1	278349 192731
190	BGS Recorded Mineral Sites Site Name: Tewgoed-Bach Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156571 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	438	1	278124 192974
190	BGS Recorded Mineral Sites Site Name: Tewgoed-Bach Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156570 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	450	1	278158 193003

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	BGS Recorded Mineral Sites Site Name: Railmill House Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156575 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	496	1	278805 192249
192	BGS Recorded Mineral Sites Site Name: Railmill House Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156576 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	533	1	278809 192192
193	BGS Recorded Mineral Sites Site Name: Pen Y Castell Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156646 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	568	1	278583 191973
194	BGS Recorded Mineral Sites Site Name: Pen Y Castell Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156649 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	639	1	278813 192044
195	BGS Recorded Mineral Sites Site Name: Cwm-Mawr Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156573 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (NW)	666	1	277576 192848
196	BGS Recorded Mineral Sites Site Name: Maesmelyn Colliery Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156671 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	696	1	278984 192156

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	BGS Recorded Mineral Sites Site Name: Railmill House Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156596 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	702	1	279072 192321
198	BGS Recorded Mineral Sites Site Name: Tormynydd Location: Port Talbot, Neath Port Talbot Source: British Geological Survey, National Geoscience Information Service Reference: 188773 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	731	1	278943 193097
199	BGS Recorded Mineral Sites Site Name: Tormynydd Location: Port Talbot, Neath Port Talbot Source: British Geological Survey, National Geoscience Information Service Reference: 188774 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	743	1	278984 193066
200	BGS Recorded Mineral Sites Site Name: Mynydd Bychan Location: Pwll-Y-Glaw, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156522 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	801	1	279208 192495
201	BGS Recorded Mineral Sites Site Name: Craig Colliery Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156611 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Upper Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	807	1	278846 193285
202	BGS Recorded Mineral Sites Site Name: Pen Y Castell Gravel Pit Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156672 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	854	1	278884 191820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
203	BGS Recorded Mineral Sites Site Name: Patch-Mawr Level Location: Pwll-Y-Glaw, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156548 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	878	1	279248 192294
204	BGS Recorded Mineral Sites Site Name: Craig Colliery Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156612 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Upper Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	907	1	278956 193327
205	BGS Recorded Mineral Sites Site Name: Mynydd Bychan Location: Pwll-Y-Glaw, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156547 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A15NW (E)	933	1	279343 192551
206	BGS Recorded Mineral Sites Site Name: Cwm Avan Location: Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156670 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	964	1	277750 191594
207	BGS Recorded Mineral Sites Site Name: Pen Y Castell Gravel Pit Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156647 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8SE (S)	990	1	278578 191530
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (NE)	0	6	278284 192533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (NE)	0	-	278284 192533
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	41	1	278265 192409
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	13	1	278273 192576
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	68	1	278236 192620
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	185	1	278200 192731
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	68	1	278236 192620
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	116	1	278200 192655
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	184	1	278199 192729
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	195	1	278225 192756
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	201	1	278432 192818
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	234	1	278166 192806
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	241	1	278317 192865
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	242	1	278421 192858
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	242	1	278412 192859
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	68	1	278236 192620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	185	1	278200 192731
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	211	1	278297 192835
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	278248 192501
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	278248 192501
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	Contemporary Trade Directory Entries Name: Washed4u Location: 41, Heol Jiwibili, Cwmavon, Port Talbot, West Glamorgan, SA12 9NR Classification: Laundries & Launderettes Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	132	-	278492 192440
209	Contemporary Trade Directory Entries Name: Barber Refrigeration Ltd Location: Hazelwood Terrace, Cwmavon, Port Talbot, SA12 9DW Classification: Refrigerators & Freezers - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	249	-	278606 192395
210	Contemporary Trade Directory Entries Name: A & I Engineering Ltd Location: 49, Depot Road, Cwmavon, Port Talbot, West Glamorgan, SA12 9BA Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	281	-	278222 192186
211	Contemporary Trade Directory Entries Name: Gwendraegh Valley Cars Location: Heol Cwmawr, Drefach, Llanelli, Dyfed, SA14 7AA Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	301	-	277844 192526
212	Contemporary Trade Directory Entries Name: Brynbryddan Pest Control Services Location: 7, Brynbryddan, Cwmavon, Port Talbot, West Glamorgan, SA12 9LD Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	438	-	277735 192345
213	Contemporary Trade Directory Entries Name: Apex Cleaning & Pest Control Location: 26, Ynys-Lee, Cwmavon, Port Talbot, SA12 9AQ Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	582	-	278436 191919
214	Contemporary Trade Directory Entries Name: Boiler Maintenance Services Location: 8, Ynys y Gwas, Cwmavon, Port Talbot, West Glamorgan, SA12 9AB Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	583	-	278201 191880
215	Contemporary Trade Directory Entries Name: Sharpes Auto Electrical Co Ltd Location: London Terrace, Cwmavon, Port Talbot, West Glamorgan, SA12 9AN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	584	-	277949 191922
216	Contemporary Trade Directory Entries Name: Ibis Packaging Location: Craven Lodge, Cwmavon Road, Cwmavon, Port Talbot, West Glamorgan, SA12 9BT Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	688	-	277676 191982
217	Contemporary Trade Directory Entries Name: Wizard Chocolates Location: 53, Pine Valley, Cwmavon, Port Talbot, West Glamorgan, SA12 9NF Classification: Confectionery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	732	-	277497 192159
217	Contemporary Trade Directory Entries Name: Wizard Chocolates Location: 53, Pine Valley, Cwmavon, Port Talbot, SA12 9NF Classification: Confectionery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	732	-	277497 192159

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	Contemporary Trade Directory Entries Name: Cwmavon Animal Feed Location: 15, Cefn Coed Road, Cwmavon, Port Talbot, SA12 9LR Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	781	-	277384 192320
219	Contemporary Trade Directory Entries Name: The Private Cleaning Co Location: 71, Brynglas Avenue, Cwmavon, Port Talbot, West Glamorgan, SA12 9LF Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	783	-	277403 192251
220	Contemporary Trade Directory Entries Name: Richard Morris Car Sales Ltd Location: Unit 1/2, Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	798	-	277712 191808
220	Contemporary Trade Directory Entries Name: Tidy Tyres Location: Unit 2, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	809	-	277695 191806
221	Contemporary Trade Directory Entries Name: Millennium Motors Location: Unit 3, Brunel Industrial Estate, Cwmavon, PORT TALBOT, West Glamorgan, SA12 9DE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	815	-	277708 191790
221	Contemporary Trade Directory Entries Name: K D Autos Location: Unit 3 Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	815	-	277708 191790
221	Contemporary Trade Directory Entries Name: K D Autos Swansea Location: Unit 3 Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	815	-	277708 191790
221	Contemporary Trade Directory Entries Name: R S Body Repair Centre Location: Unit 4, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	843	-	277687 191771
221	Contemporary Trade Directory Entries Name: R & S Repair Location: Unit 4, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	843	-	277687 191771
221	Contemporary Trade Directory Entries Name: Allen & Co Ltd Location: Unit 5/6, Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	859	-	277674 191760
221	Contemporary Trade Directory Entries Name: Allan Ltd & Co Location: Unit 5, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Classification: Industrial Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	859	-	277674 191760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	Contemporary Trade Directory Entries Name: Barber Location: Unit 7, Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	897	-	277647 191733
222	Contemporary Trade Directory Entries Name: Fibreglass Roofing Supplies Ltd Location: 37a, Pine Valley, Cwmavon, Port Talbot, SA12 9NE Classification: Glass Fibre Moulding, Materials & Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	877	-	277422 192003
223	Contemporary Trade Directory Entries Name: Gourlay Hire Ltd Location: Unit 10, Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Fuel Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	949	-	277608 191698
223	Contemporary Trade Directory Entries Name: Brunel Painting & Specialist Coatings Location: Unit 10, Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Coating Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	949	-	277608 191698
223	Contemporary Trade Directory Entries Name: The Patio Centre Location: Unit 12, Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Concrete Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	976	-	277587 191679
223	Contemporary Trade Directory Entries Name: European Plastics Ltd Location: Unit 13, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	995	-	277576 191663
223	Contemporary Trade Directory Entries Name: European Plastics Ltd Location: Unit 13, Brunel Industrial Estate, Cwmavon, Port Talbot, West Glamorgan, SA12 9DE Classification: Plastics - Extrusion Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	995	-	277576 191663
224	Contemporary Trade Directory Entries Name: City Commercials Location: Abernant, Cwmavon Road, Cwmavon, Port Talbot, West Glamorgan, SA12 9HL Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	976	-	277474 191778
225	Fuel Station Entries Name: Ageglory Service Station Location: Cunard Row, Cwmavon, Port Talbot, Neath Port Talbot, SA12 9ED Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the road within the address or location	A13SE (E)	201	-	278591 192468
226	Points of Interest - Commercial Services Name: Brynbryddan Pest Control Services Location: 7 Brynbryddan, Cwmavon, Port Talbot, SA12 9LD Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A12SE (W)	438	7	277735 192344
227	Points of Interest - Commercial Services Name: Sharpes Auto Electrical Co Ltd Location: London Terrace, Cwmavon, Port Talbot, SA12 9AN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	584	7	277949 191922

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
227	Points of Interest - Commercial Services Name: Sharpes Auto Electrical Co Ltd Location: London Terrace, Cwmavon, Port Talbot, SA12 9AN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	584	7	277949 191922
228	Points of Interest - Commercial Services Name: K D Autos Location: Unit 3 Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	815	7	277708 191790
228	Points of Interest - Commercial Services Name: K D Autos Swansea Location: Unit 3 Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	815	7	277708 191790
228	Points of Interest - Commercial Services Name: Fast Wax Detailing Location: Unit 3, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SE (SW)	815	7	277708 191790
228	Points of Interest - Commercial Services Name: Millennium Motors Location: Unit 3, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	815	7	277708 191790
228	Points of Interest - Commercial Services Name: Millennium Motors Location: Unit 3, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	816	7	277708 191789
228	Points of Interest - Commercial Services Name: R & S Repair Location: Unit 4, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	843	7	277687 191771
228	Points of Interest - Commercial Services Name: R S Body Repair Centre Location: Unit 4, Brunel Industrial Estate, Cwmavon, Port Talbot, SA12 9DE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	843	7	277687 191771
229	Points of Interest - Manufacturing and Production Name: Shaft (Disused) Location: SA12 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	203	7	278509 192783
230	Points of Interest - Manufacturing and Production Name: C R Mortimer & Sons Location: Cwmavon Post Office 5, Tyr Owen Row, Cwmavon, Port Talbot, SA12 9BE Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A8NW (SW)	408	7	277960 192111
231	Points of Interest - Manufacturing and Production Name: Tanks Location: SA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	706	7	278832 191970
232	Points of Interest - Manufacturing and Production Name: Brunel Industrial Estate Location: SA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	891	7	277592 191783

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: SA12 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	268	7	278183 192814
234	Points of Interest - Public Infrastructure Name: Cwmafan Police Office Location: 60 Depot Road, Cwmafan, Port Talbot, SA12 9BA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A8NW (S)	302	7	278273 192178
235	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	362	7	278674 192297
236	Points of Interest - Public Infrastructure Name: Outfall Location: SA12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	412	7	278347 192085
236	Points of Interest - Public Infrastructure Name: Outfall Location: SA12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	418	7	278332 192078
237	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: SA12 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	441	7	278142 192985
237	Points of Interest - Public Infrastructure Name: Tip Location: SA12 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	467	7	278138 193012
238	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	498	7	278906 192519
238	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	504	7	278913 192521
239	Points of Interest - Public Infrastructure Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	538	7	277961 191966
239	Points of Interest - Public Infrastructure Name: Graveyard Location: SA12 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	541	7	277948 191968
240	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: SA12 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	641	7	278983 192267

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	647	7	278030 191830
242	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: SA12 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	756	7	279141 192363
243	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	759	7	279080 192946
243	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	765	7	279086 192948
244	Points of Interest - Recreational and Environmental Name: Playground Location: (Hoel-Y-Graig), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	161	7	278395 192779
245	Points of Interest - Recreational and Environmental Name: Skateboard Park Location: (Penllyn), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SW (SW)	211	7	278160 192251
245	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	242	7	278204 192223
246	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	553	7	277592 192471
246	Points of Interest - Recreational and Environmental Name: Playground Location: Nr Brynna Road, SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A12SW (W)	554	7	277591 192477
247	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	585	7	278883 192936
247	Points of Interest - Recreational and Environmental Name: Playground Location: Salem Road, SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19SW (NE)	593	7	278891 192940
248	Points of Interest - Recreational and Environmental Name: Playground Location: (Cae Copor), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7NE (SW)	631	7	277777 191968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
249	Points of Interest - Recreational and Environmental Name: Playground Location: (Ynys-Lee), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SE (S)	650	7	278417 191849
250	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	658	7	278256 191810
250	Points of Interest - Recreational and Environmental Name: Playground Location: Afan Valley Road, SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	659	7	278257 191809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
251	Ancient Woodland Name: Not Supplied Reference: 13955 Area(m²): 3347.07 Type: Ancient and Semi-Natural Woodland	A8NW (S)	524	2	278194 191939
252	Ancient Woodland Name: Not Supplied Reference: 40118 Area(m²): 5283.11 Type: Plantation on Ancient Woodland	A19SW (NE)	613	2	278748 193117
253	Ancient Woodland Name: Not Supplied Reference: 41924 Area(m²): 3462.95 Type: Plantation on Ancient Woodland	A19SW (NE)	618	2	278755 193117
254	Ancient Woodland Name: Not Supplied Reference: 13958 Area(m²): 62339.3 Type: Ancient and Semi-Natural Woodland	A7NE (SW)	634	2	277690 192047
255	Ancient Woodland Name: Not Supplied Reference: 13954 Area(m²): 10223.86 Type: Ancient and Semi-Natural Woodland	A8SW (S)	652	2	278108 191810
256	Ancient Woodland Name: Not Supplied Reference: 7873 Area(m²): 4201.83 Type: Ancient and Semi-Natural Woodland	A8SE (S)	682	2	278525 191834
257	Ancient Woodland Name: Not Supplied Reference: 10082 Area(m²): 143784.02 Type: Ancient and Semi-Natural Woodland	A19SW (NE)	684	2	278774 193185
258	Ancient Woodland Name: Not Supplied Reference: 18259 Area(m²): 4533.79 Type: Ancient and Semi-Natural Woodland	A9NE (SE)	694	2	278966 192133
259	Ancient Woodland Name: Not Supplied Reference: 13953 Area(m²): 3146.76 Type: Ancient and Semi-Natural Woodland	A8SE (S)	729	2	278447 191773
260	Ancient Woodland Name: Not Supplied Reference: 18262 Area(m²): 14746.5 Type: Ancient and Semi-Natural Woodland	A19NW (NE)	745	2	278745 193274
261	Ancient Woodland Name: Not Supplied Reference: 41090 Area(m²): 2279.86 Type: Plantation on Ancient Woodland	A8SW (S)	757	2	278010 191722
262	Ancient Woodland Name: Not Supplied Reference: 18260 Area(m²): 1305.67 Type: Ancient and Semi-Natural Woodland	A19SW (NE)	796	2	278919 193214
263	Ancient Woodland Name: Not Supplied Reference: 13952 Area(m²): 1745.05 Type: Ancient and Semi-Natural Woodland	A8SE (S)	800	2	278605 191734
264	Ancient Woodland Name: Not Supplied Reference: 13949 Area(m²): 14670.54 Type: Ancient and Semi-Natural Woodland	A8SW (S)	802	2	278195 191661

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
265	Ancient Woodland Name: Not Supplied Reference: 40118 Area(m²): 4616.05 Type: Plantation on Ancient Woodland	A19NW (NE)	835	2	278934 193253
266	Ancient Woodland Name: Not Supplied Reference: 13950 Area(m²): 7830.74 Type: Ancient and Semi-Natural Woodland	A8SE (S)	848	2	278472 191652
267	Ancient Woodland Name: Not Supplied Reference: 41924 Area(m²): 70.09 Type: Plantation on Ancient Woodland	A19NE (NE)	861	2	278956 193268
268	Ancient Woodland Name: Not Supplied Reference: 13951 Area(m²): 5978.64 Type: Ancient and Semi-Natural Woodland	A7SE (SW)	862	2	277771 191697
269	Ancient Woodland Name: Not Supplied Reference: 41088 Area(m²): 4871.4 Type: Plantation on Ancient Woodland	A8SW (S)	893	2	278221 191571
270	Ancient Woodland Name: Not Supplied Reference: 13960 Area(m²): 2961.26 Type: Ancient and Semi-Natural Woodland	A12NW (W)	897	2	277281 192744
271	Ancient Woodland Name: Not Supplied Reference: 41089 Area(m²): 14871.52 Type: Plantation on Ancient Woodland	A8SE (S)	913	2	278593 191613
272	Ancient Woodland Name: Not Supplied Reference: 41925 Area(m²): 46.21 Type: Plantation on Ancient Woodland	A19NE (NE)	926	2	279003 193313
273	Forest Parks Name: Not Given Multiple Area: N Area (m2): 1600081 Source: Forestry Commission	A18SW (N)	399	8	278276 193007
274	Forest Parks Name: Not Given Multiple Area: N Area (m2): 8226578 Source: Forestry Commission	A14SE (E)	797	8	279206 192531

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Bridgend County Borough Council - Environmental Health Department Natural Resources Wales Neath Port Talbot County Borough Council - Environmental Health Department	January 2020 June 2020 October 2017	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 January 2022	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	January 2021 January 2022	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2014	Variable Variable
Local Authority Pollution Prevention and Controls Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2014	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2015	Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2022	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
Substantiated Pollution Incident Register Environment Agency Wales - South West Area Natural Resources Wales	January 2021 January 2022	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	January 2022 January 2022	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	January 2022 October 2017	Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	July 2017	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2022	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water Suitability Natural Resources Wales	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Natural Resources Wales	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	October 2021 October 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South West Area	April 2021 July 2021	Quarterly Quarterly
Local Authority Landfill Coverage Bridgend County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bridgend County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - South West Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Bridgend County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 October 2015	Variable Variable
Planning Hazardous Substance Consents Bridgend County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	March 2022	Quarterly
Points of Interest - Education and Health PointX	March 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2022	Quarterly
Points of Interest - Public Infrastructure PointX	March 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

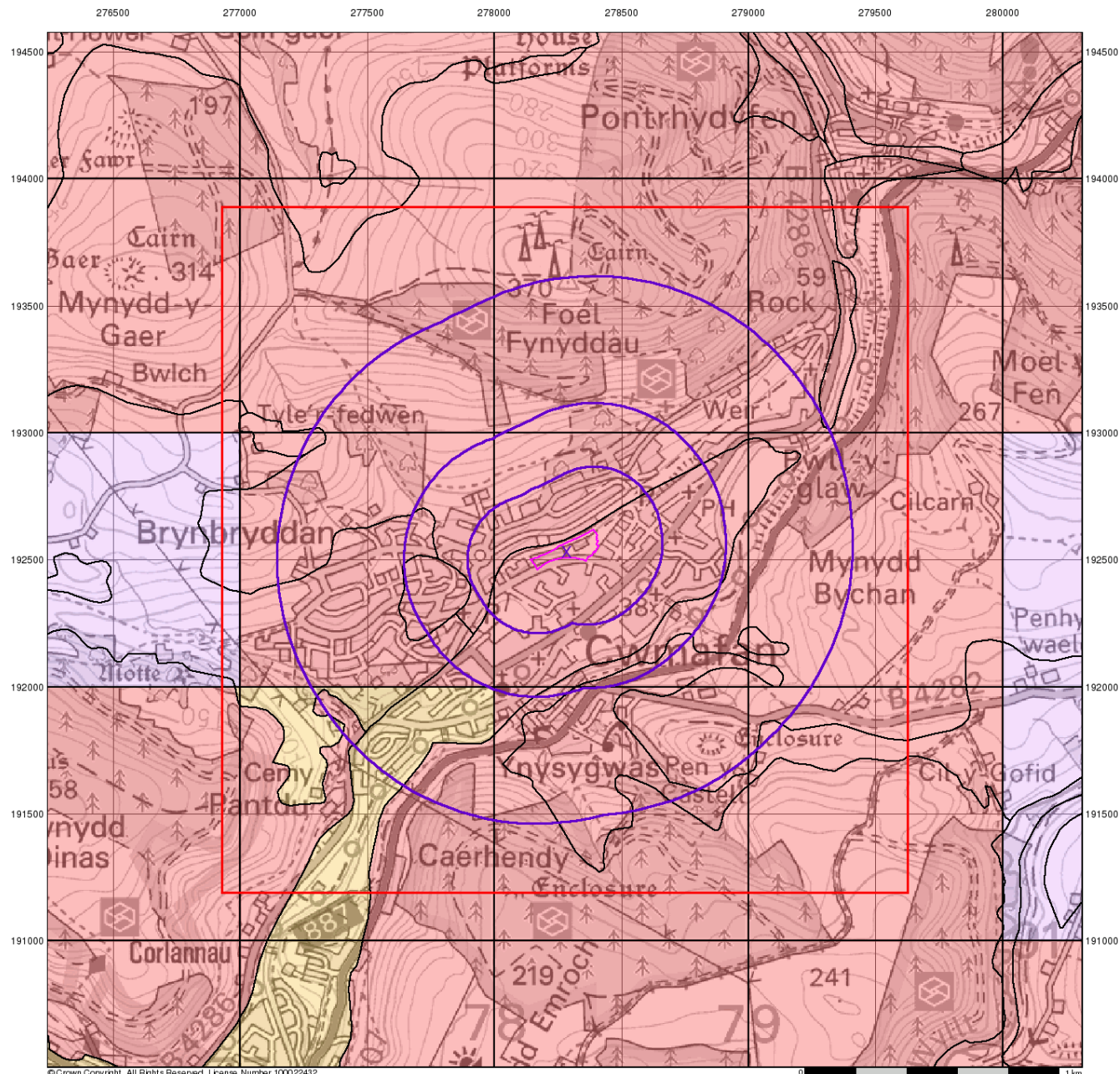
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	September 2018	Bi-Annually
Areas of Adopted Green Belt Bridgend County Borough Council Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Bridgend County Borough Council Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Bridgend County Borough Council Neath Port Talbot County Borough Council	August 2018 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	February 2022	Bi-Annually
National Parks Natural Resources Wales	February 2018	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 July 2019	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2020	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology and Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
4	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Forestry Commission 231 Corstorphine Road, Edinburgh, Midlothian, EH12 7AT	Telephone: 0131 334 0303 Fax: 0131 334 4473
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



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0 1 km

Intégral Géotechnique

Groundwater Vulnerability

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Bedrock Aquifers

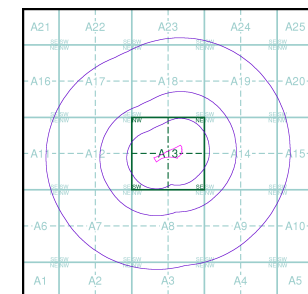
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

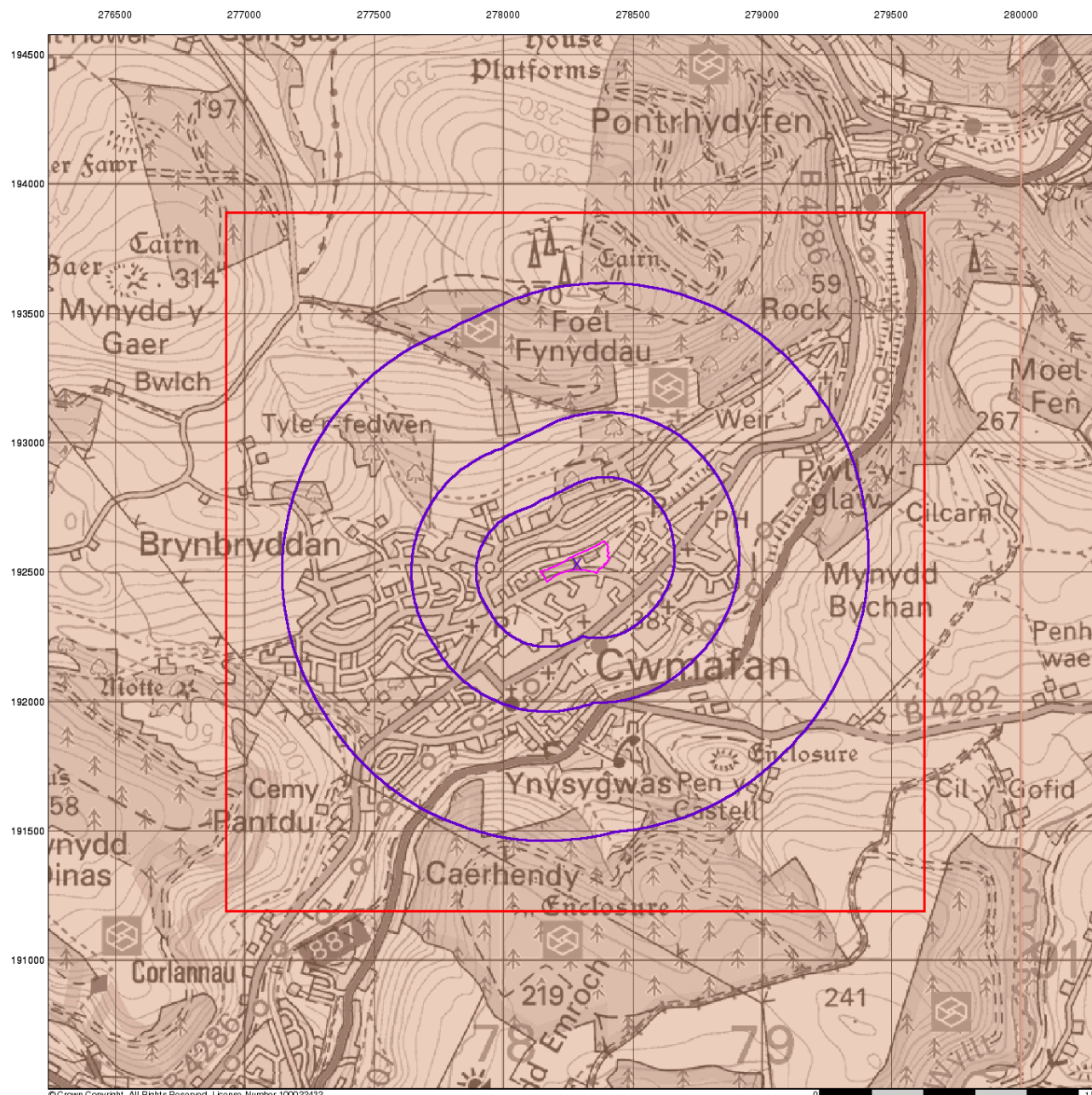
Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

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0 1 km

Intégral Géotechnique

Bedrock Aquifer Designation

General

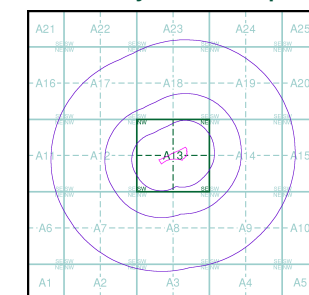
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

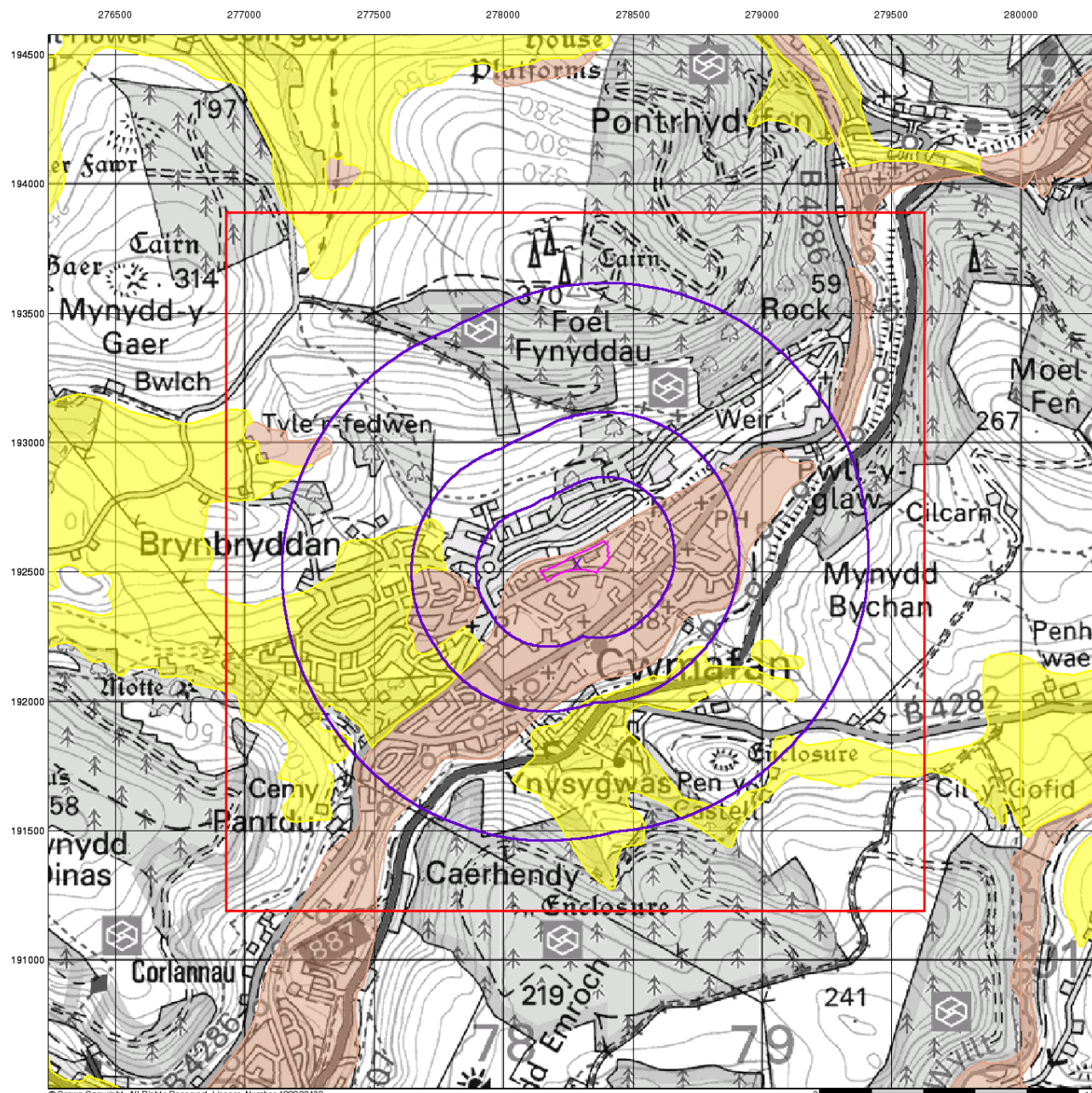
Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

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0 1 km

Intégral Géotechnique

Superficial Aquifer Designation

General

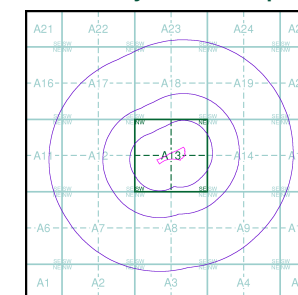
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

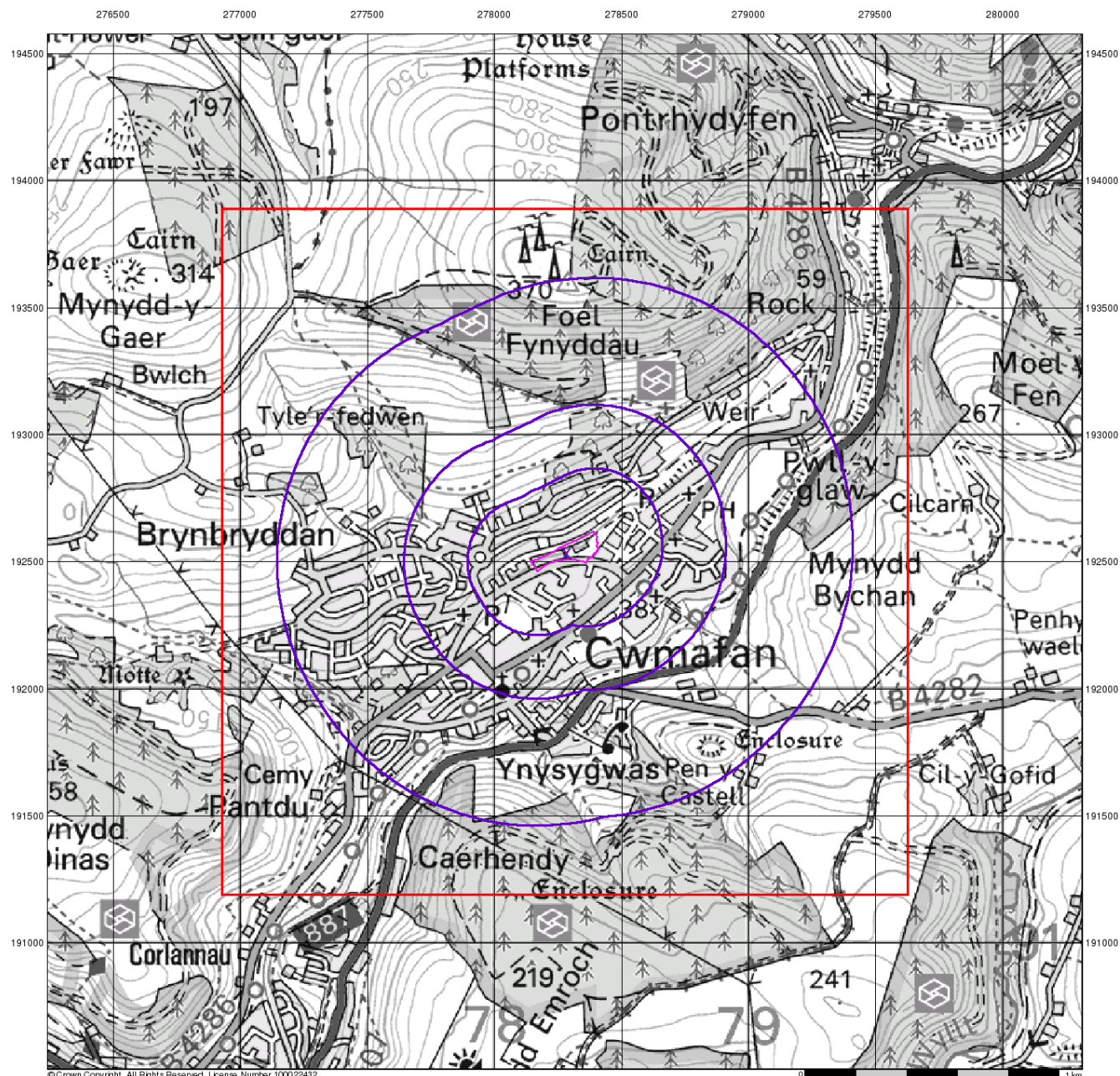
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 Customer Ref: 14023/LP
 National Grid Reference: 278280, 192530
 Slice: A
 Site Area (Ha): 1.58
 Search Buffer (m): 1000

Site Details

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Intégral Géotechnique

Source Protection Zones

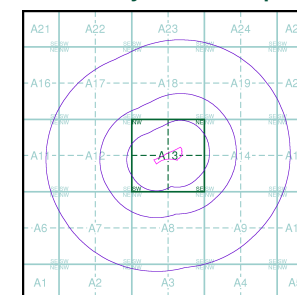
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

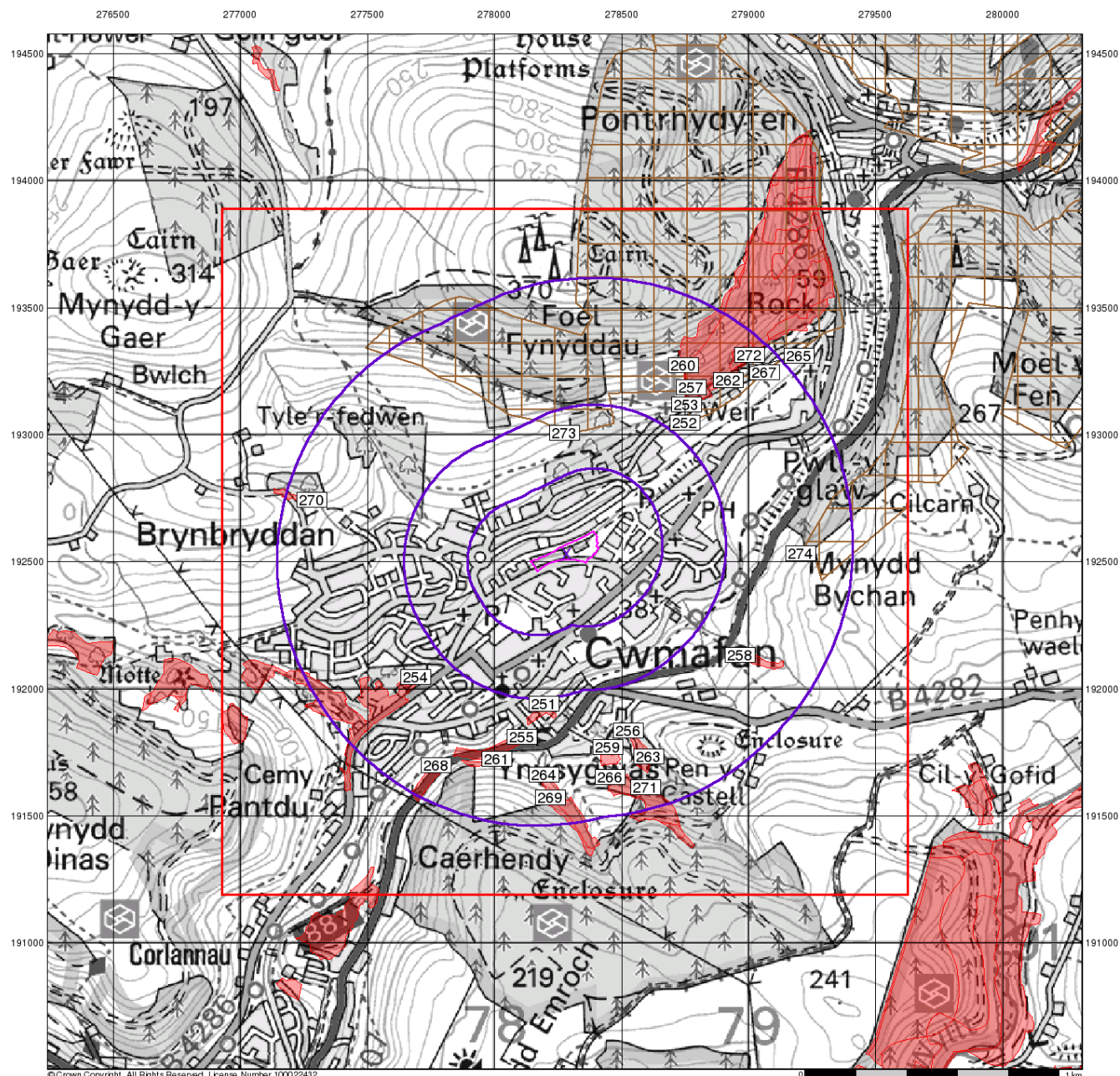
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Site Details

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Intégral Géotechnique

Sensitive Land Uses

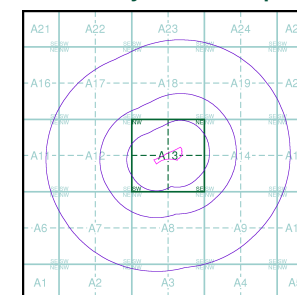
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

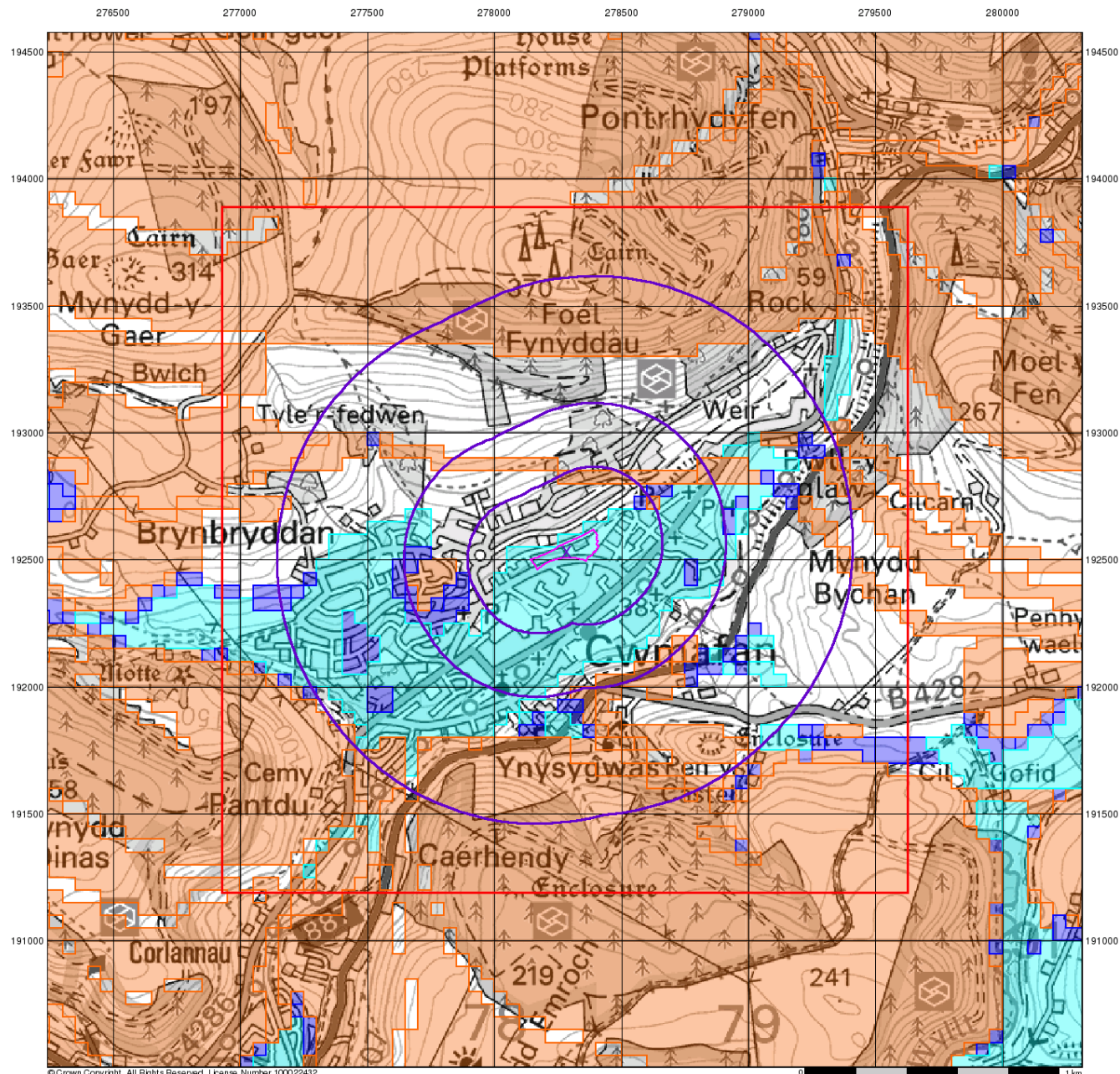
Order Number: 292811731_1_1
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Site Details

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Intégral Géotechnique

BGS Flood GFS Data

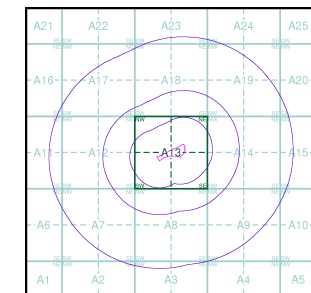
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 292811731_1_1
 Customer Ref: 14023/LP
 National Grid Reference: 278280, 192530
 Slice: A
 Site Area (Ha): 1.58
 Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

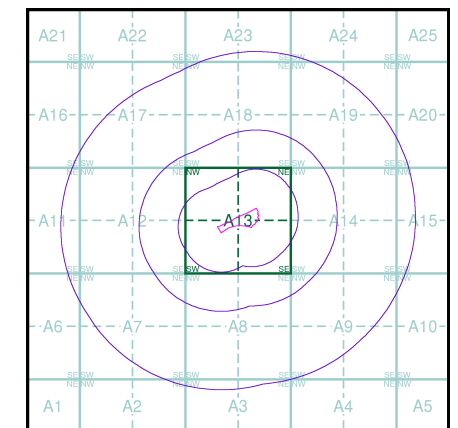
Landmark
 INFORMATION GROUP

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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

Intégral Géotechnique

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

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INFORMATION GROUP

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Web: www.envirocheck.co.uk

Intégral Géotechnique

Industrial Land Use Map

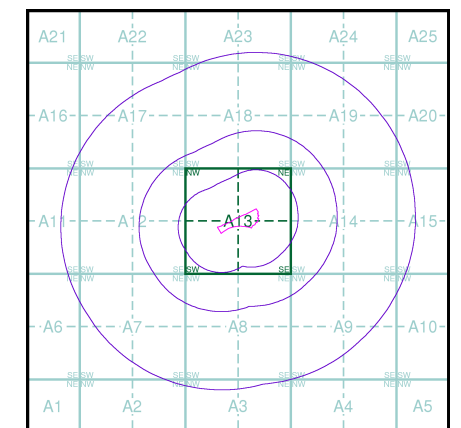
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

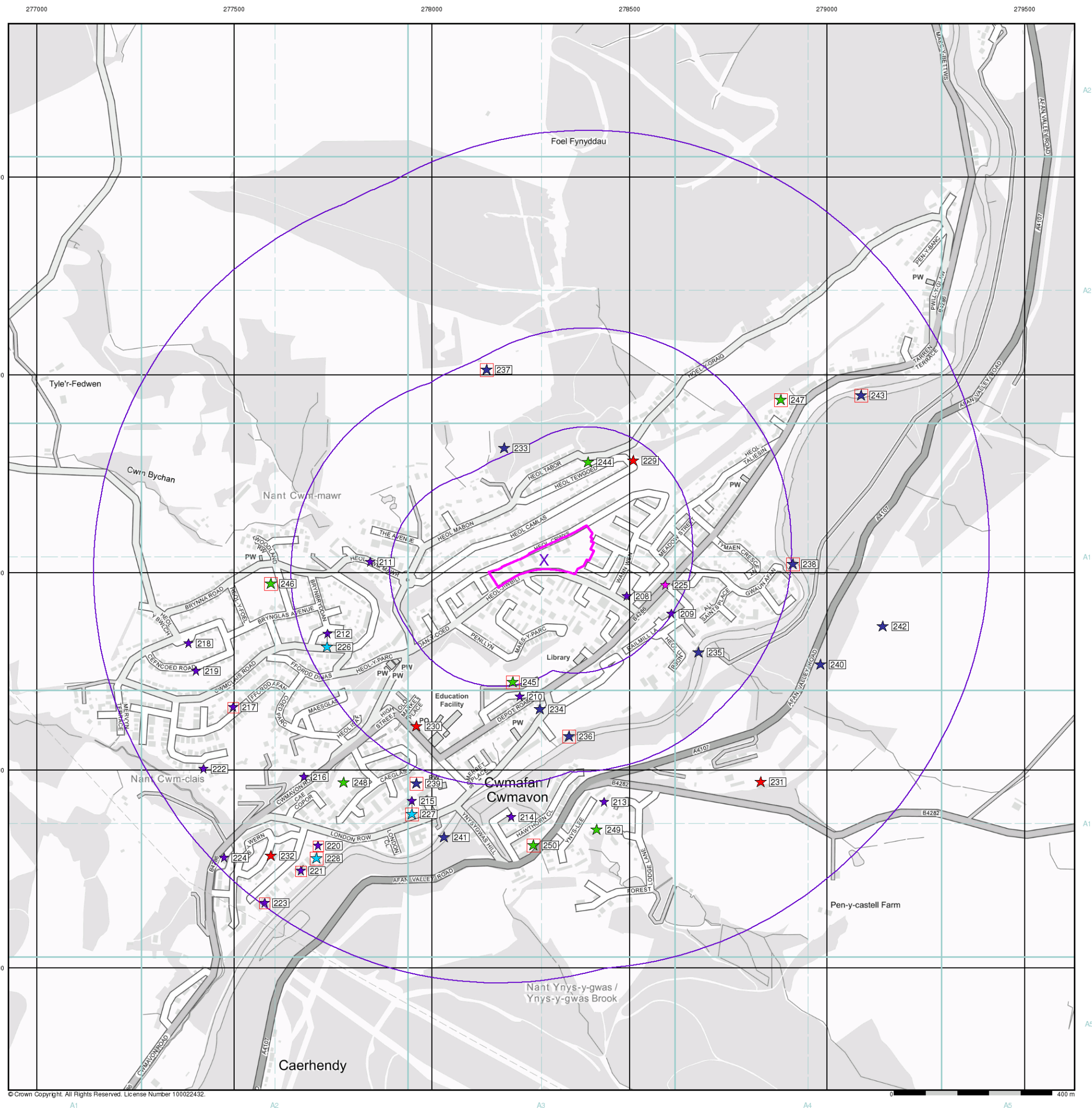
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Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

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INFORMATION GROUP

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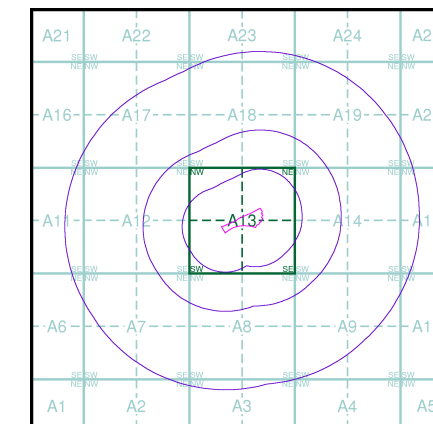
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A

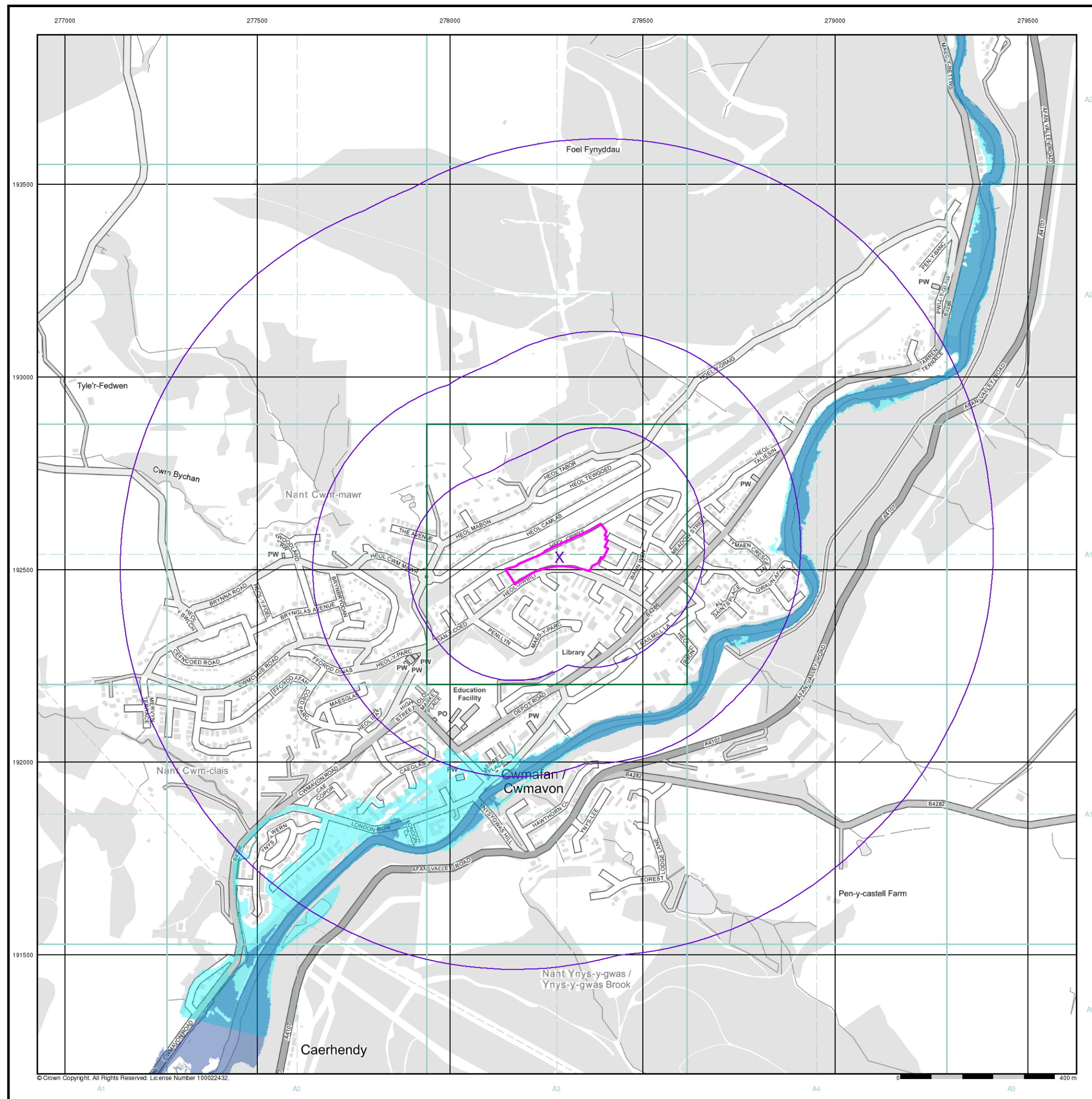


Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA



General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

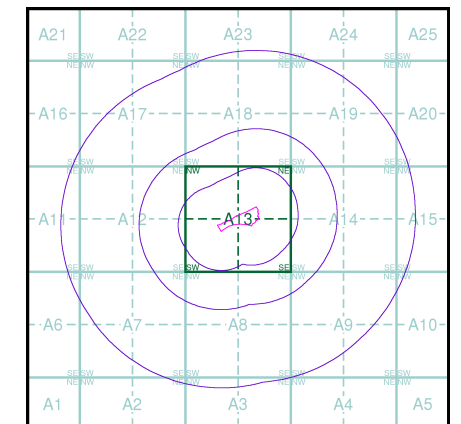
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Intégral Géotechnique

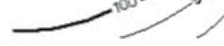
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

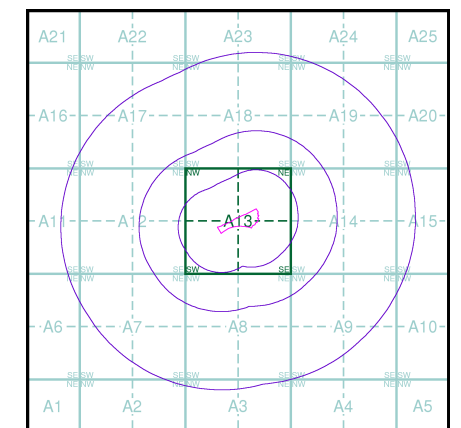
OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

Contours (height in meters)

- Standard Contour  MLW Mean Low Water
- Master Contour  MHW Mean High Water
- Spot Height  167.3

OS Water Network Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Intégral Géotechnique

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Risk of Flooding from Surface Water

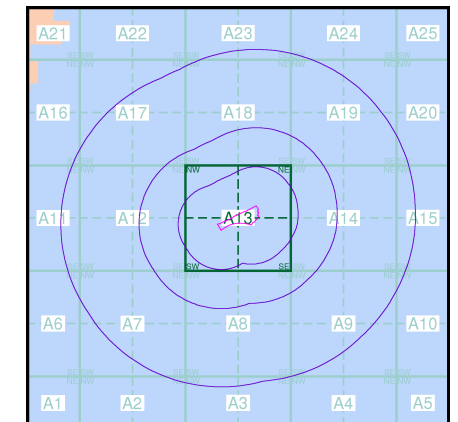
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

E/NRW Suitability Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

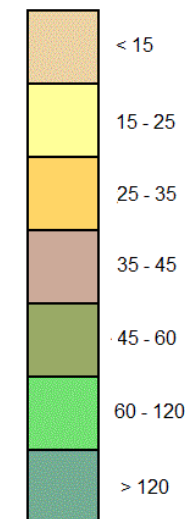
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

General

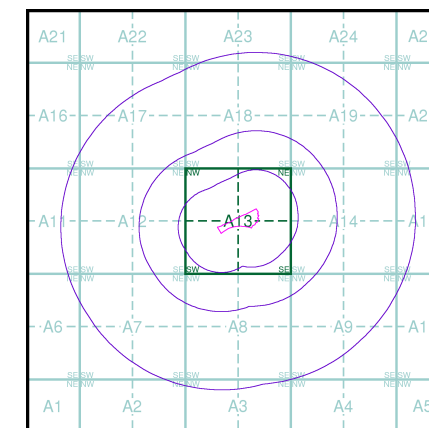
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

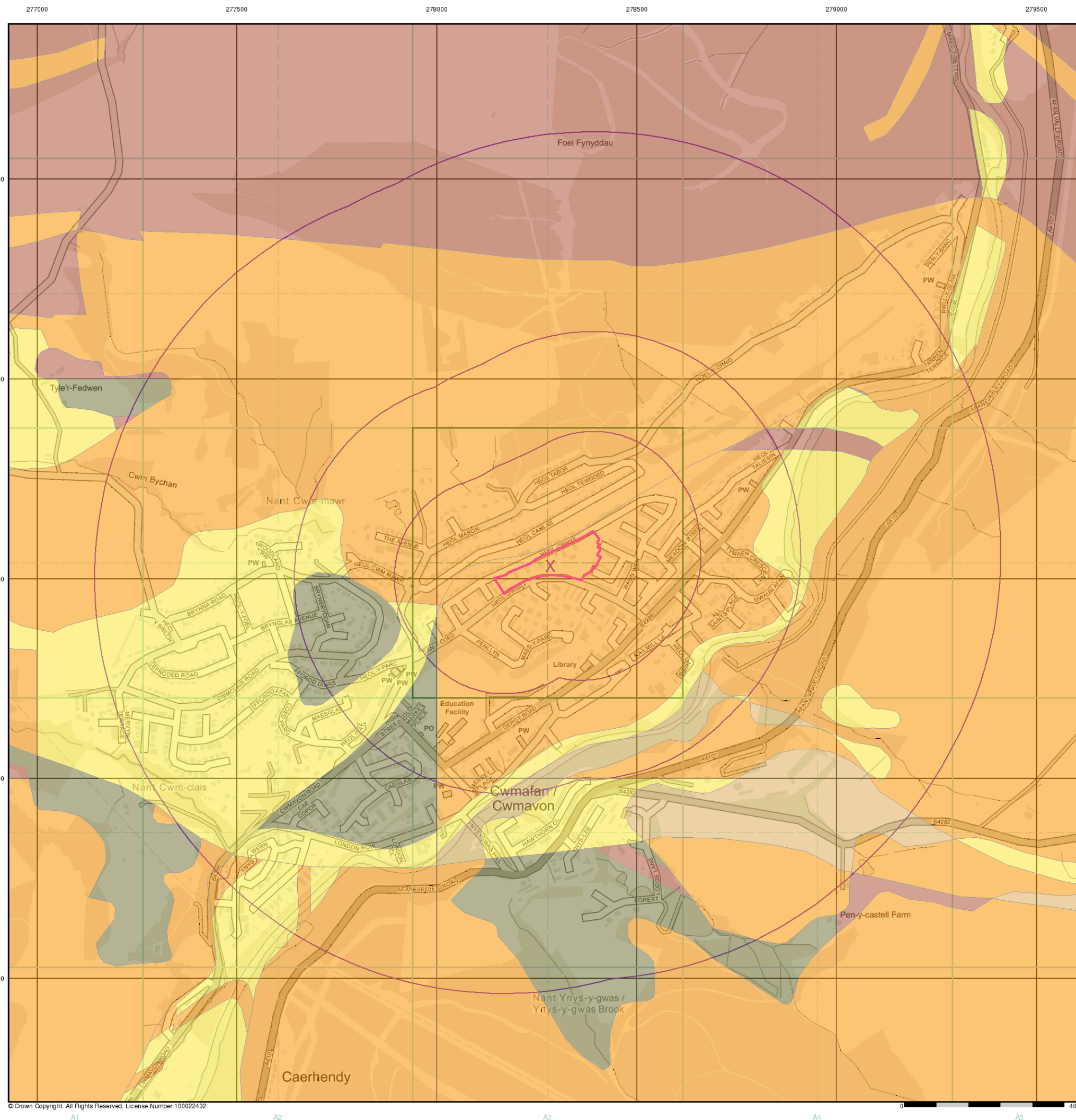


Order Details

Order Details: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA



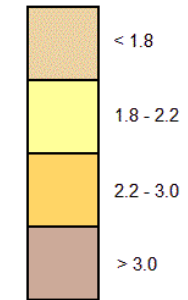
Intégral Géotechnique

General

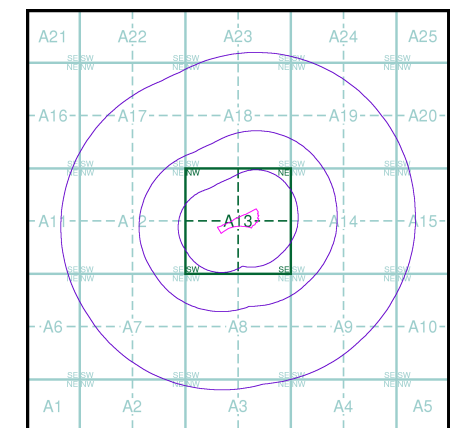
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

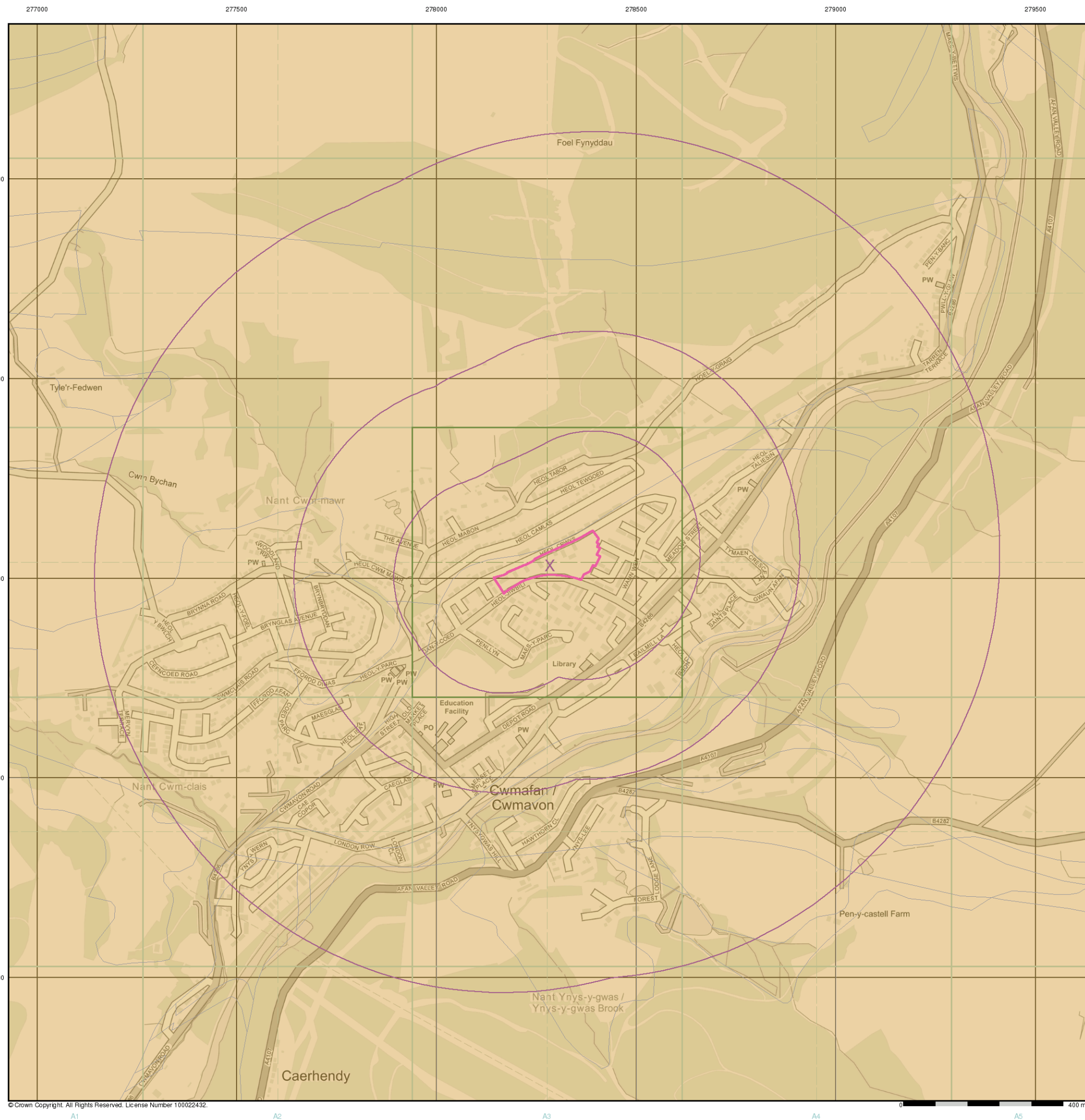
Order Details: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

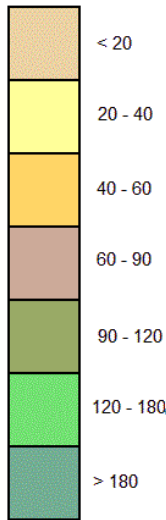


General

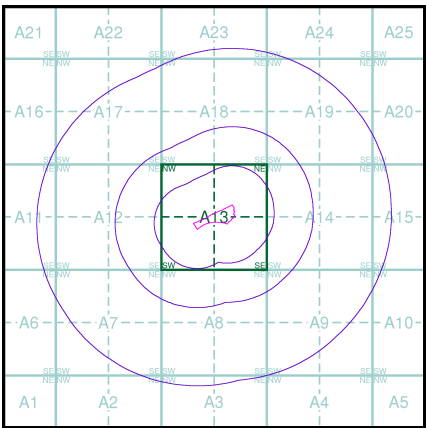
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

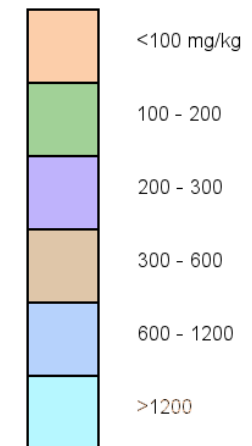
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

General

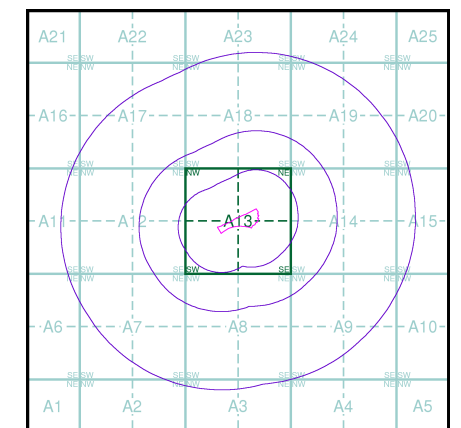
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

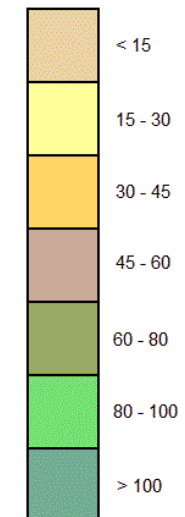
Intégral Géotechnique

General

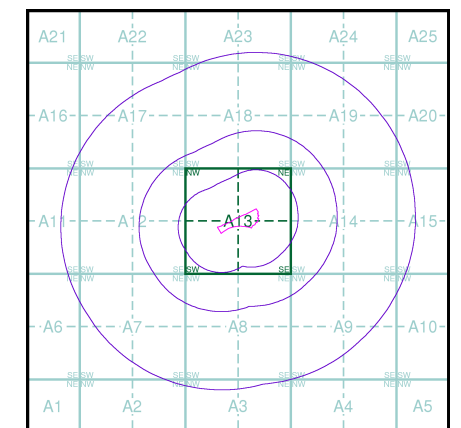
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

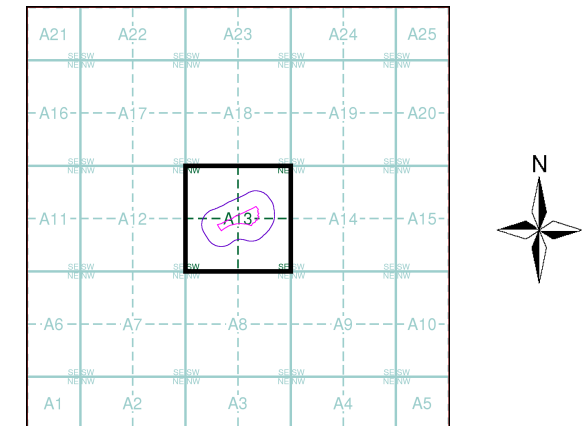
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Intégral Géotechnique

General

- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Types at Location
 - Pylon
 - Overhead Transmission Line
- ## Agency and Hydrological
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- ## Waste
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- ## Hazardous Substances
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- ## Geological
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Plot Buffer (m): 100

Site Details

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Landmark
INFORMATION GROUP

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Not Supplied - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	ALV	Alluvium	Sand and Gravel	Not Supplied - Holocene
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	ALF	Alluvial Fan Deposits	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BD	Brithdir Member	Sandstone	Not Supplied - Westphalian
	BD	Brithdir Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	H	Hughes Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	H	Hughes Member	Sandstone	Not Supplied - Westphalian
	SWUCM	South Wales Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	LLFB	Llynfi Member	Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	RA	Rhondda Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	LLFB	Llynfi Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	RA	Rhondda Member	Sandstone	Not Supplied - Westphalian
	SWMCM	South Wales Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWMCM	South Wales Middle Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	SWLCM	South Wales Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
		Rock Segments		
		Faults		

Intégral Géotechnique

Geology 1:50,000 Maps

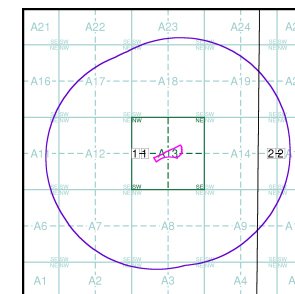
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	2	Map ID:	1
Map Sheet No:	248	Map Sheet No:	247
Map Name:	Pontypridd	Map Name:	Swansea
Map Date:	1960	Map Date:	2011
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Not Available	Artificial Geology:	Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Available	Landslip:	Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

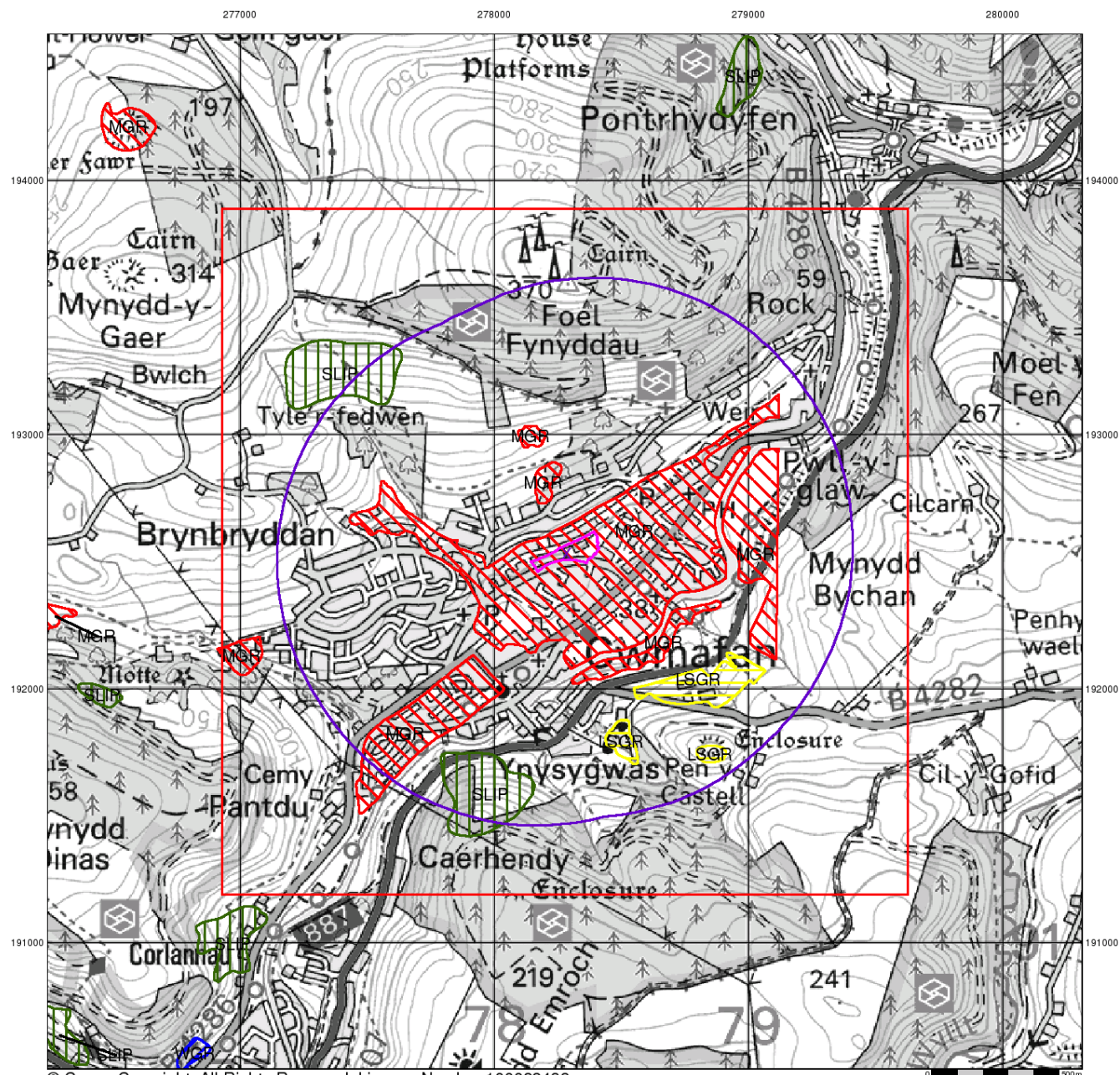


Order Details:

Order Number:	292811731_1_1
Customer Reference:	14023/LP
National Grid Reference:	278280, 192530
Slice:	A
Site Area (Ha):	1.58
Search Buffer (m):	1000

Site Details:

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA



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Intégral Géotechnique

Artificial Ground and Landslip

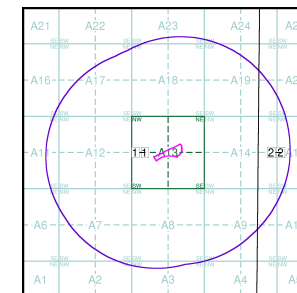
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



Order Details:

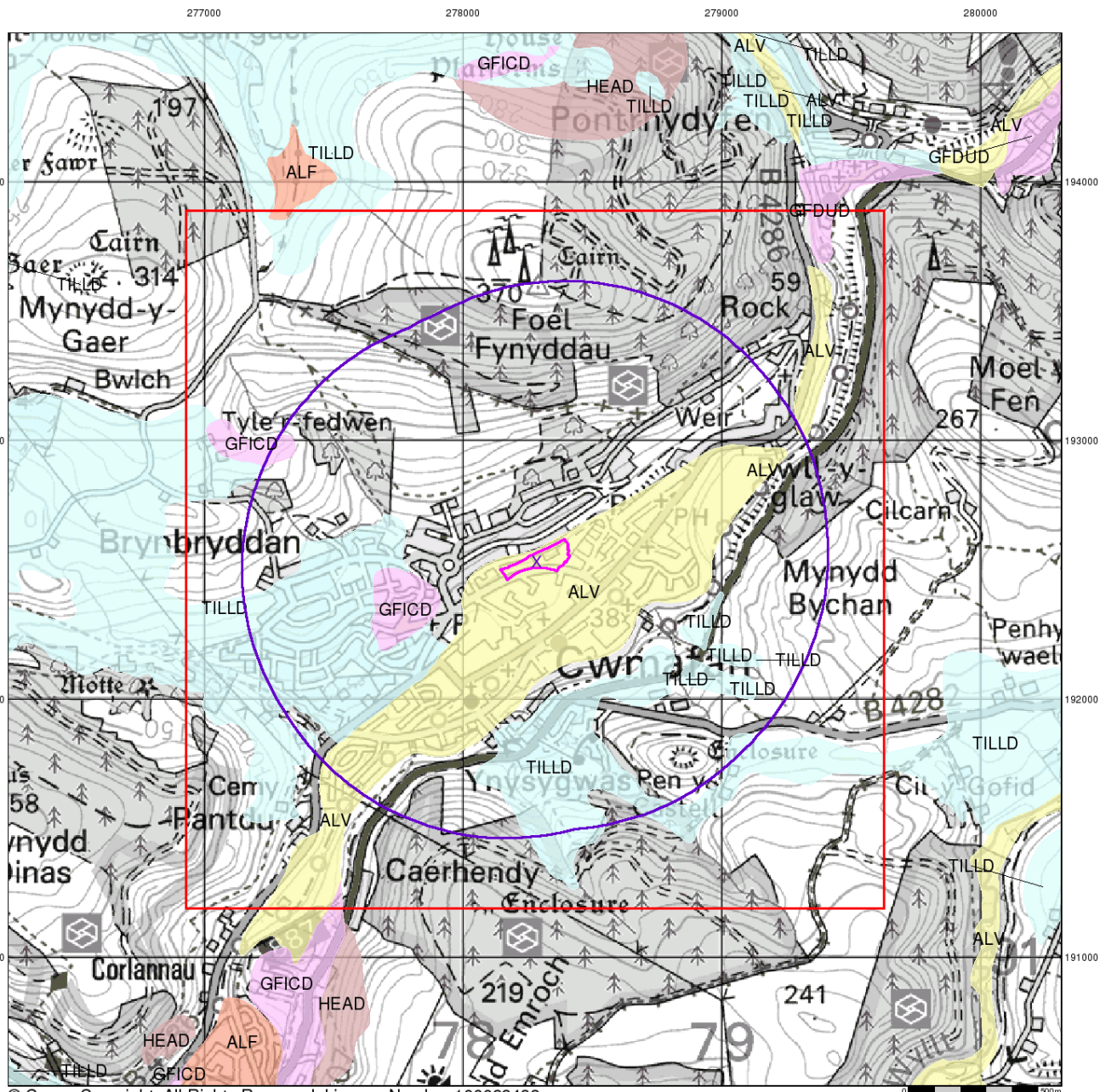
Order Number: 292811731_1_1
Customer Reference: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details:

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INFORMATION GROUP

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Intégral Géotechnique

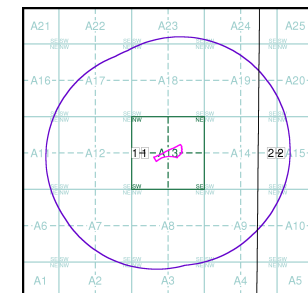
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details:

Order Number: 292811731_1_1
Customer Reference: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
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Site Details:

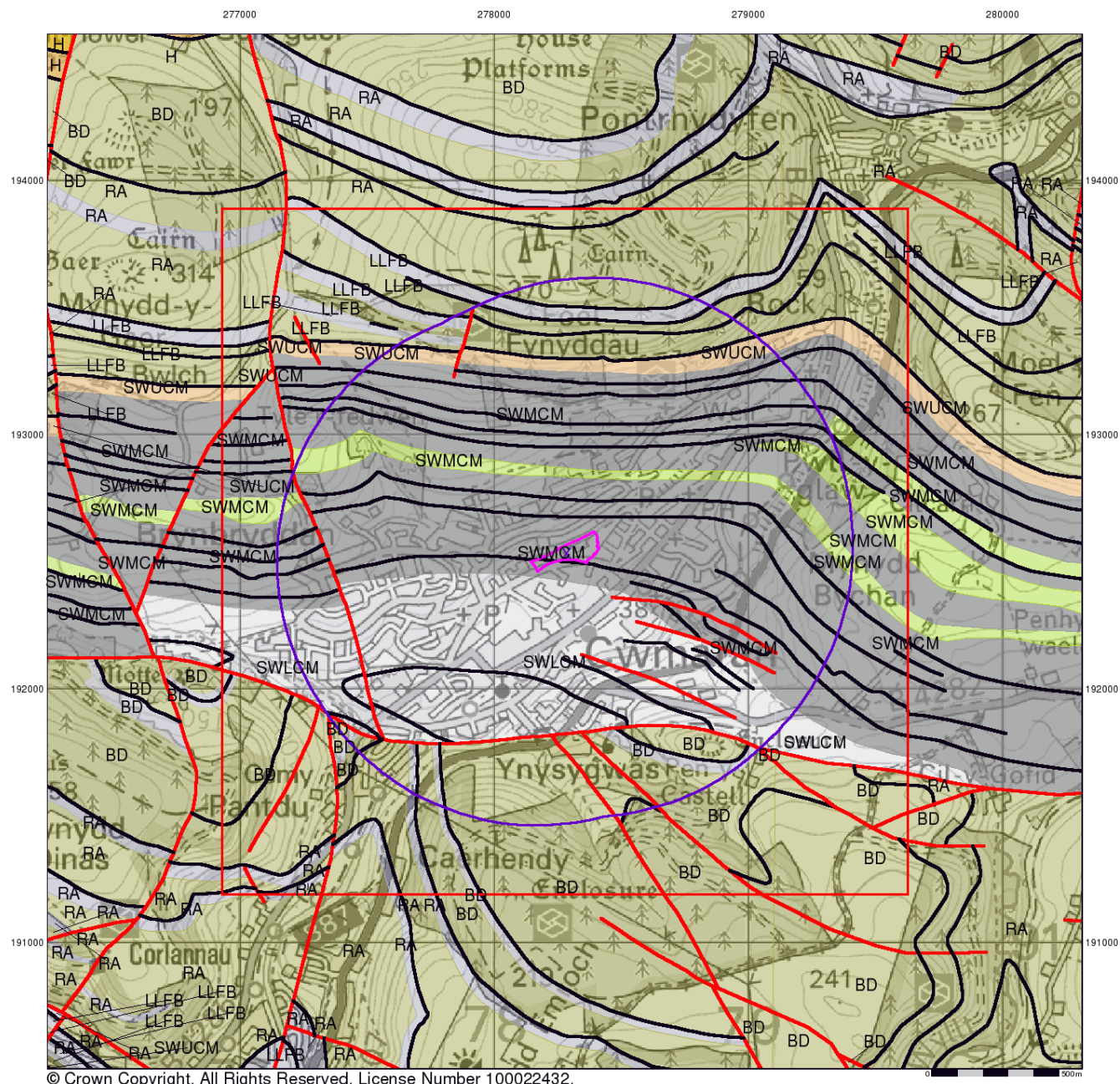
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

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Fax: 0844 844 9951
Web: www.ernirocheck.co.uk

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Page 3 of 5



Intégral Géotechnique

Bedrock and Faults

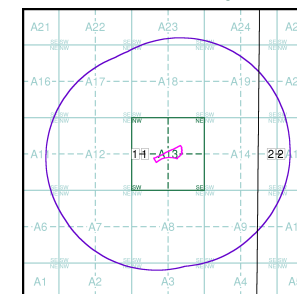
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



Order Details:

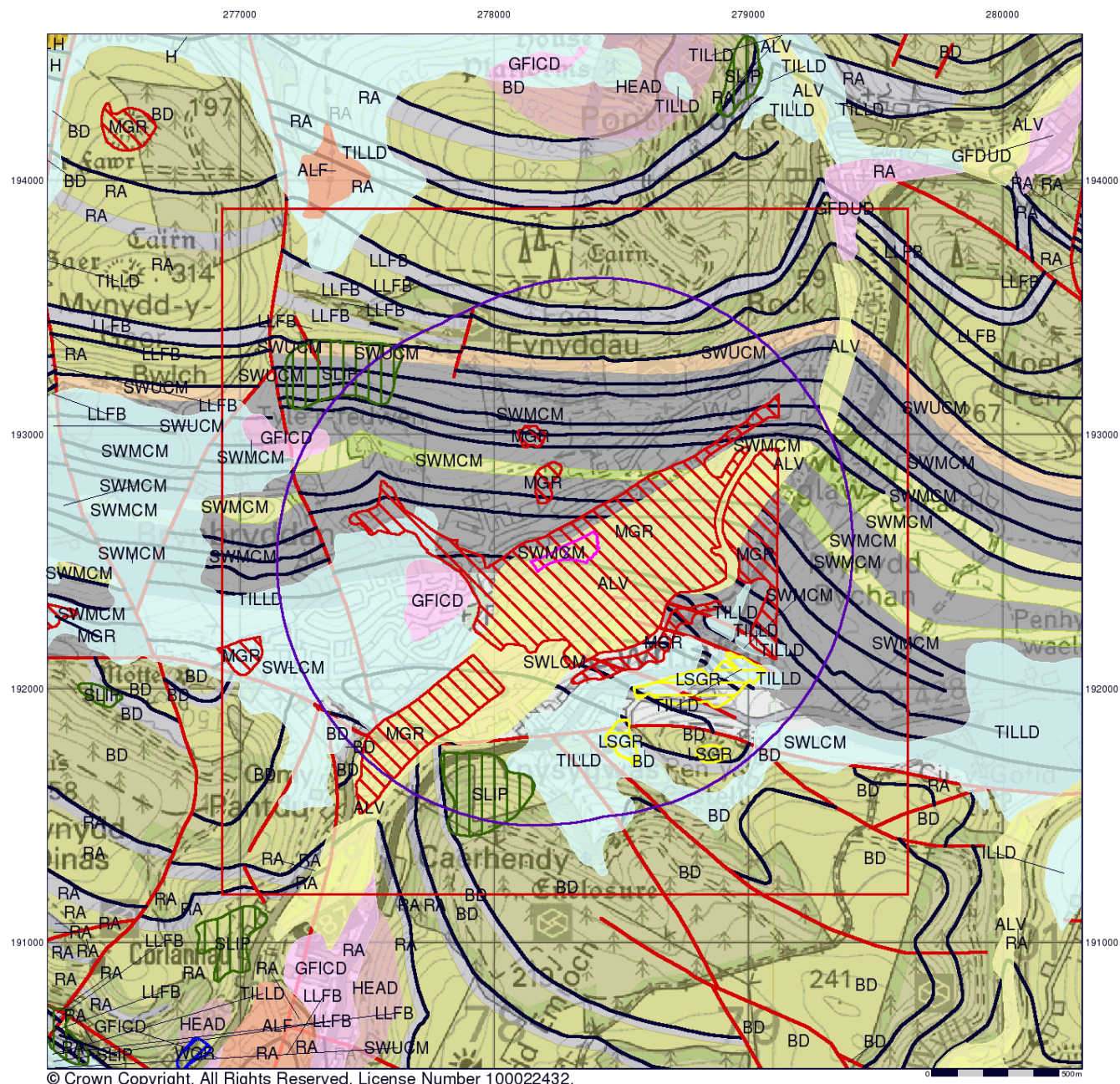
Order Number: 292811731_1_1
Customer Reference: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details:

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

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Intégral Géotechnique

Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

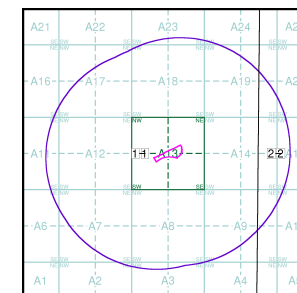
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number: 292811731_1_1
Customer Reference: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
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Site Details:

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Page 5 of 5

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

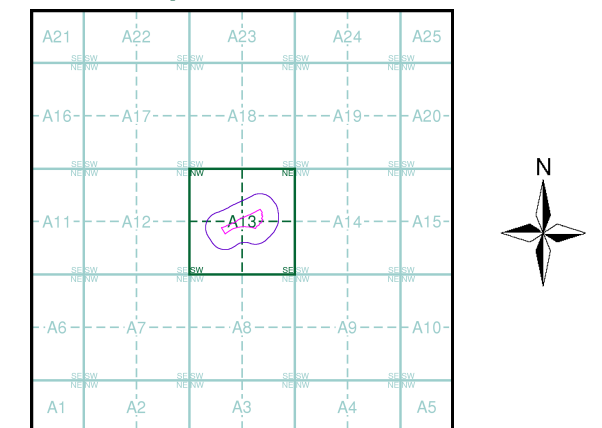
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	2
Glamorganshire	1:10,560	1900	3
Glamorganshire	1:10,560	1921	4
Glamorganshire	1:10,560	1936	5
Glamorganshire	1:10,560	1938 - 1952	6
Historical Aerial Photography	1:10,560	1949	7
Glamorganshire	1:10,560	1951	8
Ordnance Survey Plan	1:10,000	1964	9
Ordnance Survey Plan	1:10,000	1974	10
Ordnance Survey Plan	1:10,000	1980	11
Ordnance Survey Plan	1:10,000	1996	12
10K Raster Mapping	1:10,000	1999	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2021	15

Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

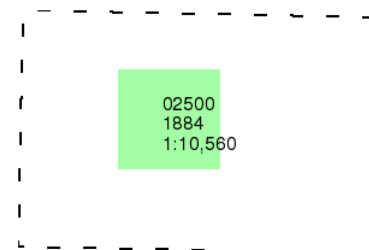
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

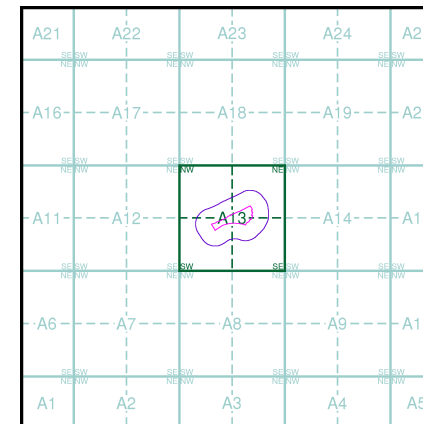
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
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Site Details

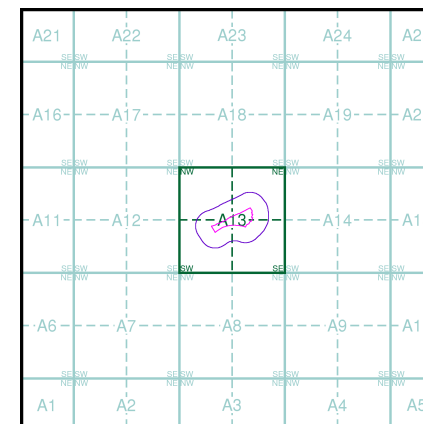
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

025NW 1900 1:10,560	025NE 1900 1:10,560
025SW 1900 1:10,560	025SE 1900 1:10,560

Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
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Site Details

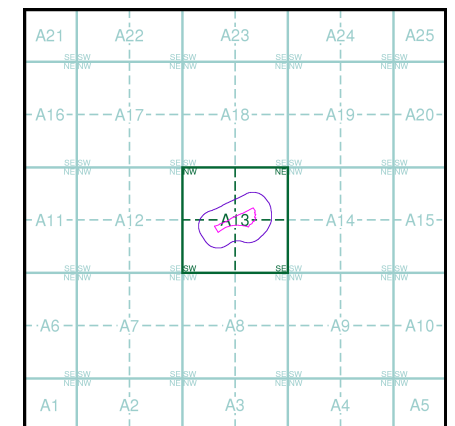
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

025NW 1921 1:10,560	025NE 1921 1:10,560
025SW 1921 1:10,560	025SE 1921 1:10,560

Historical Map - Slice A



Order Details

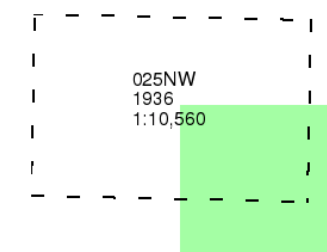
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Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

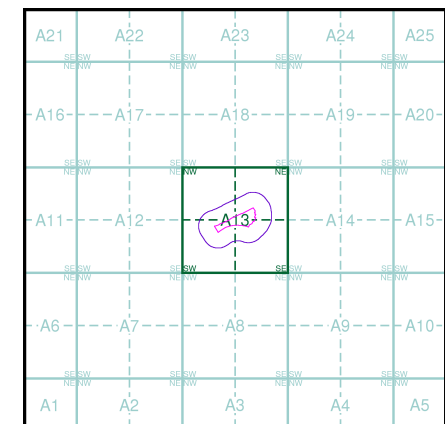
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
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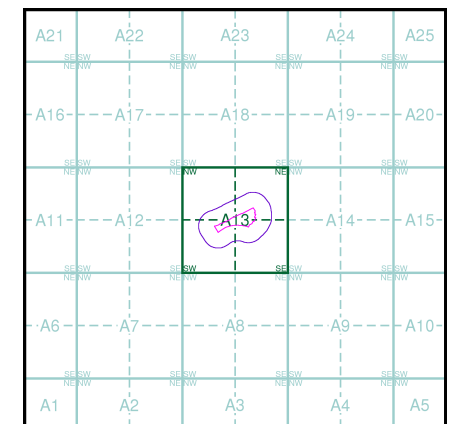
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

025NW 1951 1:10,560	025NE 1951 1:10,560
025SW 1952 1:10,560	025SE 1938 1:10,560

Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Historical Aerial Photography

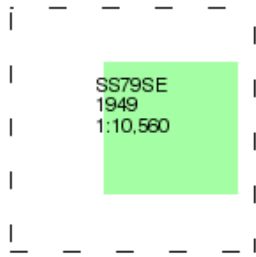
Published 1949

Source map scale - 1:10,560

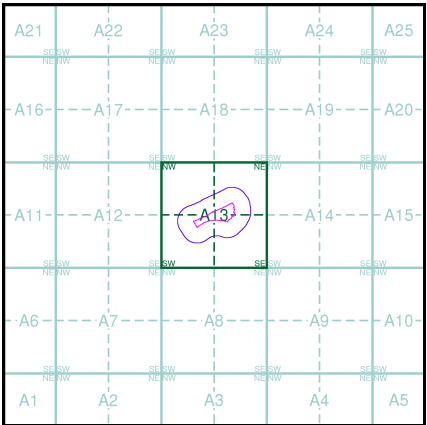
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

© Landmark Information Group and/or Data Suppliers 2010.

Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



Order Details

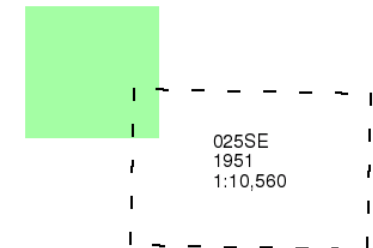
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Site Details

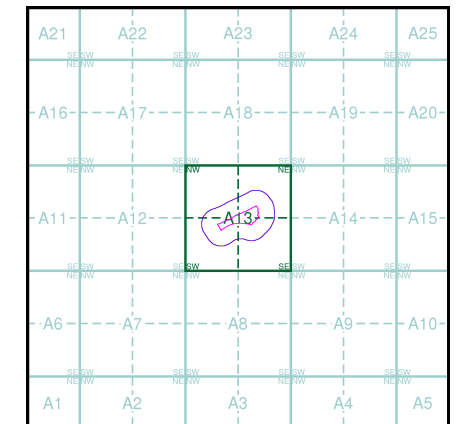
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

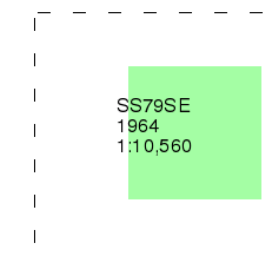
Ordnance Survey Plan

Published 1964

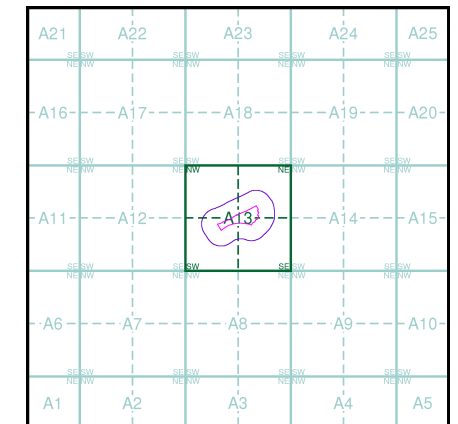
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

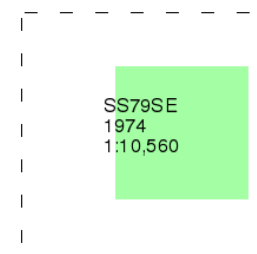
Ordnance Survey Plan

Published 1974

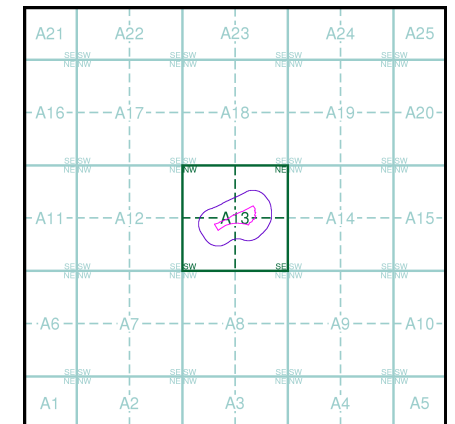
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
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National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
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Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

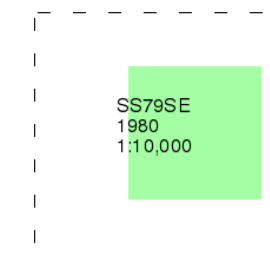
Ordnance Survey Plan

Published 1980

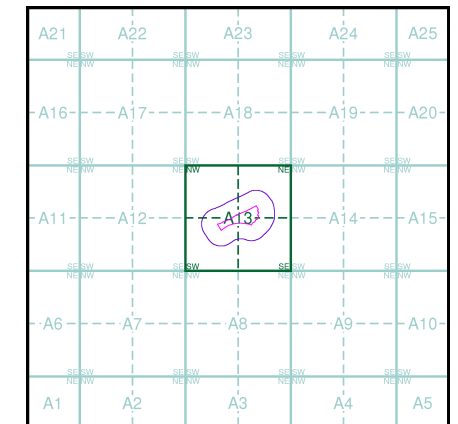
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
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National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

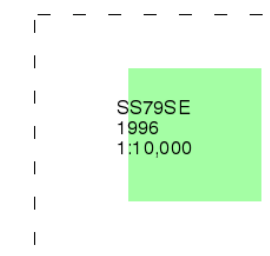
Ordnance Survey Plan

Published 1996

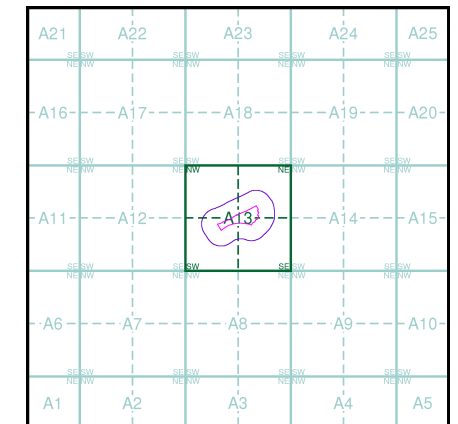
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Intégral Géotechnique

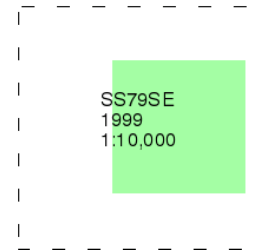
10k Raster Mapping

Published 1999

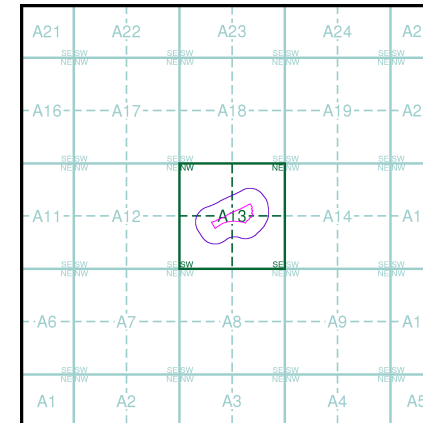
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Intégral Géotechnique

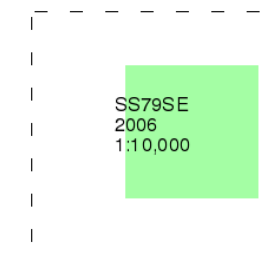
10k Raster Mapping

Published 2006

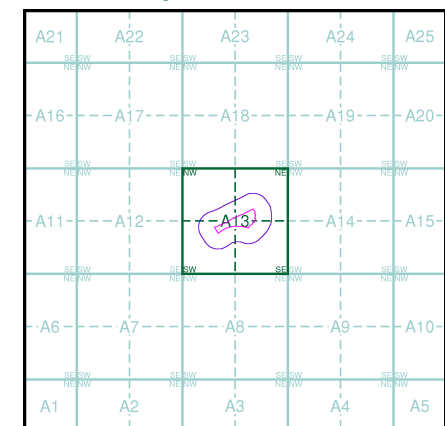
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The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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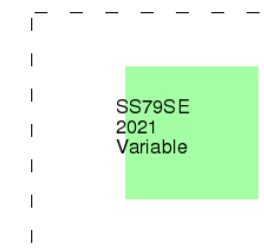
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

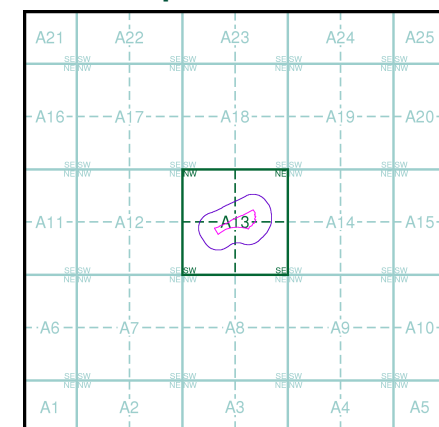
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A

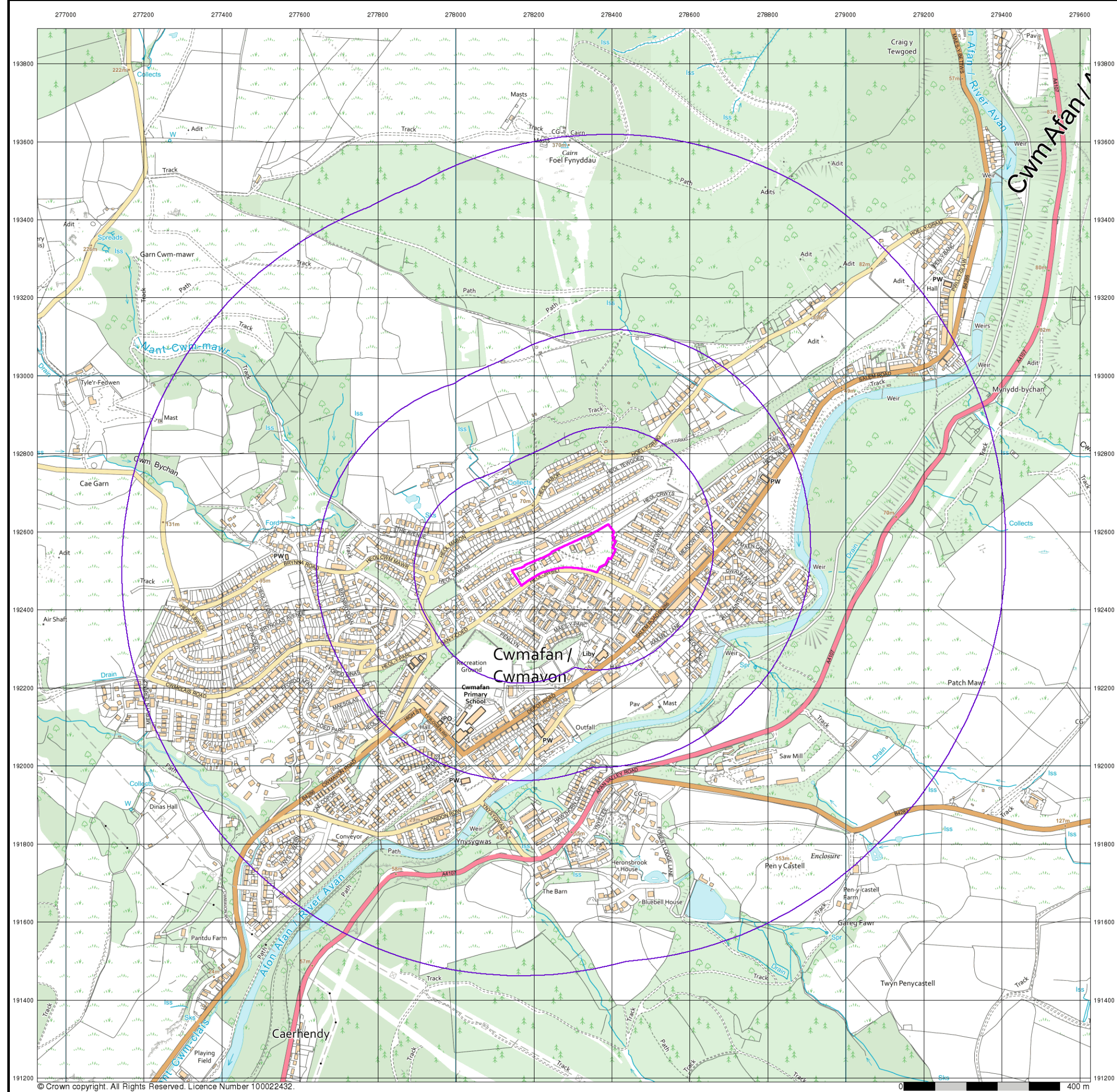


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Customer Ref: 14023/LP
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Slice: A
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Search Buffer (m): 1000

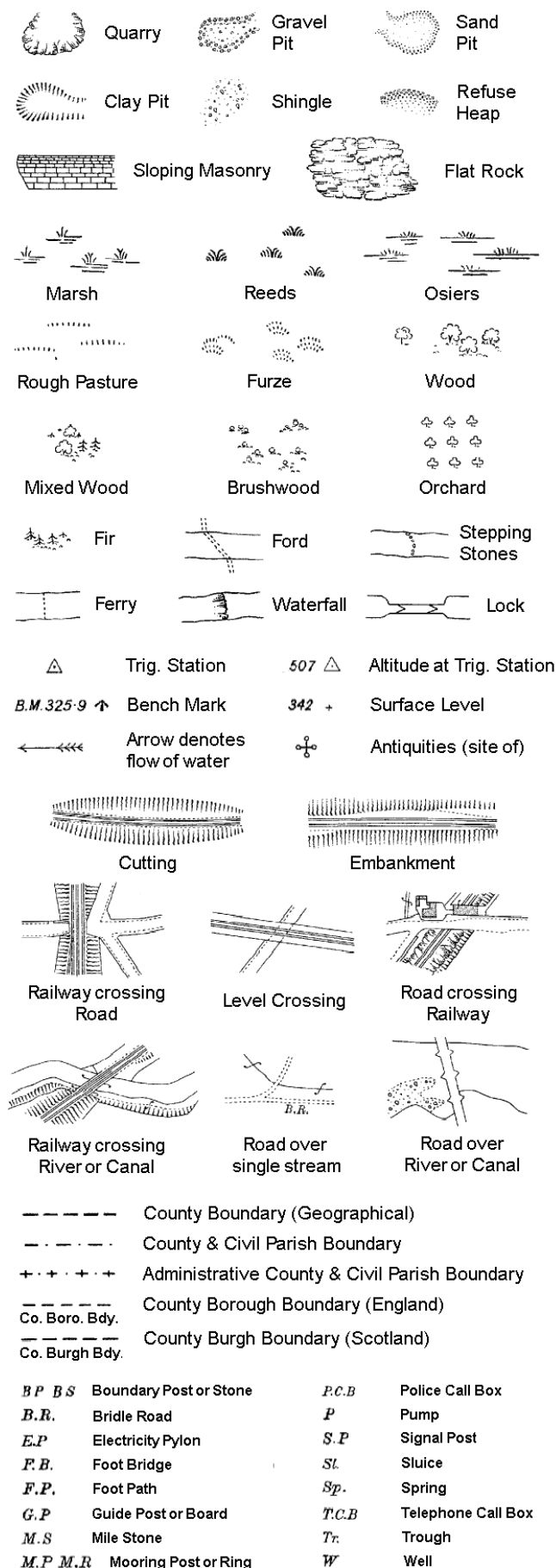
Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA



Historical Mapping Legends

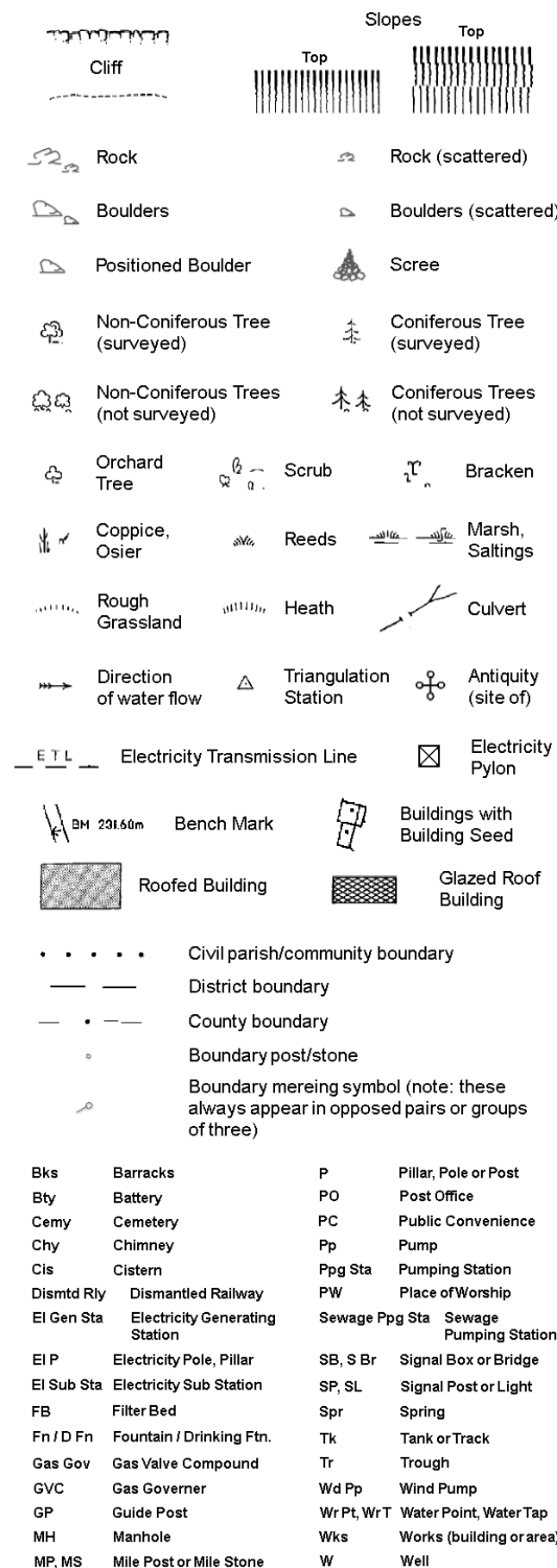
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



Large-Scale National Grid Data 1:2,500 and 1:1,250

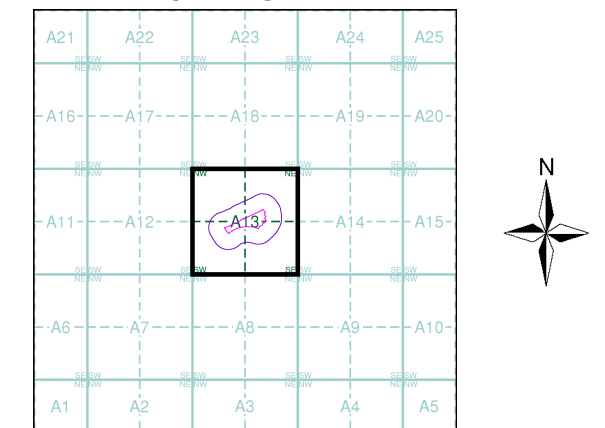


Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1877 - 1878	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1918 - 1919	4
Glamorganshire	1:2,500	1936 - 1937	5
Ordnance Survey Plan	1:2,500	1965 - 1967	6
Ordnance Survey Plan	1:2,500	1969 - 1978	7
Supply of Unpublished Survey Information	1:2,500	1973	8
Ordnance Survey Plan	1:2,500	1975 - 1983	9
Additional SIMs	1:2,500	1978 - 1983	10
Additional SIMs	1:2,500	1984	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1994	13
Historical Aerial Photography	1:2,500	2000	14

Historical Map - Segment A13



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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Intégral Géotechnique

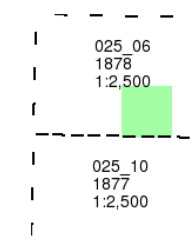
Glamorganshire

Published 1877 - 1878

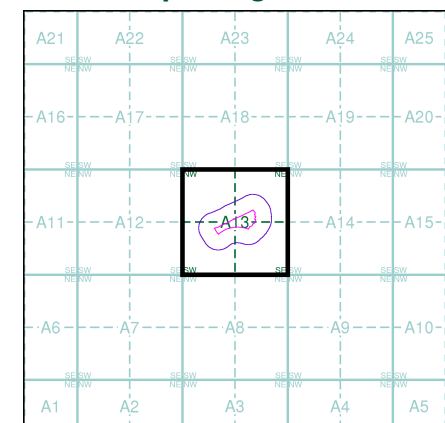
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
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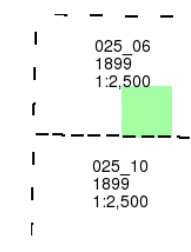
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

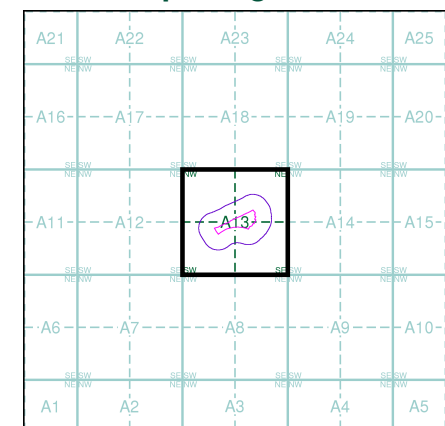
Tel: 0844 844 9952
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Map Name(s) and Date(s)



Historical Map - Segment A13

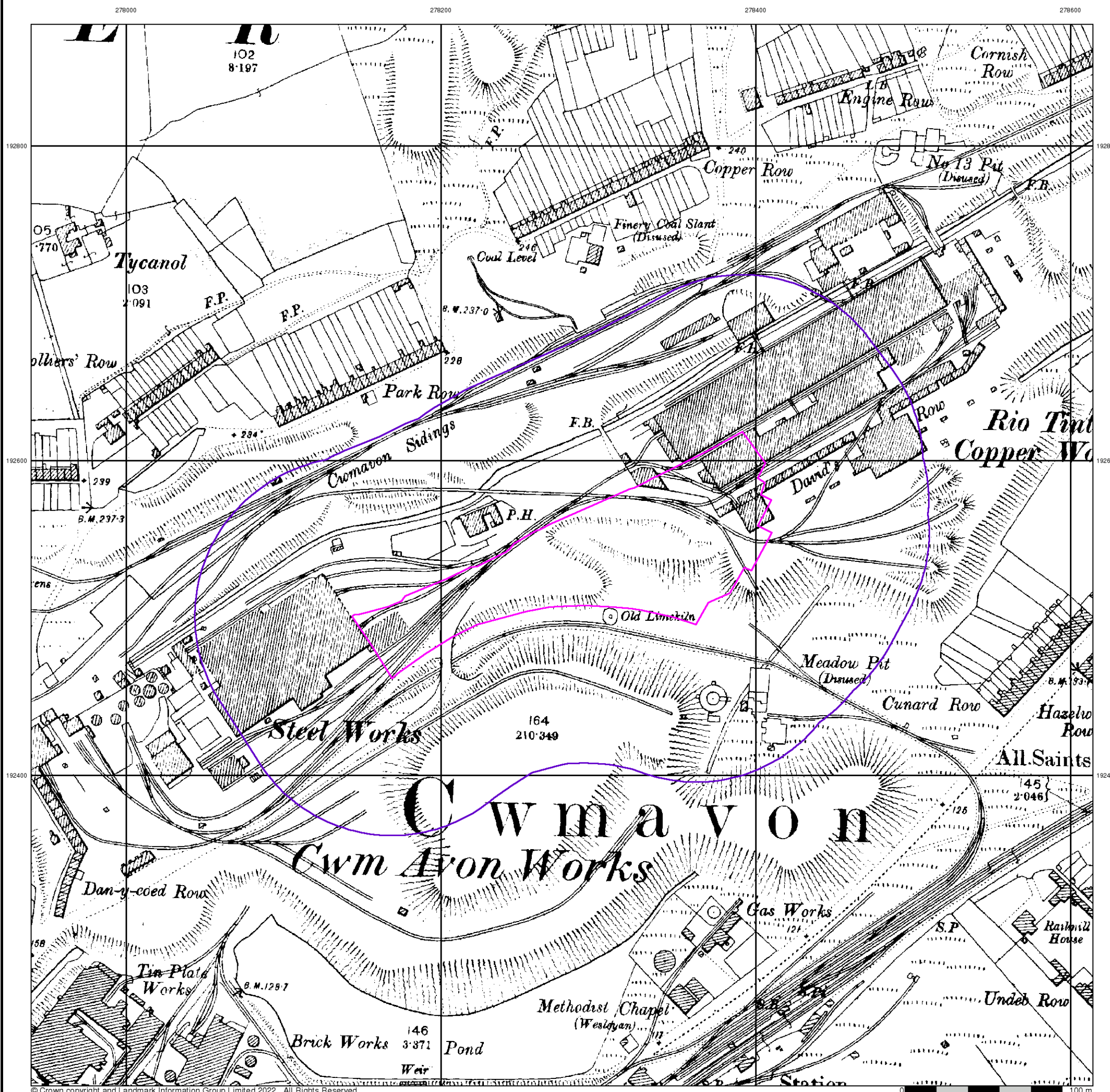


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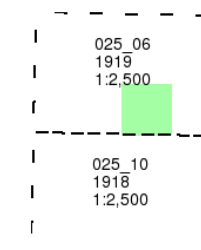
Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

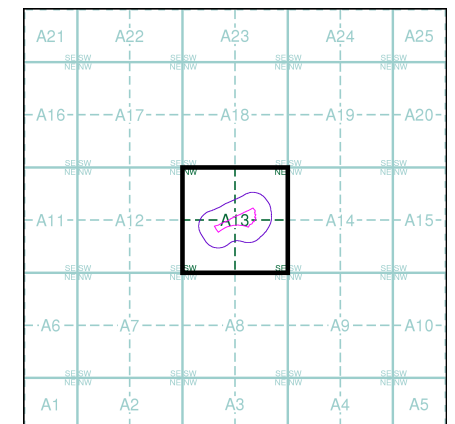


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

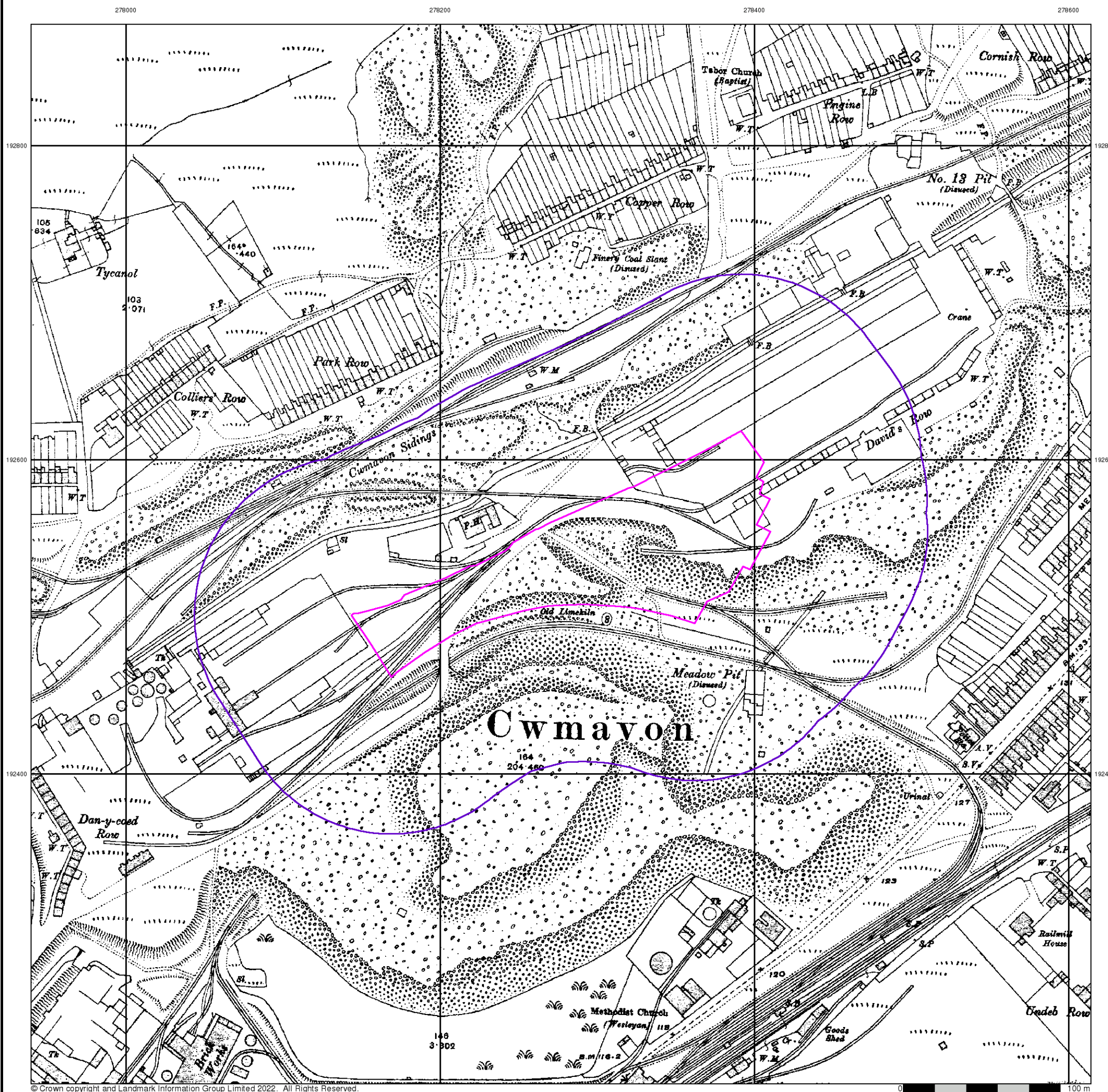


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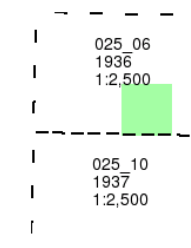
Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

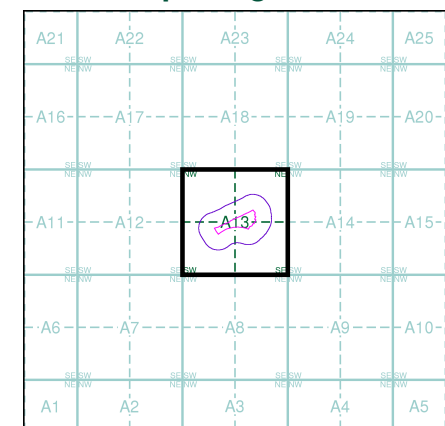


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

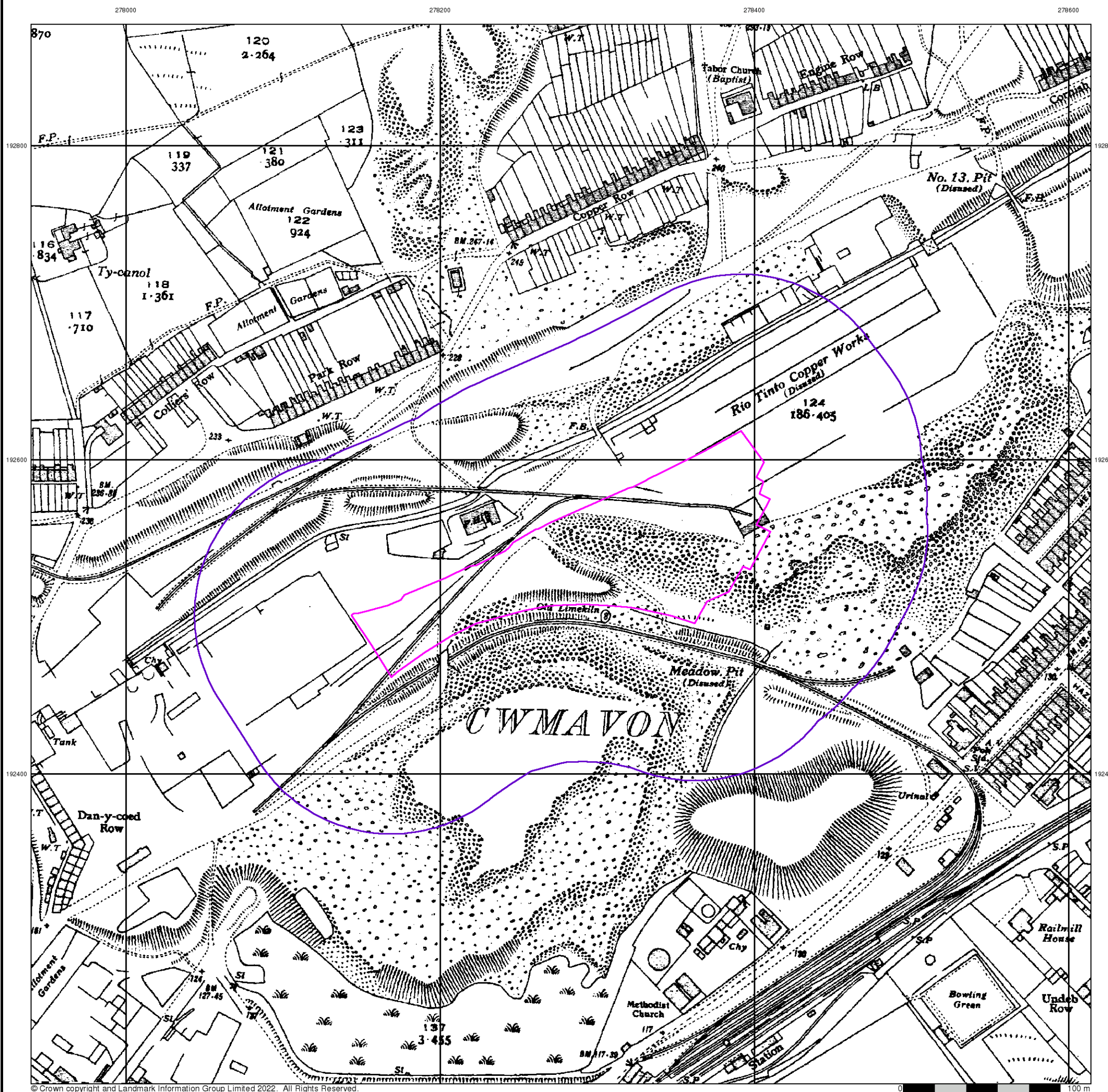


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Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA



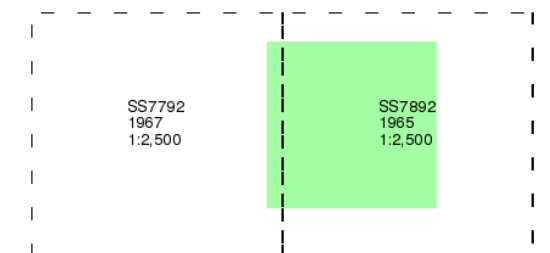
Ordnance Survey Plan

Published 1965 - 1967

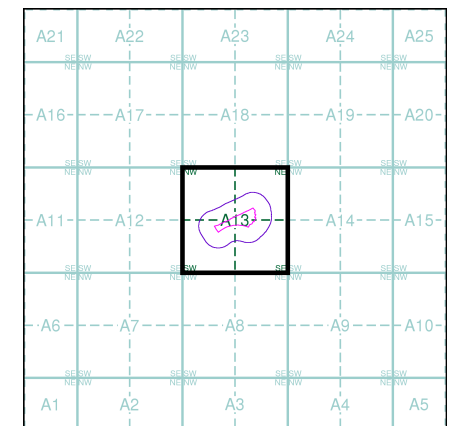
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

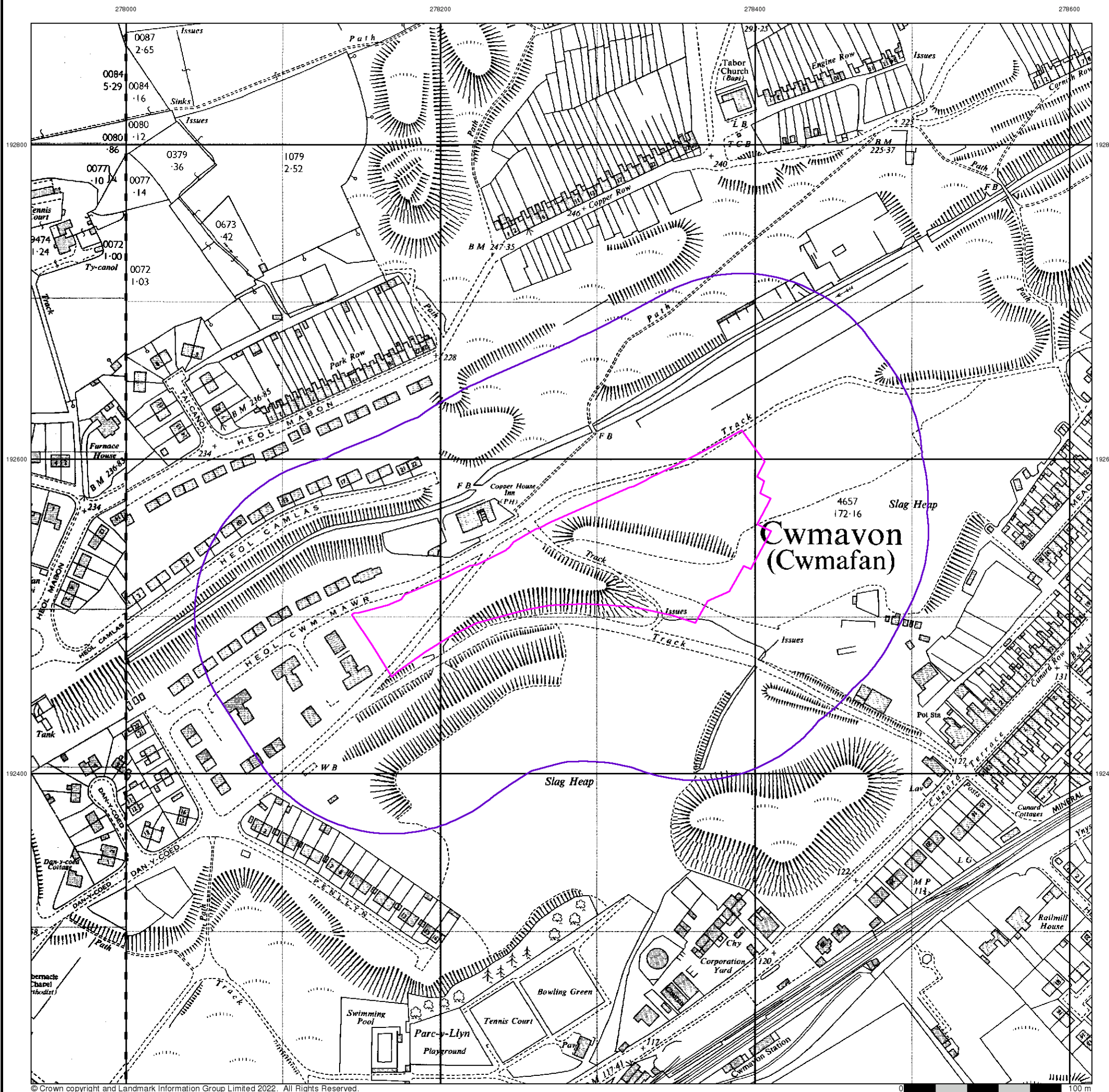


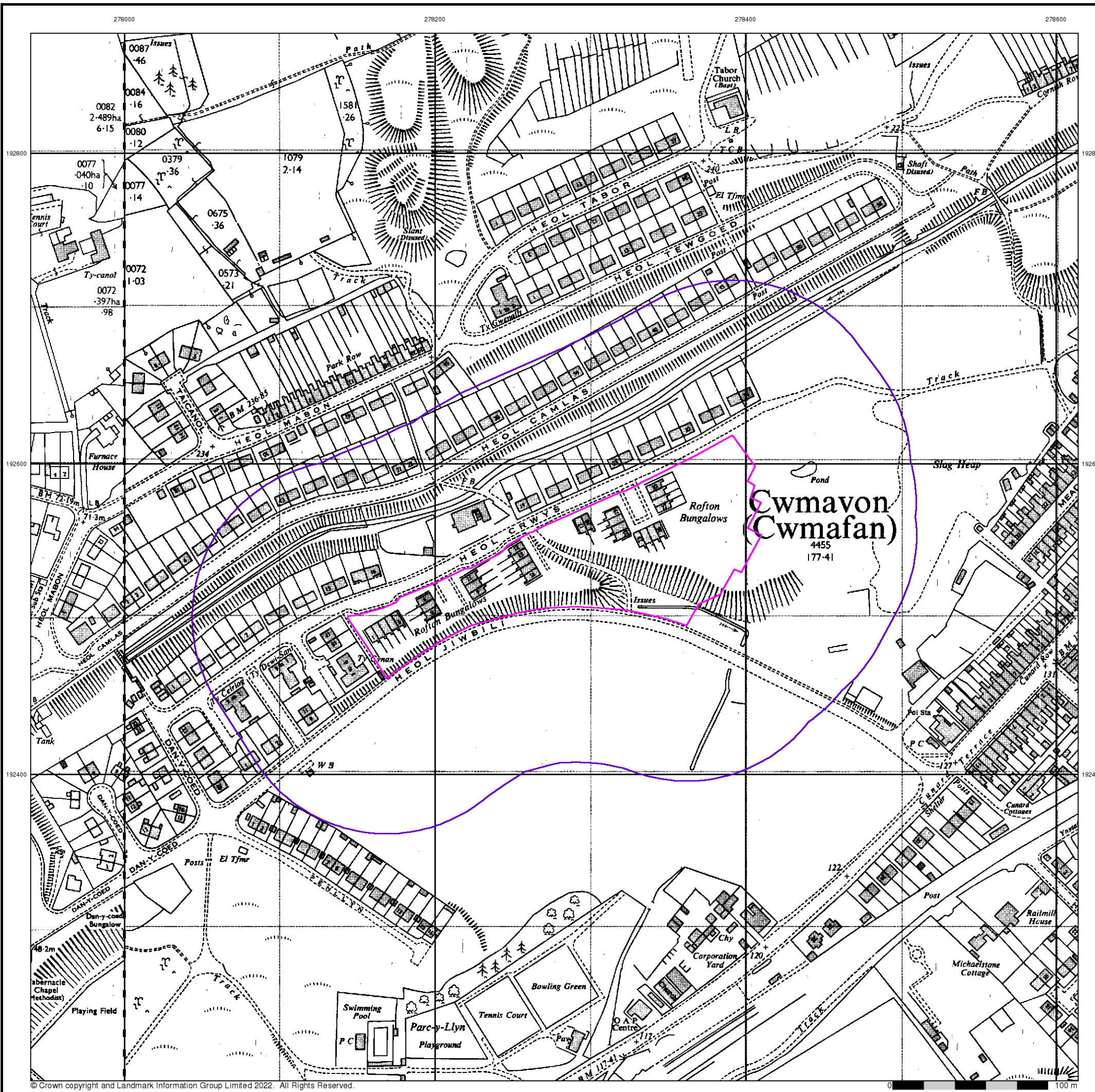
Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA





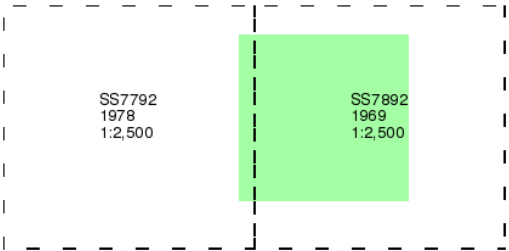
Ordnance Survey Plan

Published 1969 - 1978

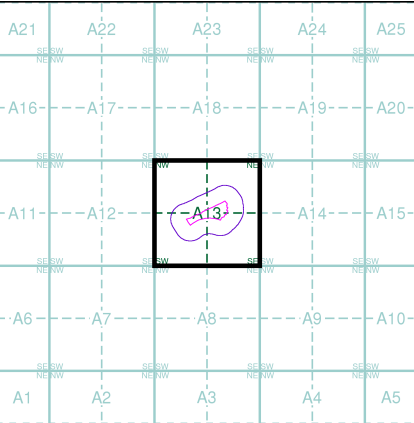
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

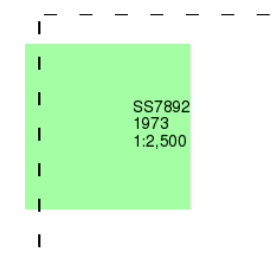
Supply of Unpublished Survey Information

Published 1973

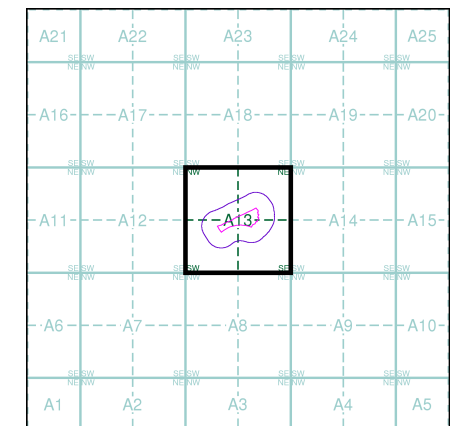
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

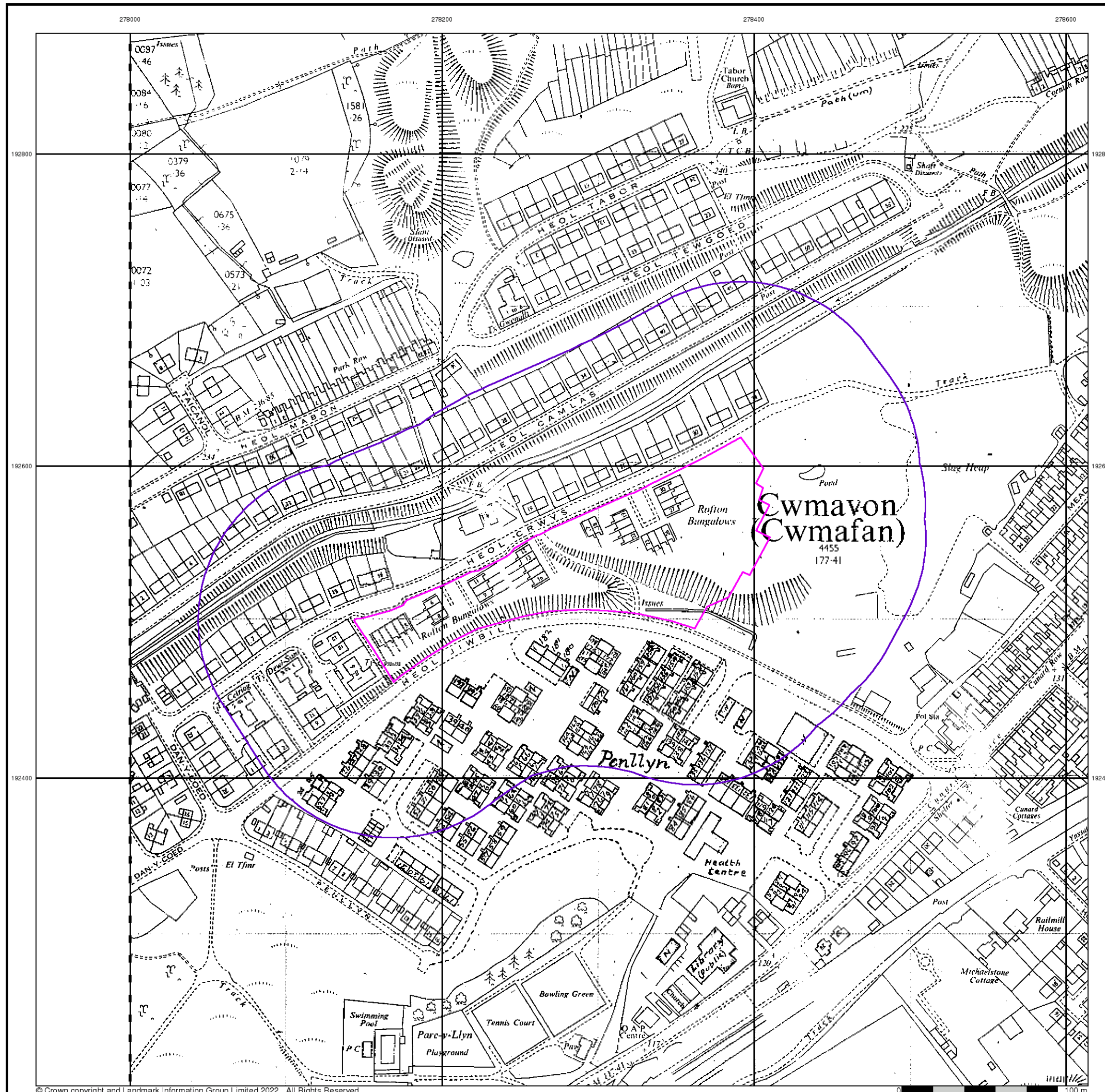


Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA





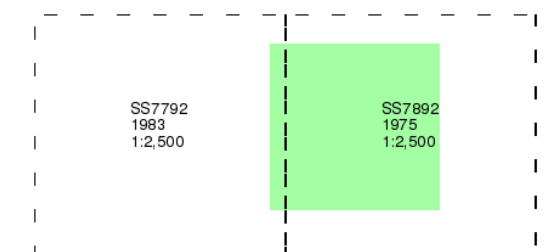
Ordnance Survey Plan

Published 1975 - 1983

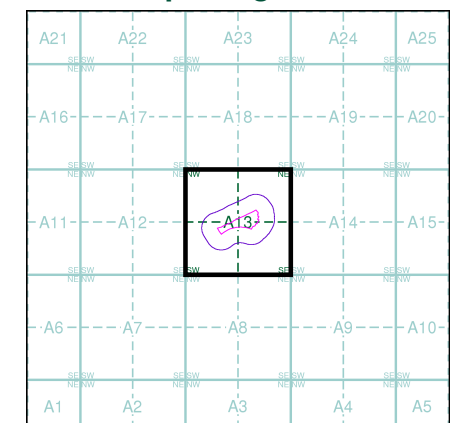
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Details:
Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

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INFORMATION GROUP

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Web: www.envirocheck.co.uk

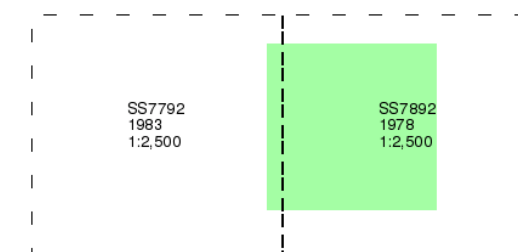
Additional SIMs

Published 1978 - 1983

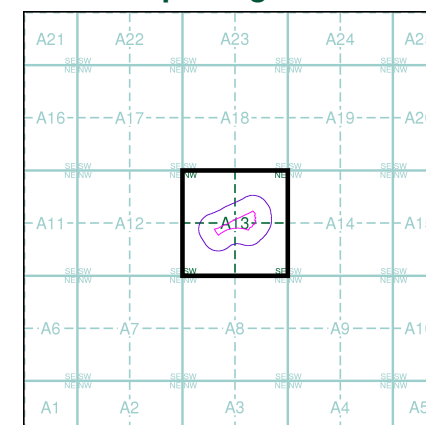
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

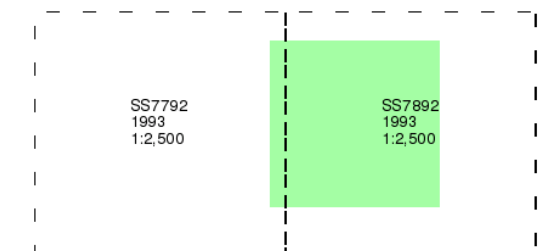
Large-Scale National Grid Data

Published 1993

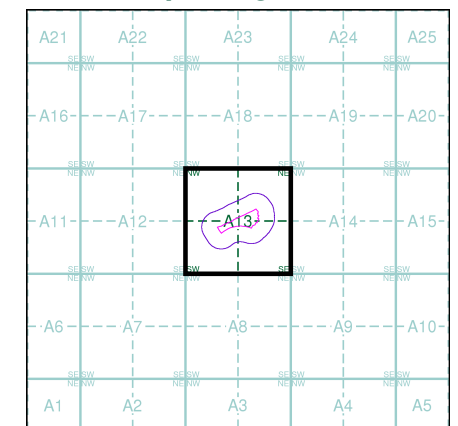
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

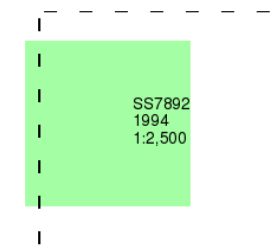
Large-Scale National Grid Data

Published 1994

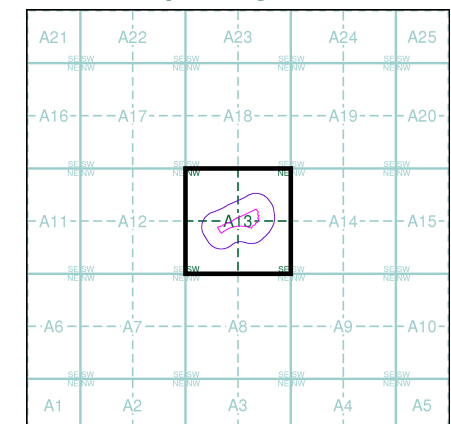
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

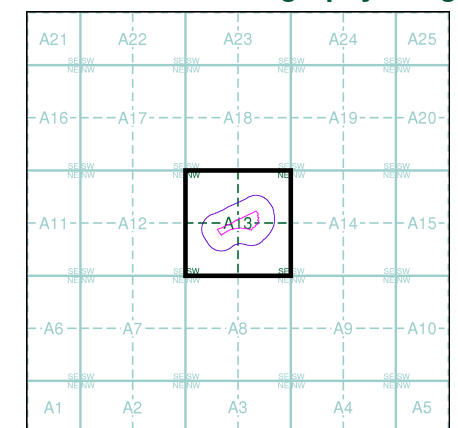
Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

292811731_1_1

Customer Reference:

14023/LP

National Grid Reference:

278280, 192530

Slice:

A

Site Area (Ha):

1.58

Search Buffer (m):

1000

Site Details:

Heol Crwys

Cwmavon

Port Talbot

SA12 9PA

Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	14
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	19
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	24
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	26
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	27
Data Suppliers	28
Useful Contacts	29

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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		2	3	16
Coal Mining Affected Areas	pg 4	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 4	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 4		Yes	n/a	n/a
Potential Mining Areas	pg 4	16	3	24	24
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 14	3	6	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 14	2	10	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 15	2	9	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)	pg 16	2	8	n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 17	2	3	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts	pg 19				2
Disturbed Ground					
General Quarrying	pg 19			1	3
Heap, unknown constituents	pg 19				5
Mineral Railway	pg 19	1	8	16	10
Mining & quarrying general	pg 21				1
Mining of coal & lignite	pg 21	2	4	3	7
Quarrying of sand & clay, operation of sand & gravel pits	pg 22			1	3
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 22	2	3	3	10
Potentially Infilled Land (Water)	pg 23		1		5
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Salt Mining Related Features					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Meadow Pit Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156617 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	67	1	278403 192444
2	BGS Recorded Mineral Sites Site Name: Copper Row Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156572 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (N)	121	1	278349 192731
3	BGS Recorded Mineral Sites Site Name: Tewgoed-Bach Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156571 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	438	1	278124 192974
3	BGS Recorded Mineral Sites Site Name: Tewgoed-Bach Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156570 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	450	1	278158 193003
4	BGS Recorded Mineral Sites Site Name: Railmill House Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156575 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	496	1	278805 192249
5	BGS Recorded Mineral Sites Site Name: Railmill House Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156576 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	533	1	278809 192192

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	BGS Recorded Mineral Sites Site Name: Pen Y Castell Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156646 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	568	1	278583 191973
7	BGS Recorded Mineral Sites Site Name: Pen Y Castell Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156649 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	639	1	278813 192044
8	BGS Recorded Mineral Sites Site Name: Cwm-Mawr Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156573 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (NW)	666	1	277576 192848
9	BGS Recorded Mineral Sites Site Name: Maesmelyn Colliery Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156671 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	696	1	278984 192156
10	BGS Recorded Mineral Sites Site Name: Railmill House Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156596 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	702	1	279072 192321
11	BGS Recorded Mineral Sites Site Name: Tormynydd Location: Port Talbot, Neath Port Talbot Source: British Geological Survey, National Geoscience Information Service Reference: 188773 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	731	1	278943 193097

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	BGS Recorded Mineral Sites Site Name: Tormynydd Location: Port Talbot, Neath Port Talbot Source: British Geological Survey, National Geoscience Information Service Reference: 188774 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	743	1	278984 193066
13	BGS Recorded Mineral Sites Site Name: Mynydd Bychan Location: Pwll-Y-Glaw, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156522 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	801	1	279208 192495
14	BGS Recorded Mineral Sites Site Name: Craig Colliery Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156611 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Upper Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	807	1	278846 193285
15	BGS Recorded Mineral Sites Site Name: Pen Y Castell Gravel Pit Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156672 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	854	1	278884 191820
16	BGS Recorded Mineral Sites Site Name: Patch-Mawr Level Location: Pwll-Y-Glaw, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156548 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	878	1	279248 192294
17	BGS Recorded Mineral Sites Site Name: Craig Colliery Location: Cwmafan, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156612 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Upper Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	907	1	278956 193327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	BGS Recorded Mineral Sites Site Name: Mynydd Bychan Location: Pwll-Y-Glaw, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156547 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A15NW (E)	933	1	279343 192551
19	BGS Recorded Mineral Sites Site Name: Cwm Avan Location: Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156670 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	964	1	277750 191594
20	BGS Recorded Mineral Sites Site Name: Pen Y Castell Gravel Pit Location: Cwmafan, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156647 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8SE (S)	990	1	278578 191530
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (NE)	0	2	278284 192533
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (NE)	0	3	278284 192533
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	41	1	278265 192409
21	Potential Mining Areas Name: Cwmavon Ceased Operation: Not Supplied Commodity: Coal; Lower Four Feet; Big; Finery; Coal and Mine Reference: Not Supplied Alternate: Balance Nos. 11, 12 Name/Mine: W.E.C. Thomas, Brynhafod, Neath. Custodian:	A13SE (NE)	0	4	278284 192533
22	Potential Mining Areas Name: Cwmavon Ceased Operation: 1863 Commodity: Coal; Lower Four Feet Ironstone Reference: Not Supplied Alternate: Balance Nos. 11, 12 Name/Mine: Baldwins Ltd., 45 Wind Street, Swansea. Custodian:	A13SE (NE)	0	4	278284 192533
23	Potential Mining Areas Name: Cwmavon Ceased Operation: 1863 Commodity: Coal; Lower Four Feet; Five Feet; Four Feet; Yard; Tasker Ironstone; Jack; "A"; Lower Balls Reference: Not Supplied Alternate: Wern No. 1 Name/Mine: Baldwins Ltd., 45 Wind Street, Swansea. Custodian:	A13SE (NE)	0	4	278284 192533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Potential Mining Areas Name: Cwmavon Ceased Operation: 1906 Commodity: Coal; Sulphury or Two Feet Nine Reference: 5038 Alternate Name/Mine: Ynysafan (Ynisavon) Custodian: Not Supplied	A13SE (NE)	0	4	278284 192533
25	Potential Mining Areas Name: Cwmavon Ceased Operation: 1881 Commodity: Coal; Big; Finery; Upper Four Feet Reference: Not Supplied Alternate Name/Mine: Finery Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A13NE (N)	0	4	278285 192598
26	Potential Mining Areas Name: Cwmavon Ceased Operation: 1891 Commodity: Coal; Finery; Upper Four Feet; Big; Lower Four Feet; Four and Five Feet; Yard; Clay; Sulphur; Balance; Coal and Mine Reference: 2680 Alternate Name/Mine: Finery Alternate Name/Mine: Meadow Custodian: Not Supplied	A13SE (NE)	0	4	278284 192533
27	Potential Mining Areas Name: Cwmavon Ceased Operation: 1881 Commodity: Coal; Upper Four Feet; Finery; Four and Five Feet; Clay; Yard Reference: Not Supplied Alternate Name/Mine: Meadow Custodian: Not Supplied	A13SE (NE)	0	4	278284 192533
28	Potential Mining Areas Name: Cwmavon Ceased Operation: 1903 Commodity: Coal; Golden Rider Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Hood and Richards, 5 Pembroke Terrace, Cardiff.	A13SE (NE)	0	4	278284 192533
29	Potential Mining Areas Name: Cwmavon Ceased Operation: 1903 Commodity: Coal; Golden; Golden Rider Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Forster Brown and Rees, Guildhall Chambers, Cardiff.	A13SE (NE)	0	4	278284 192533
30	Potential Mining Areas Name: Ynisavon Ceased Operation: 1850 Commodity: Coal; Clay; Cwm Byr; Ironstone; Upper Cockshott; New Mine; Black Band Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: W.E.C. Thomas, Brynhafod, Neath.	A13SE (NE)	0	4	278284 192533
31	Potential Mining Areas Name: Ynisavon Ceased Operation: 1873 Commodity: Coal; Upper Four Feet; Golden; Clay Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A13SE (NE)	0	4	278284 192533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Potential Mining Areas Name: Cwmavon Ceased Operation: Not Supplied Commodity: Coal; Finery; Tormynidd; Golden; Lower Four Feet; Four Feet; Jonah; Cwm Byr; Big; Clay; Hard; Sulphur; Ironstone; Big Reference: Not Supplied Alternate: Bryn Name/Mine: Cwm Mawr Alternate: Meadow Name/Mine: No. 13 Alternate: Tewgoed Name/Mine: Tewgoed Bach Alternate: Tusker Name/Mine: Wern Alternate: Ynisavon Name/Mine: Ynisdavid Custodian: (i) Forster Brown and Rees, Guildhall Chambers, Cardiff. (ii) Lawrence, Davies and Causton, 6 Park Place, Cardiff.	A13SE (NE)	0	4	278284 192533
33	Potential Mining Areas Name: Cwmavon Ceased Operation: 1862 Commodity: Coal; Big; Yard; Four and Five Feet; Upper Four Feet; Clay; Balance Reference: Not Supplied Alternate: No. 13 or Engine Name/Mine: Baldwins Ltd., 45 Wind Street, Swansea. Custodian:	A13SE (NE)	0	4	278284 192533
34	Potential Mining Areas Name: Tewgoed; or No. 4 Ceased Operation: 1855 Commodity: Coal; Tormynydd; Clay; Cwm Byr; White; Golden Rider; Golden; Sulphury; Ironstone; Cockshott; Big Reference: Not Supplied Alternate: Not Supplied Name/Mine: W.E.C. Thomas, Brynhafod, Neath. Custodian:	A13NE (N)	0	4	278285 192598
35	Potential Mining Areas Name: Tewgoed or Craig-y-Tewgoed (Graig-y-Tewgoed) Ceased Operation: 1910 Commodity: Coal; Finery; Four Feet; Jonah; White Cwm Mawr; Cwm Byr; Tormynydd; Clay Reference: Not Supplied Alternate: Not Supplied Name/Mine: Forster Brown and Rees, Guildhall Chambers, Cardiff. Custodian:	A13NE (NE)	0	4	278343 192597
36	Potential Mining Areas Name: Ynysavon Ceased Operation: 1916 Commodity: Coal and Ironstone; Big; Little; Clay; Four Feet; Five Feet; Cockshot; Cockshot Lower; Finery; Rider; Sulphur; Yard; Golden; New; Jack; Penrhyn Reference: 10962 Alternate: Carn Name/Mine: Cwmbont Alternate: Maesmelyn Name/Mine: Nos. 2, 5, 9 (Upper), 21, 24, 38 Alternate: Victoria Name/Mine: Ynisdavid Name/Mine: Ynisdavid Custodian: Not Supplied	A13NE (NE)	0	4	278343 192597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Potential Mining Areas Name: Tewgoed Ceased Operation: 1860 Commodity: Coal; Cwm Byr; Clay; Tormynydd Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A13NE (N)	4	4	278285 192598
38	Potential Mining Areas Name: Cwmavon Ceased Operation: 1854 Commodity: Coal; Upper Four Feet; Lower Four Feet; Big; Sulphury; Finery; Five Feet; Coal and Mine Ironstone; Jack; Pen-y-Rhyn Reference: Not Supplied Alternate: Wern No. 1 Name/Mine: Custodian: W.E.C. Thomas, Brynhafod, Neath.	A12NE (W)	206	4	277939 192540
39	Potential Mining Areas Name: Cwm Mawr Ceased Operation: 1927 Commodity: Coal; Golden Reference: 8824 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (W)	229	4	277941 192606
40	Potential Mining Areas Name: Cwmavon or Maesmelyn Ceased Operation: Not Supplied Commodity: Coal; Four Feet; Five Feet; Yard; Clay; Ironstone; Spotted Pins; Jack Reference: Not Supplied Alternate: Cwm Bont Name/Mine: Custodian: (i) Forster Brown and Rees, Guildhall Chambers, Cardiff. (ii) Lawrence, Davies and Causton, 6 Park Place, Cardiff. Baldwins Ltd., 45 Wind Street, Swansea.	A8NW (S)	264	4	278277 192196
41	Potential Mining Areas Name: Cwmavon Ceased Operation: Not Supplied Commodity: Coal; Clay Reference: Not Supplied Alternate: Clay Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A8NE (S)	302	4	278334 192195
42	Potential Mining Areas Name: Maesmelyn Ceased Operation: 1866 Commodity: Coal; Four Feet; Five Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A8NE (S)	302	4	278334 192195
43	Potential Mining Areas Name: Maesmelyn Ceased Operation: 1932 Commodity: Coal; Clay; Little; Four Feet and Five Feet Reference: 11548 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A8NE (S)	302	4	278334 192195

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Potential Mining Areas Name: Cwmavon Ceased Operation: Not Supplied Commodity: Coal; Four Feet; Clay; Finery; Sulphur Ironstone; New Mine; Cockshott Reference: Not Supplied Alternate: Bryn Gyrrnos Name/Mine: Carn Alternate: Cockshott Name/Mine: Cockshott Upper Alternate: Middle No. 9 Name/Mine: Truro Alternate: Upper No. 9 Name/Mine: Ynisdavid Custodian: (i) Forster Brown and Rees, Guildhall Chambers, Cardiff. (ii) Lawrence, Davies and Causton, 6 Park Place, Cardiff.	A14SW (E)	334	4	278743 192523
45	Potential Mining Areas Name: Cwmavon Ceased Operation: 1872 Commodity: Coal; Big; Five Feet; Lower Four Feet; Balance; Upper Four Feet; Finery; Sulphury Reference: Not Supplied Alternate: Ynisdavid Name/Mine: Baldwins Ltd., 45 Wind Street, Swansea. Custodian:	A14SW (E)	334	4	278743 192523
46	Potential Mining Areas Name: Cwmavon Ceased Operation: 1867 Commodity: Coal; Five Feet; Lower Four Feet Reference: Not Supplied Alternate: No. 21 Name/Mine: Baldwins Ltd., 45 Wind Street, Swansea. Custodian:	A14SW (E)	334	4	278743 192523
47	Potential Mining Areas Name: Ynyslas Ceased Operation: 1925 Commodity: Coal; Four Feet Reference: 8456 Alternate: Not Supplied Name/Mine: Not Supplied Custodian:	A14SW (E)	334	4	278743 192523
48	Potential Mining Areas Name: Ynyslas Ceased Operation: 1926 Commodity: Coal; Nine Feet or Big; Clay; Five Feet; Coal and Mine; Little Reference: 9159 Alternate: Not Supplied Name/Mine: Not Supplied Custodian:	A14SW (E)	334	4	278743 192523
49	Potential Mining Areas Name: Eagle Ceased Operation: 1934 Commodity: Coal; Finery; Four Feet; Nine Feet Reference: 11567 Alternate: Not Supplied Name/Mine: Not Supplied Custodian:	A14SW (E)	334	4	278743 192523
50	Potential Mining Areas Name: Cwmavon Ceased Operation: 1876 Commodity: Coal; Finery; Rider Reference: Not Supplied Alternate: Middle No. 9 Name/Mine: Baldwins Ltd., 45 Wind Street, Swansea. Custodian:	A14NW (E)	336	4	278745 192588

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Potential Mining Areas Name: Craig-y-Tewgoed (Graig-y-Tewgoed) Ceased Operation: 1885 Commodity: Coal; Tormynydd Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Ed. Daniel and Co., Worcester Chambers, Swansea.	A18SE (N)	380	4	278351 192999
52	Potential Mining Areas Name: Craig-y-Tewgoed (Graig-y-Tewgoed) Ceased Operation: 1864 Commodity: Coal; Jonah; White; Clay Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A18SE (N)	380	4	278351 192999
53	Potential Mining Areas Name: Craig-y-Tewgoed (Graig-y-Tewgoed) Ceased Operation: 1842 Commodity: Coal; Wernddu Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Ed. Daniel and Co., Worcester Chambers, Swansea.	A18SE (N)	380	4	278294 193000
54	Potential Mining Areas Name: Tewgoed Ceased Operation: 1936 Commodity: Coal; Jonah; White Reference: 11845 Alternate: Byass Name/Mine: Custodian: Not Supplied	A18SE (N)	380	4	278351 192999
55	Potential Mining Areas Name: Tewgoed Ceased Operation: 1899 Commodity: Coal; Clay; Jonah; White Reference: 3987 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A18SE (N)	380	4	278351 192999
56	Potential Mining Areas Name: Tormynydd Rhondda Ceased Operation: 1921 Commodity: Coal; No.3 Rhondda; White; Jonah Reference: 7333 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A18SE (N)	380	4	278351 192999
57	Potential Mining Areas Name: Tewgoed Bach Ceased Operation: 1853 Commodity: Coal; Tormynydd; White; Clay; Black; Rider; Cwm Byr Reference: Not Supplied Alternate: No. 5 Name/Mine: Custodian: W.E.C. Thomas, Brynhafod, Neath.	A18SE (N)	380	4	278294 193000
58	Potential Mining Areas Name: Tewgoed Ceased Operation: 1930 Commodity: Coal; Cwm Byr Reference: 10127 Alternate: Tewgoed Old Name/Mine: Custodian: Not Supplied	A18SE (N)	380	4	278351 192999
59	Potential Mining Areas Name: Tewgoed Ceased Operation: 1862-1912 Commodity: Coal; Jonah; White; Tormynydd Reference: 10750 Alternate: Byass Name/Mine: Custodian: Not Supplied	A18SE (N)	380	4	278351 192999

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	Potential Mining Areas Name: Graig-y-Tewgoed (Craig-y-Tewgoed) Ceased Operation: 1912 Commodity: Coal; Cwm Mawr; Cwm Byr; Jonah; White; Tormynydd Reference: 6168 Alternate: Daniel's Name/Mine: Custodian: Not Supplied	A18SE (N)	380	4	278351 192999
61	Potential Mining Areas Name: Cwmavon Ceased Operation: Not Supplied Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Cwm Bont Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A9NW (SE)	483	4	278736 192186
62	Potential Mining Areas Name: Maesmelyn Ceased Operation: 1926 Commodity: Coal; Lower Four Feet Reference: 9096 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A9NW (SE)	483	4	278736 192186
63	Potential Mining Areas Name: Maesmelyn Ceased Operation: 1928 Commodity: Coal; Clay; Cwmbont Reference: 9738 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A9NW (SE)	483	4	278736 192186
64	Potential Mining Areas Name: Cwmavon Ceased Operation: 1851 Commodity: Ironstone; Sulphury Reference: Not Supplied Alternate: No. 10 Name/Mine: Custodian: W.E.C. Thomas, Brynhafof, Neath.	A12NW (W)	608	4	277537 192549
65	Potential Mining Areas Name: Cwm Mawr Ceased Operation: 1891 Commodity: Coal; White; Tormynydd; Clay; Cwm Byr; Cwm Mawr; Black Golden; Cockshot Reference: 2680A Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12NW (W)	616	4	277538 192614
66	Potential Mining Areas Name: Cwm Mawr Ceased Operation: Not Supplied Commodity: Ironstone; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: W.E.C. Thomas, Brynhafof, Neath.	A12NW (W)	616	4	277538 192614
67	Potential Mining Areas Name: Cwm Mawr Ceased Operation: 1880 Commodity: Coal; Cwm Mawr; Cwm Byr Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A12NW (W)	616	4	277538 192614
68	Potential Mining Areas Name: Cwm Mawr Ceased Operation: 1933 Commodity: Coal; Cockshot; Golden; New Rider; Black; Cwm Mawr; Cwmbyr; Clay; Clay Rider; White; Tormynydd Reference: 11015 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12NW (W)	616	4	277538 192614

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	Potential Mining Areas Name: Dinas Ceased Operation: 1933 Commodity: Coal; Cwmbont Reference: 11190 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A12SW (SW)	679	4	277530 192212
70	Potential Mining Areas Name: Eagle Brickworks Ceased Operation: 1929 Commodity: Coal; Nine Feet Reference: 9989 Alternate Name/Mine: Truro Old Custodian: Not Supplied	A14SE (E)	737	4	279146 192514
71	Potential Mining Areas Name: Margam Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A14SE (E)	737	4	279146 192514
72	Potential Mining Areas Name: Eagle Ceased Operation: 1930 Commodity: Coal; Four Feet or Upper Four Feet Reference: 10435 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A14SE (E)	737	4	279146 192514
73	Potential Mining Areas Name: Cwmavon Ceased Operation: 1882 Commodity: Coal; Golden; Cwm Mawr; Cwm Byr; Clay; Tormynydd; Jonah Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Wales and Phillips, Prudential Chambers, Swansea.	A14NE (E)	738	4	279147 192580
74	Potential Mining Areas Name: Cwmavon Ceased Operation: Not Supplied Commodity: Coal; Golden Reference: Not Supplied Alternate Name/Mine: No. 24 Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A14NE (E)	738	4	279147 192580
75	Potential Mining Areas Name: Cwmavon Ceased Operation: Not Supplied Commodity: Coal; Tormynydd; Jonah; Golden; Golden Rider; White; Cwm Mawr; Clay; Ironstone; Blackband Reference: Not Supplied Alternate Name/Mine: Black Band Lower Alternate Name/Mine: Black Band Upper Alternate Name/Mine: Clay Lower Alternate Name/Mine: Clay Upper Alternate Name/Mine: Middle Alternate Name/Mine: No. 24 Alternate Name/Mine: Oakwood Alternate Name/Mine: Tormynydd Lower Alternate Name/Mine: Tormynydd Middle Custodian: (i) Forster Brown and Rees, Guildhall Chambers, Cardiff. (ii) Lawrence, Davies and Causton, 6 Park Place, Cardiff.	A14NE (E)	738	4	279147 192580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	Potential Mining Areas Name: Oakwood Ceased Operation: 1872 Commodity: Coal; Field; Wernddu; Wernddu Rider; Wernpistyll; Tormynydd; Jonah; White; Clay; Cwm Mawr; Black Band; Golden; Cockshot Reference: 5875 Alternate: Black Band Name/Mine: Alternate: Clay Name/Mine: Alternate: Cwm Evan Bach Name/Mine: Alternate: Nos. 5, 5 (Upper), 60, 61, 62, 63, 64, 65 Name/Mine: Alternate: Rock Name/Mine: Alternate: Tormynydd (Upper; Middle; Lower) Name/Mine: Alternate: Yard Name/Mine: Custodian: Not Supplied	A14NE (E)	738	4	279147 192580
77	Potential Mining Areas Name: Craiglyn Ceased Operation: 1920 Commodity: Coal; Wernddu; Wernpistyll Rider Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Forster Brown and Rees, Guildhall Chambers, Cardiff.	A18NE (N)	782	4	278303 193402
78	Potential Mining Areas Name: Craiglyn Ceased Operation: 1929 Commodity: Coal; Field; Wernddu; Wernddu Rider; Wernpistyll Rider Reference: 10103 Alternate: Nos. 2, 3 Name/Mine: Custodian: Not Supplied	A18NE (N)	782	4	278303 193402
79	Potential Mining Areas Name: Wernavon Ceased Operation: 1919 Commodity: Coal; Wernpistill Rider; Wernpistill; Wernddu Rider Reference: 6920 Alternate: Nos. 1, 2, 3, 4 Name/Mine: Custodian: Not Supplied	A18NE (N)	782	4	278303 193402
80	Potential Mining Areas Name: Wernavon or Wernddu Ceased Operation: Not Supplied Commodity: Coal Wernddu Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: W.E.C. Thomas, Brynhafod, Neath.	A18NE (N)	782	4	278303 193402
81	Potential Mining Areas Name: Cwmavon Ceased Operation: 1861 Commodity: Coal; Middle Clay; Big; Upper Four Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A9NE (SE)	820	4	279138 192177
82	Potential Mining Areas Name: Victoria Ceased Operation: 1918 Commodity: Coal; Yard; Upper Four Feet Reference: 7200 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A9NE (SE)	820	4	279138 192177

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	Potential Mining Areas Name: Victoria Ceased Operation: Not Supplied Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A9NE (SE)	820	4	279138 192177
84	Potential Mining Areas Name: Cwmavon Ceased Operation: 1876 Commodity: Coal; White; Tormynydd Reference: Not Supplied Alternate: No. 31 Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A19SE (NE)	842	4	279156 192982
85	Potential Mining Areas Name: Cwmavon Ceased Operation: 1882 Commodity: Coal; Mawr Reference: Not Supplied Alternate: Oakwood Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A19SE (NE)	842	4	279156 192982
86	Potential Mining Areas Name: Cwmavon Ceased Operation: 1866 Commodity: Coal; White; Tormynydd Reference: Not Supplied Alternate: No. 27 Name/Mine: Custodian: Baldwins Ltd., 45 Wind Street, Swansea.	A19SE (NE)	842	4	279156 192982
87	Potential Mining Areas Name: Tymaen Ceased Operation: 1924 Commodity: Coal; Jonah; Tormynydd Reference: 7985 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A19SE (NE)	842	4	279156 192982

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	Extractive Industries or Potential Excavations from 1855-1909 Use: Coke Ovens First Map Published 1878 Date: Last Map Published Not Applicable Date:	A13SE (E)	0	-	278369 192528
89	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1878 Date: Last Map Published Not Applicable Date:	A13SE (NE)	0	-	278284 192533
90	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1878 Date: Last Map Published Not Applicable Date:	A13NE (E)	0	-	278405 192554
91	Extractive Industries or Potential Excavations from 1855-1909 Use: Limekiln First Map Published 1878 Date: Last Map Published Not Applicable Date:	A13SE (S)	1	-	278280 192507
92	Extractive Industries or Potential Excavations from 1855-1909 Use: Coke Ovens First Map Published 1878 Date: Last Map Published Not Applicable Date:	A13SW (W)	4	-	278141 192500
93	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1878 Date: Last Map Published Not Applicable Date:	A13SE (S)	15	-	278282 192491
94	Extractive Industries or Potential Excavations from 1855-1909 Use: Feeder First Map Published 1877 Date: Last Map Published 1878 Date:	A13NW (NW)	39	-	278256 192600
95	Extractive Industries or Potential Excavations from 1855-1909 Use: Meadow Pit (Coal) First Map Published 1878 Date: Last Map Published Not Applicable Date:	A13SE (SE)	41	-	278364 192453
96	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1878 Date: Last Map Published Not Applicable Date:	A13NW (NW)	48	-	278240 192599
97	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SE (NE)	0	-	278284 192533
98	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SE (E)	0	-	278373 192532

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	Extractive Industries or Potential Excavations from 1893-1915 Use: Old Limekiln First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SE (SE)	1	-	278304 192505
100	Extractive Industries or Potential Excavations from 1893-1915 Use: Railway Cutting First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SW (SW)	6	-	278200 192475
101	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SE (S)	15	-	278280 192491
102	Extractive Industries or Potential Excavations from 1893-1915 Use: Feeder First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NW (N)	39	-	278256 192600
103	Extractive Industries or Potential Excavations from 1893-1915 Use: Feeder First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SE (SE)	45	-	278405 192468
104	Extractive Industries or Potential Excavations from 1893-1915 Use: Meadow Pit (Disused) First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SE (SE)	45	-	278397 192469
105	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NW (NW)	48	-	278198 192576
106	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NW (NW)	49	-	278240 192600
107	Extractive Industries or Potential Excavations from 1893-1915 Use: Feeder First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13SE (SE)	53	-	278393 192452
108	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1899 Date: Last Map Published Not Applicable Date:	A13NW (NW)	95	-	278148 192612
109	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13SE (NE)	0	-	278284 192533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Extractive Industries or Potential Excavations from 1906-1937 Use: General Extraction First Map Published 1918 Date: Last Map Published 1919 Date:	A13SE (NE)	0	-	278284 192533
111	Extractive Industries or Potential Excavations from 1906-1937 Use: Railway Cutting First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13SW (SW)	5	-	278199 192473
112	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Limekiln First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13SE (SE)	9	-	278306 192499
113	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13SE (S)	14	-	278281 192492
114	Extractive Industries or Potential Excavations from 1906-1937 Use: Feeder First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NW (NW)	36	-	278257 192596
115	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NW (NW)	42	-	278241 192600
116	Extractive Industries or Potential Excavations from 1906-1937 Use: Meadow Pit (Disused) First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13SE (SE)	45	-	278395 192466
117	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NW (NW)	46	-	278197 192572
118	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NW (W)	57	-	278131 192570
119	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13NW (NW)	94	-	278147 192611
120	Extractive Industries or Potential Excavations from 1924-1949 Use: Meadow Pit (Disused) First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13SE (NE)	0	-	278284 192533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Deposited Material First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13SE (NE)	0	-	278284 192533
122	Extractive Industries or Potential Excavations from 1924-1949 Use: Railway Cutting First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13SE (S)	2	-	278280 192503
123	Extractive Industries or Potential Excavations from 1924-1949 Use: Railway Cutting First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13SW (SW)	3	-	278198 192475
124	Extractive Industries or Potential Excavations from 1924-1949 Use: Old Limekiln First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13SE (SE)	7	-	278305 192501
125	Extractive Industries or Potential Excavations from 1924-1949 Use: Feeder First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13NW (NW)	39	-	278256 192600
126	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Deposited Material First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13NE (N)	44	-	278300 192621
127	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Deposited Material First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13NW (NW)	44	-	278254 192602
128	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Deposited Material First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13NW (NW)	47	-	278197 192575
129	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Deposited Material First Map Published 1936 Date: Last Map Published Not Applicable Date:	A13NW (NW)	99	-	278145 192613
130	Extractive Industries or Potential Excavations from 1950-1980 Use: Slag Heap First Map Published 1965 Date: Last Map Published N/A Date:	A13SE (N)	0	-	278286 192539
131	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1965 Date: Last Map Published N/A Date:	A13SE (NE)	0	-	278284 192533

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Extractive Industries or Potential Excavations from 1950-1980 Use: Slag Heap First Map Published 1965 Date: Last Map Published N/A Date:	A13SE (S)	9	-	278283 192496
133	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1965 Date: Last Map Published N/A Date:	A13NW (NW)	53	-	278237 192603
134	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Pit First Map Published 1965 Date: Last Map Published N/A Date:	A13NE (NE)	86	-	278474 192651

Historical Land Use Information (1:10,000)

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	Air Shafts Use: Not Supplied Date of Mapping: 1900 - 1936		A12NW (W)	731	-	277490 192828
136	Air Shafts Use: Not Supplied Date of Mapping: 1884		A14NE (E)	817	-	279225 192612
137	General Quarrying Use: Not Supplied Date of Mapping: 1884 - 1900		A14SW (SE)	443	-	278711 192215
138	General Quarrying Use: Not Supplied Date of Mapping: 1884		A8NE (SE)	584	-	278612 191969
139	General Quarrying Use: Not Supplied Date of Mapping: 1884 - 1921		A18NE (N)	754	-	278303 193368
140	General Quarrying Use: Not Supplied Date of Mapping: 1921		A7SE (SW)	973	-	277743 191587
141	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1900		A8NW (S)	515	-	278176 191947
142	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1900		A18SE (N)	574	-	278303 193185
143	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1996		A14SE (E)	637	-	279005 192328
144	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1900		A19SE (NE)	733	-	278997 193032
145	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1921		A19NW (NE)	810	-	278850 193286
146	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A13NE (NE)	0	-	278303 192564
147	Mineral Railway Use: Not Supplied Date of Mapping: 1921 - 1936		A13NW (NW)	89	-	278164 192613
148	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A13SE (SE)	92	-	278429 192434
149	Mineral Railway Use: Not Supplied Date of Mapping: 1921		A13NW (NW)	92	-	278229 192643
150	Mineral Railway Use: Not Supplied Date of Mapping: 1921		A13NW (NW)	97	-	278195 192643
151	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A13SE (E)	125	-	278492 192449
152	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1921		A13NE (NE)	193	-	278499 192778
153	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A13SW (SW)	214	-	278120 192254
154	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A13SE (SE)	219	-	278576 192404
155	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A13SE (SE)	254	-	278609 192391

Historical Land Use Information (1:10,000)

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	Mineral Railway Use: Not Supplied Date of Mapping: 1884 - 1921		A8NW (S)	267	-	278246 192198
157	Mineral Railway Use: Not Supplied Date of Mapping: 1921		A8NW (S)	269	-	278153 192193
158	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1936		A12NE (W)	270	-	277879 192552
159	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A12NE (W)	271	-	277879 192561
160	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A13SE (SE)	278	-	278570 192311
161	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1921		A8NE (S)	291	-	278290 192198
162	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A14SW (SE)	296	-	278625 192342
163	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A8NW (S)	386	-	278135 192078
164	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A8NW (S)	394	-	278098 192075
165	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1921		A7NE (SW)	410	-	277930 192129
166	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A14SW (SE)	434	-	278766 192301
167	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A8NE (S)	438	-	278472 192068
168	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1964		A7NE (SW)	467	-	277909 192075
169	Mineral Railway Use: Not Supplied Date of Mapping: 1936		A12NE (W)	469	-	277706 192669
170	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A12NE (W)	471	-	277704 192670
171	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1921		A7NE (SW)	517	-	277895 192023
172	Mineral Railway Use: Not Supplied Date of Mapping: 1900		A12NE (W)	539	-	277634 192677
173	Mineral Railway Use: Not Supplied Date of Mapping: 1884		A9NW (SE)	616	-	278903 192179
174	Mineral Railway Use: Not Supplied Date of Mapping: 1936		A12NW (W)	640	-	277558 192756
175	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1921		A19SE (NE)	869	-	279202 192948
176	Mineral Railway Use: Not Supplied Date of Mapping: 1921		A19SE (NE)	886	-	279191 193008

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	Mineral Railway Use: Not Supplied Date of Mapping: 1921	A19SE (NE)	897	-	279226 192960
178	Mineral Railway Use: Not Supplied Date of Mapping: 1900 - 1964	A19SE (NE)	903	-	279234 192957
179	Mineral Railway Use: Not Supplied Date of Mapping: 1884	A9NE (SE)	931	-	279135 191964
180	Mineral Railway Use: Not Supplied Date of Mapping: 1921	A19SE (NE)	986	-	279195 193190
181	Mining & quarrying general Use: Not Supplied Date of Mapping: 1964	A19SW (NE)	633	-	278909 192983
182	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A13NE (NE)	0	-	278298 192561
183	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A13SE (S)	0	-	278288 192506
184	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A13SW (W)	4	-	278173 192514
185	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A13SW (W)	103	-	278046 192532
186	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1900 - 1921	A13NW (N)	105	-	278274 192680
187	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884 - 1900	A13NW (N)	203	-	278220 192759
188	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884 - 1900	A14SW (SE)	453	-	278766 192269
189	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A12NE (W)	463	-	277710 192665
190	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A9NW (SE)	499	-	278723 192151
191	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921	A9NW (SE)	621	-	278804 192059
192	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884 - 1900	A9NW (SE)	629	-	278807 192051
193	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A9NE (SE)	718	-	279012 192161
194	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884 - 1900	A19SW (NE)	799	-	278945 193194
195	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1884	A19NW (NE)	836	-	278906 193276
196	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1900	A15NW (E)	927	-	279337 192569
197	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921 - 1936	A19NW (NE)	943	-	278802 193467

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1921	A12NE (W)	468	-	277710 192677
199	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1951 - 1996	A14SE (E)	643	-	279046 192462
200	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1921	A9SW (SE)	855	-	278886 191821
201	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A8SE (S)	990	-	278585 191531
202	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13SE (S)	0	-	278288 192506
203	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NE (NE)	0	-	278298 192561
204	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NW (N)	105	-	278274 192680
205	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NW (N)	203	-	278220 192759
206	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13SW (SW)	205	-	278075 192279
207	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A14SW (SE)	443	-	278711 192215
208	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A14SW (SE)	453	-	278766 192269
209	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A12NE (W)	468	-	277719 192703
210	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A8NE (SE)	584	-	278612 191969
211	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A9NW (SE)	621	-	278804 192059
212	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A19SW (NE)	633	-	278909 192983
213	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A9NE (SE)	718	-	279012 192161
214	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A12NW (W)	731	-	277490 192828
215	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A19SW (NE)	799	-	278945 193194
216	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A9SW (SE)	855	-	278886 191821
217	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A23SE (N)	953	-	278324 193568
218	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A19NW (NE)	967	-	278821 193484

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
219	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A8SE (S)	990	-	278585 191531
220	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (S)	180	-	278301 192267
221	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NE (SW)	505	-	277857 192065
222	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NW (S)	526	-	278245 191942
223	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NW (S)	601	-	278267 191869
224	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A9NW (SE)	610	-	278834 192105
225	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8SE (S)	694	-	278406 191804

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
226	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	13	1	278273 192576
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
227	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
228	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	185	1	278200 192731
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	68	1	278236 192620
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
229	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
230	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	68	1	278236 192620
231	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	116	1	278200 192655
232	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	184	1	278199 192729
233	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	195	1	278225 192756
234	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	201	1	278432 192818
235	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	234	1	278166 192806
236	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	241	1	278317 192865
237	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	242	1	278421 192858
238	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	242	1	278412 192859
239	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
240	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	185	1	278200 192731
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	68	1	278236 192620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	278284 192533
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	211	1	278297 192835

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Glamorganshire	025_10	1877
Glamorganshire	025_06	1878
Glamorganshire	025_06	1899
Glamorganshire	025_10	1899
Glamorganshire	025_10	1918
Glamorganshire	025_06	1919
Glamorganshire	025_06	1936
Glamorganshire	025_10	1937
Ordnance Survey Plan	SS7892	1965
Ordnance Survey Plan	SS7792	1967

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Glamorganshire	025_00	1884
Glamorganshire	025_NE	1900
Glamorganshire	025_NW	1900
Glamorganshire	025_SE	1900
Glamorganshire	025_SW	1900
Glamorganshire	025_NE	1921
Glamorganshire	025_NW	1921
Glamorganshire	025_SE	1921
Glamorganshire	025_SW	1921
Glamorganshire	025_NW	1936
Glamorganshire	025_SE	1938
Glamorganshire	025_NE	1951
Glamorganshire	025_SW	1952
Ordnance Survey Plan	SS79SE	1964
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SS79SE	1996

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2021	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	 The Coal Authority
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	 wardell armstrong your earth our world
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
3	Ove Arup & Partners Central Square, Forth Street, Newcastle upon Tyne, Tyne and Wear, NE1 3PL	Telephone: 0191 261 6080 Fax: 0191 261 7879
4	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9960 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmarkinfo.co.uk
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Intégral Géotechnique

Historical Land Use Information (1:2,500)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

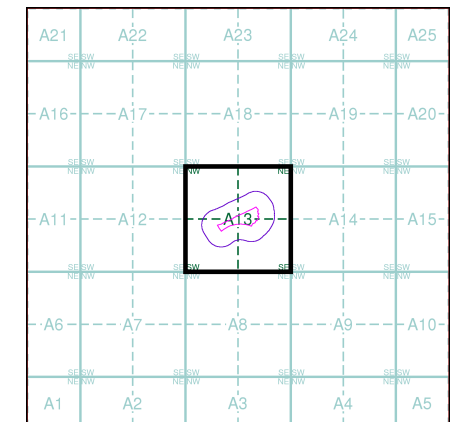
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A13



Order Details

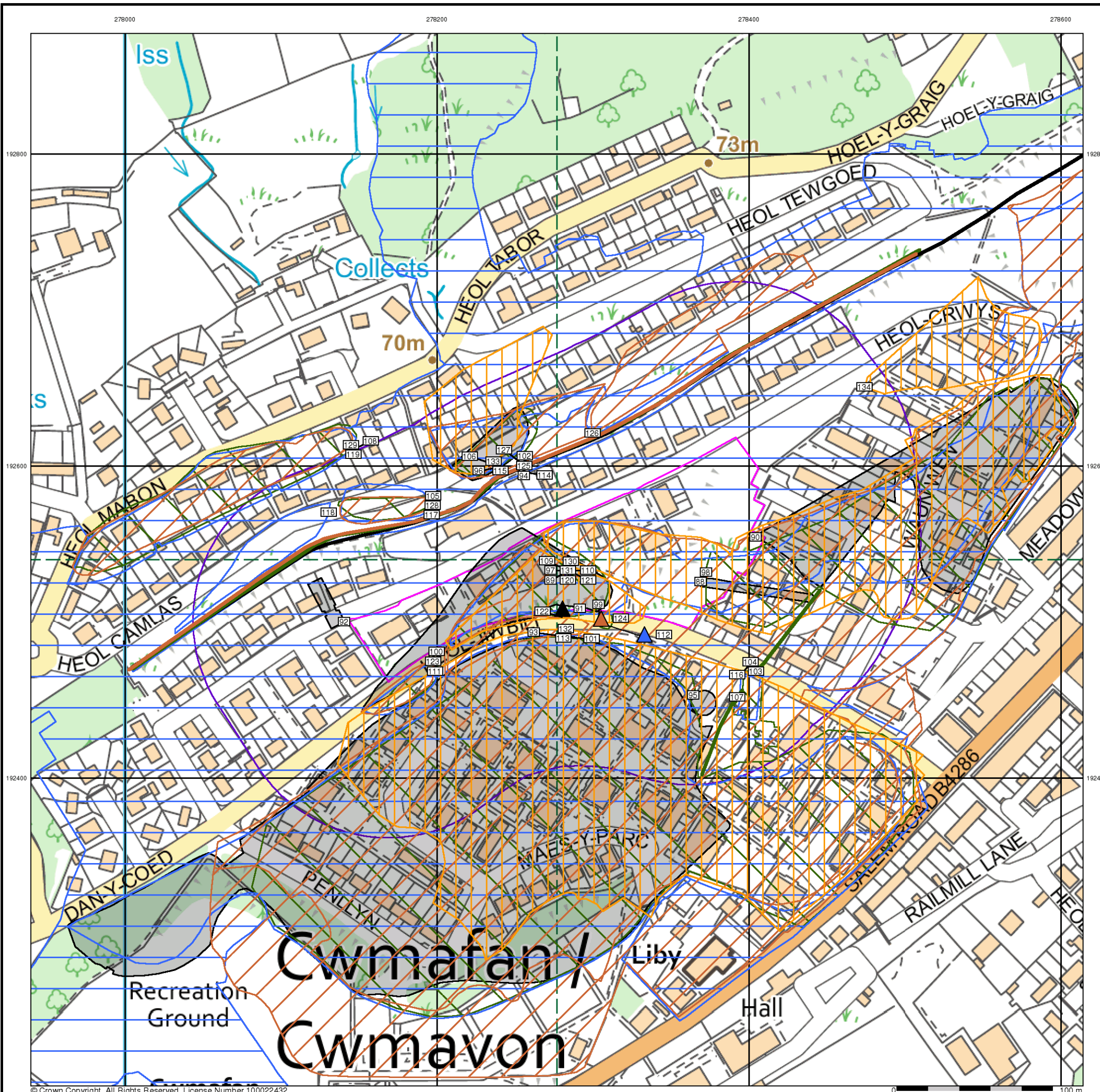
Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Plot Buffer (m): 100

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Historical Land Use Information (1:10,000)

General

- Specified Site Specified Buffer(s) Bearing Reference Point Map ID
Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

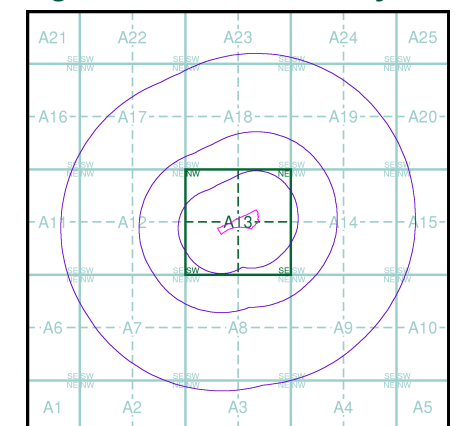
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

- Potential Mining Area
BGS Recorded Mineral Site

Mining and Ground Stability - Slice A

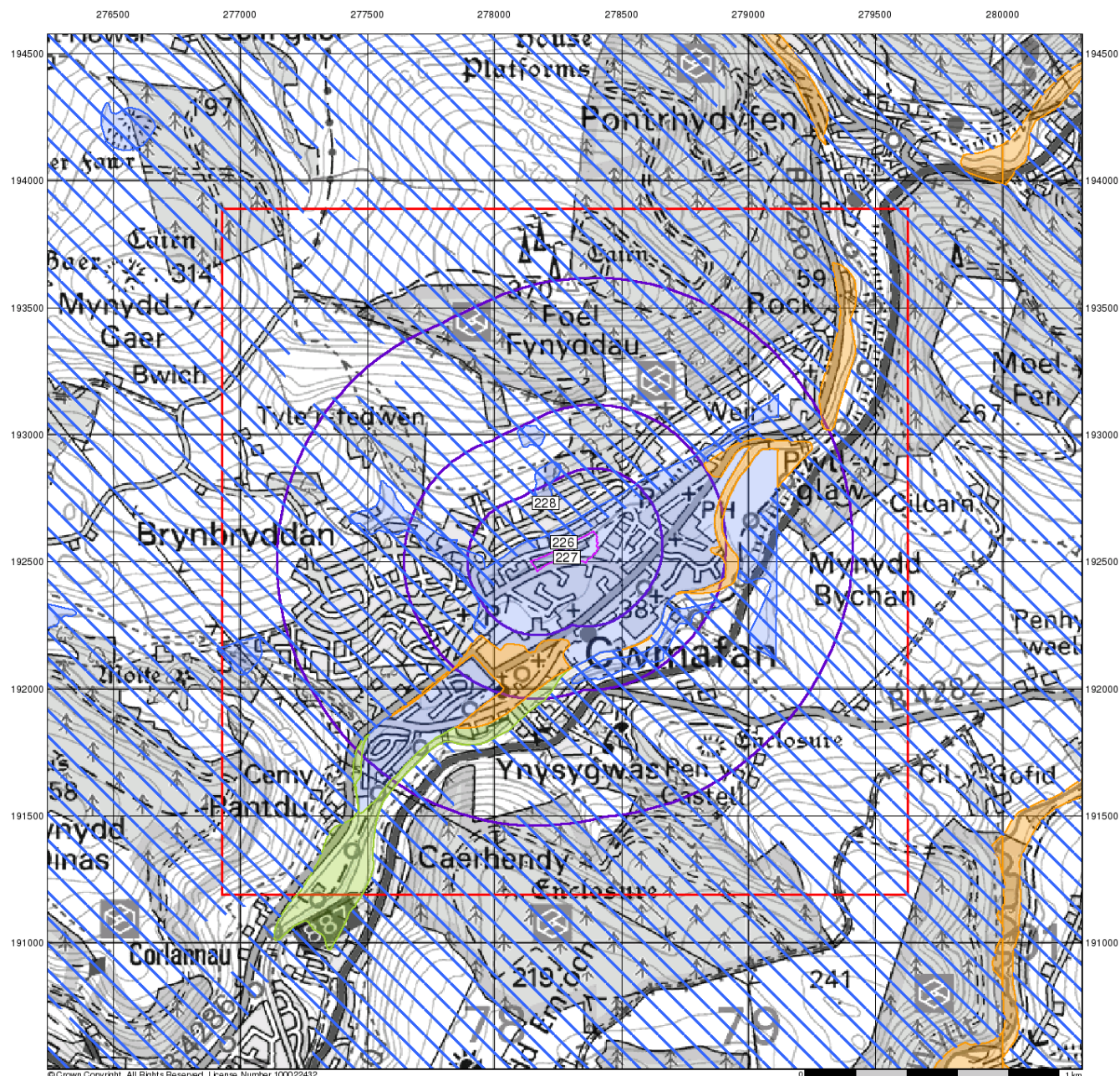


Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278280, 192530
Slice: A
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA



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Intégral Géotechnique

Ground Stability Data (1:50,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

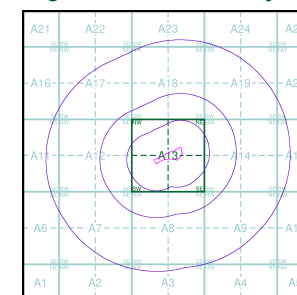
Brine Pumping and Salt Mining

Brine Pumping Related Feature

Salt Mining Related Feature

- | Point | Polygon |
|-------|---------|
| ▲ | ▢ |
| ▲ | ▢ |

Mining and Ground Stability - Slice A



Order Details

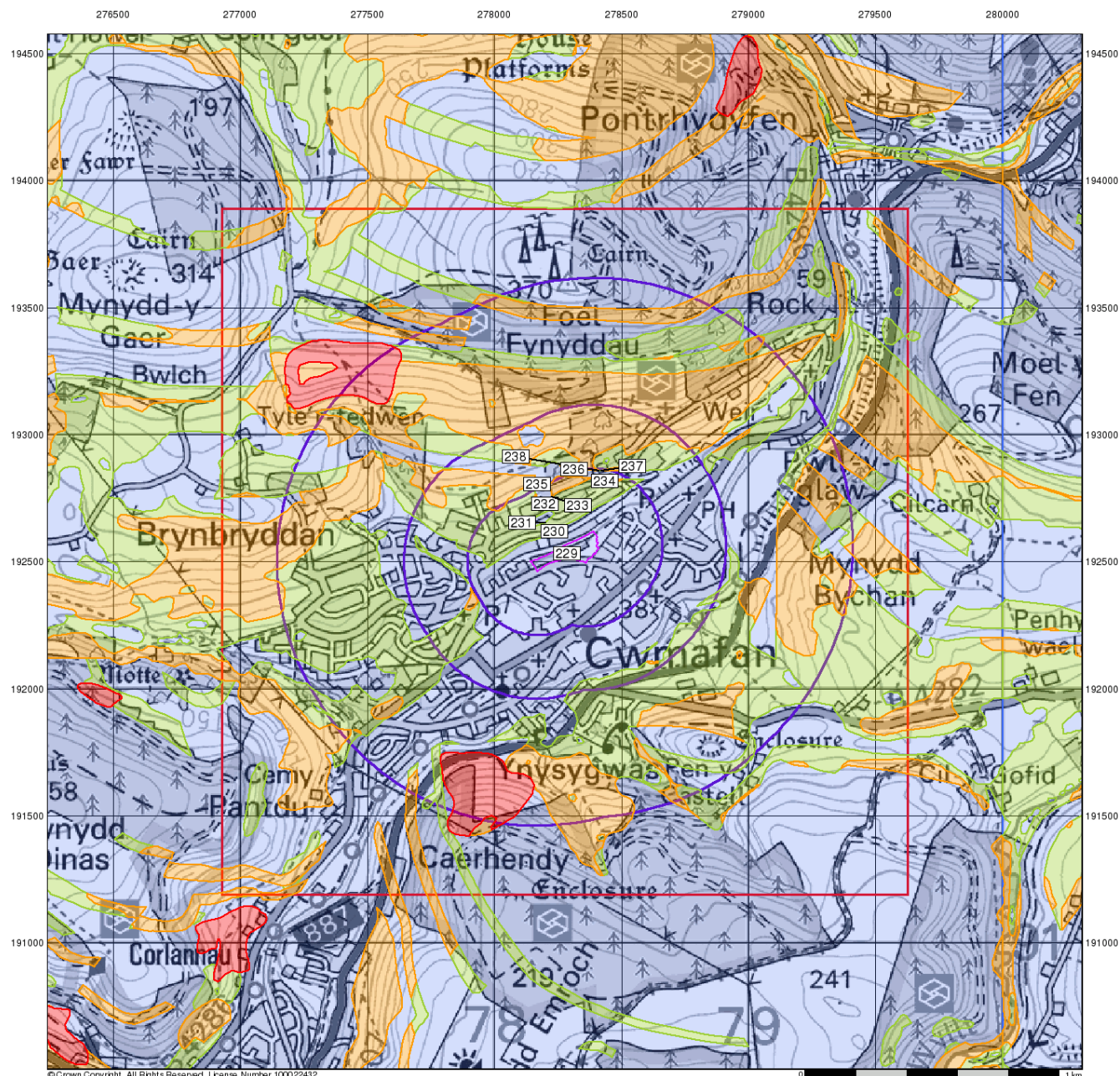
Order Number: 292811731_1_1
 Customer Ref: 14023/LP
 National Grid Reference: 278280, 192530
 Slice: A
 Site Area (Ha): 1.58
 Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.ernirocheck.co.uk



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0 1 km

Intégral Géotechnique

Ground Stability Data (1:50,000)

General

- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

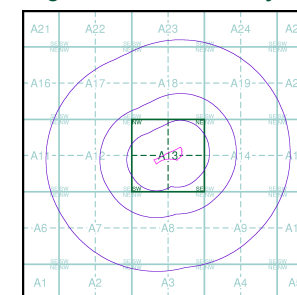
Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- ▨ High
- ▨ Moderate
- ▨ Low
- ▨ Very Low

Mining and Ground Stability - Slice A



Order Details

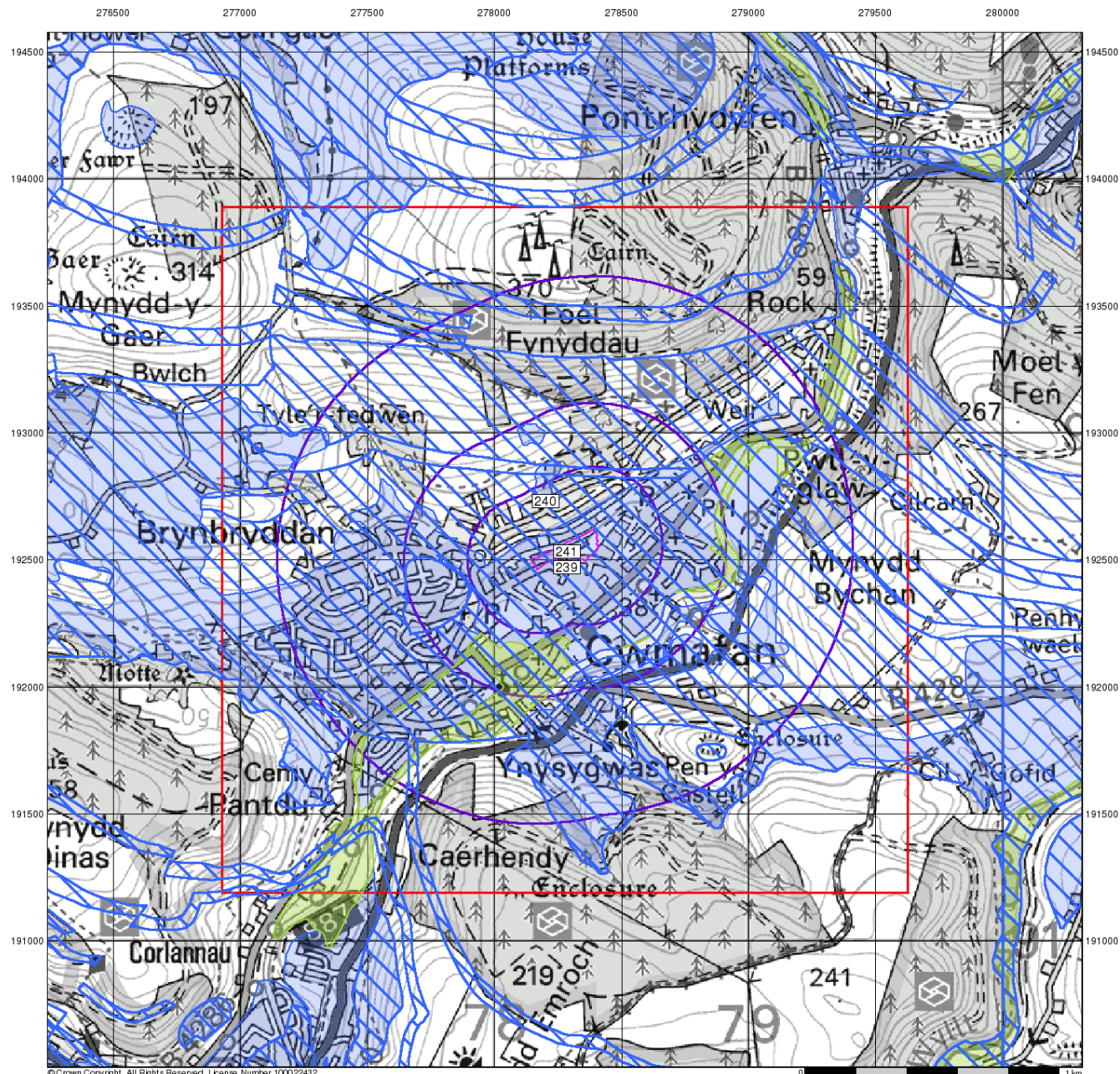
Order Number: 292811731_1_1
 Customer Ref: 14023/LP
 National Grid Reference: 278280, 192530
 Slice: A
 Site Area (Ha): 1.58
 Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmafan, Port Talbot, SA12 9PA

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 INFORMATION GROUP

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Intégral Géotechnique

Ground Stability Data (1:50,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

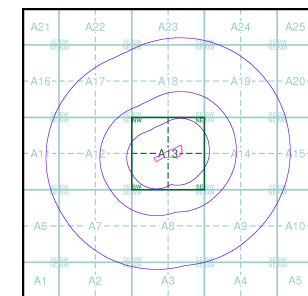
Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

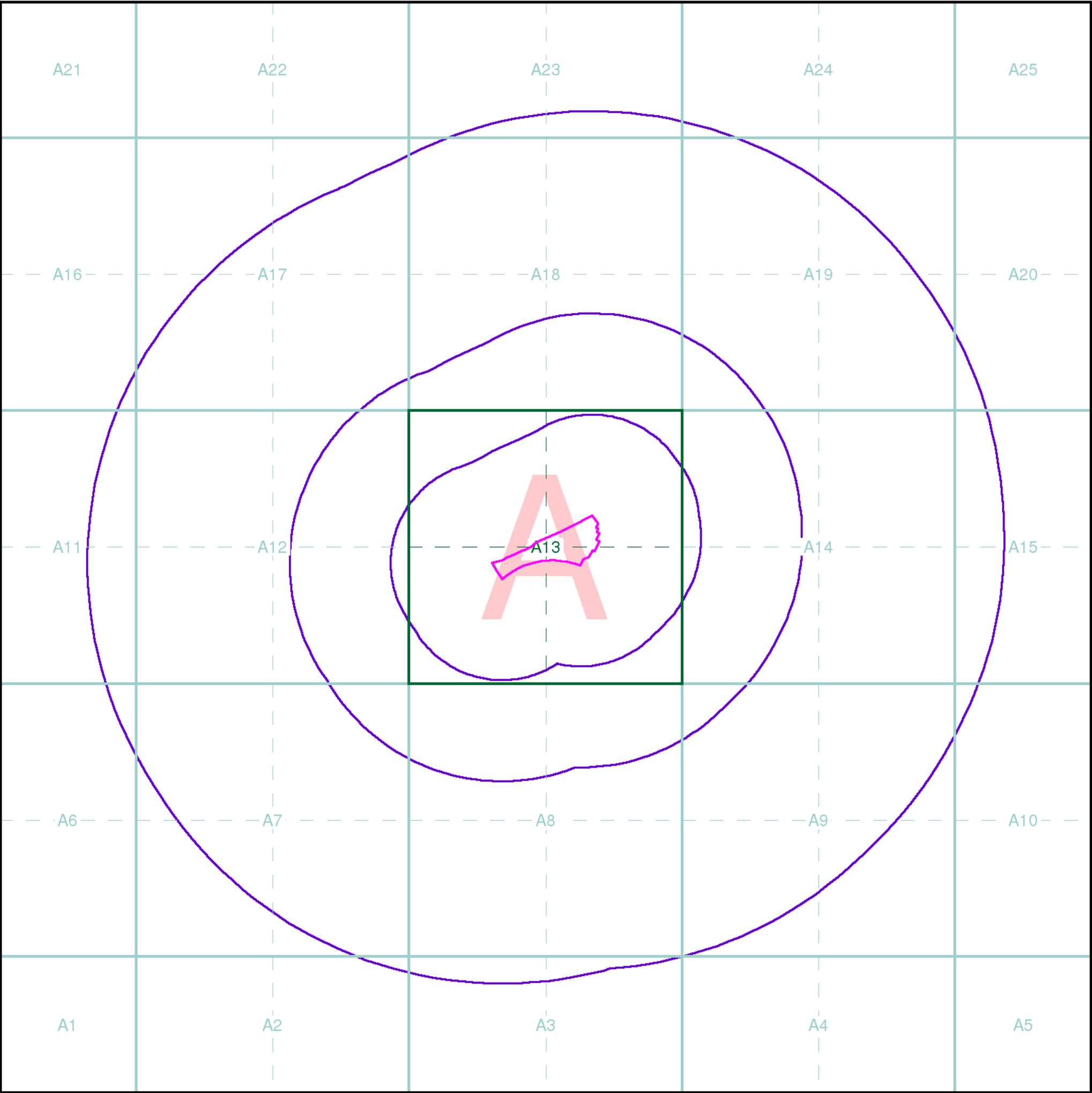
Order Number: 292811731_1_1
 Customer Ref: 14023/LP
 National Grid Reference: 278280, 192530
 Slice: A
 Site Area (Ha): 1.58
 Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.ernwirocheck.co.uk



Intégral Géotechnique

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

MR H Pritchard, Integral Geotechnique, Integral House, 7 Beddau Way, Castlegate Business Park, Caerphilly, CF83 2AX

Order Details

Order Number: 292811731_1_1
Customer Ref: 14023/LP
National Grid Reference: 278300, 192540
Site Area (Ha): 1.58
Search Buffer (m): 1000

Site Details

Heol Crwys, Cwmavon, Port Talbot, SA12 9PA

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX B

BGS RADON GEOREPORT

LAURA PULLIN
INTEGRAL GEOTECHNIQUE (WALES) LTD
INTEGRAL HOUSE
7
BEDDAU WAY
CAERPHILLY
CF83 2AX

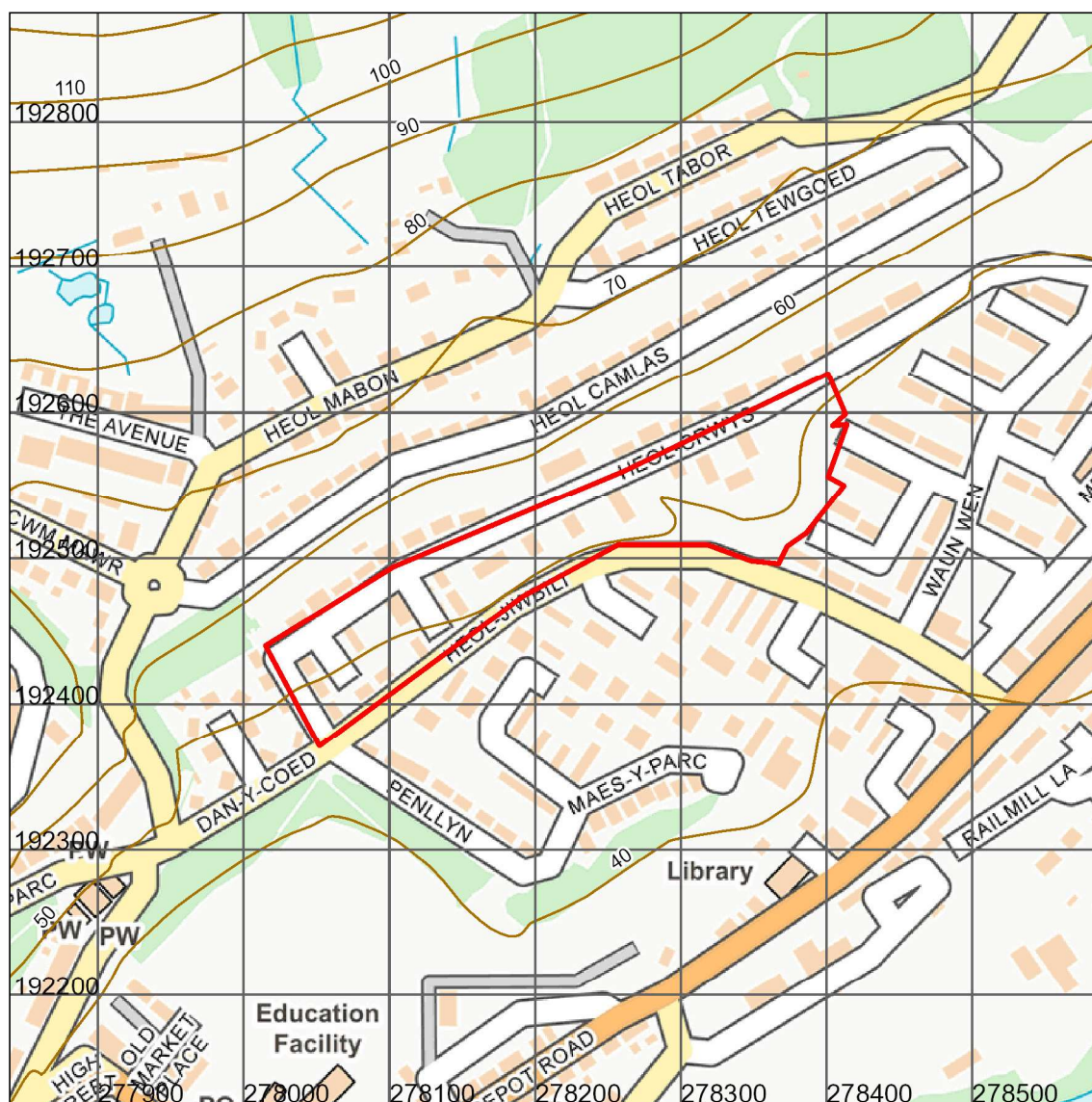
Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: *BGS_325580/33297*

Client reference: 14023 Heol Crwys

Search location



Contains OS data © Crown Copyright and database right 2022. OS OpenMap Local: Scale: 1:5 000 (1cm = 50 m)

Search location indicated in red

*This report describes a site located at National Grid Reference 278214, 192499.
Note that for sites of irregular shape, this point may lie outside the site boundary.
Where the client has submitted a site plan the assessment will be based on the area given.*

Radon Report: UK

When extensions are made to existing buildings in high radon areas, or new buildings are constructed in these areas, the Building Regulations for England, Wales, Scotland and Northern Ireland require that protective measures are taken against radon entering the building.

This report provides information on whether radon protective measures are required. Depending on the probability of buildings having high radon levels, the Regulations may require either:

1. No protective measures
2. Basic protective measures
3. Full protective measures

This is an advisory report on the requirement for radon protective measures in new buildings, conversions and extensions. The report also indicates whether a site is located within a radon Affected Area

Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2015 edition)*, which also provides guidance on what to do if the result indicates that protective measures are required.

Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2015 edition) Radon: Guidance on protective measures for new buildings?

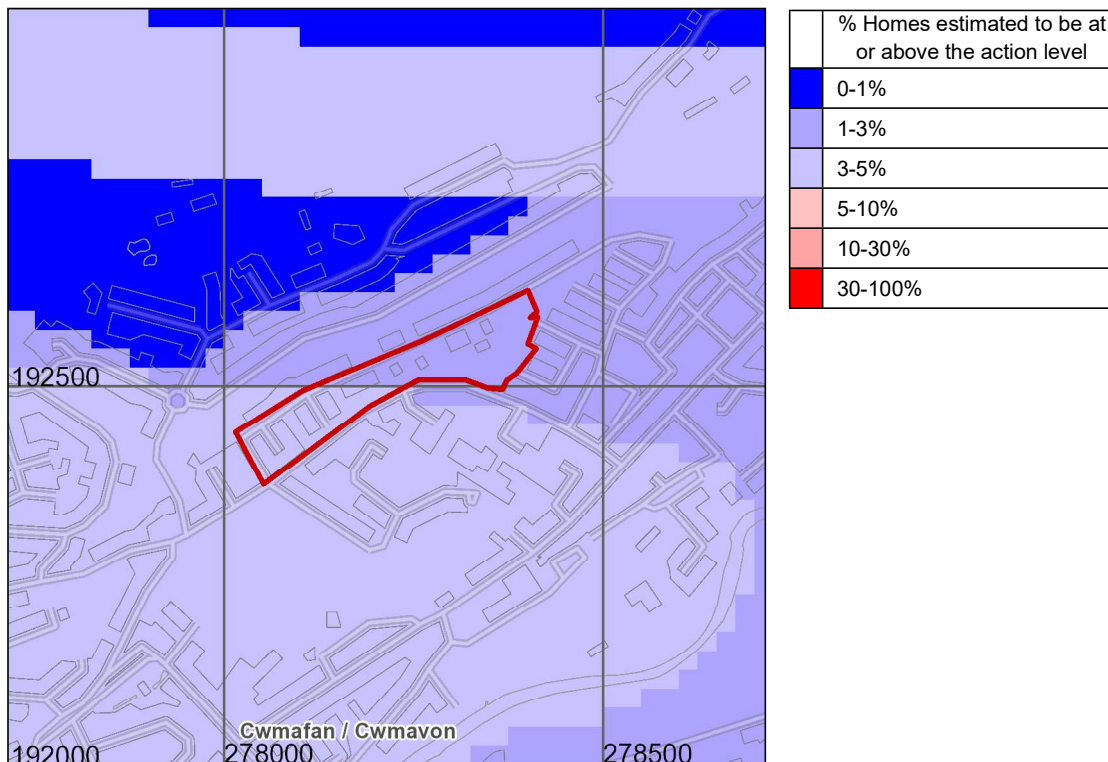
BASIC RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2015 Edition)*. Additional information and guidance is available from the Building Research Establishment website (<http://www.bre.co.uk/radon/>).

Whether or not the radon level in a building is above or below the radon Action Level can only be established by having the building tested. The UKHSA provides a radon testing service which can be accessed at www.ukradon.org or by telephone (01235 822622).

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.

Radon Affected Area



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Scale: 1:10 000 (1cm = 100 m)

Search area indicated in red

Is the property in a radon Affected Area as defined by the UK Health Security Agency (UKHSA) and if so what percentage of homes are estimated to be above the Action Level? YES

Additional Information

THE PROPERTY IS IN A RADON AFFECTED AREA WHERE 3 TO 5% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL.

The UKHSA recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air (Bq m^{-3}) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to exceed the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a radon problem in the property; the only way to find out whether the radon level is above or below the Action Level is to carry out a radon measurement.

The UKHSA advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels above the Action Level (200 Bq m⁻³) should be remediated. Householders with levels between the Target Level (100 Bq m⁻³) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. The UKHSA provides a validated radon testing service which can be accessed at www.ukradon.org.

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a “Radon Affected Area” as identified by the UKHSA. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from the UKHSA at www.ukradon.org.

What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m^{-3}). The Government advises householders that, where the radon level exceeds the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations, 1999, require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**. BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.uk website: www.brebookshop.com

Contact Details

Keyworth Office

British Geological Survey
Environmental Science Centre
Nicker Hill
Keyworth
Nottingham
NG12 5GG
Tel: 0115 9363143
Email: enquiries@bgs.ac.uk

Wallingford Office

British Geological Survey
Maclean Building
Wallingford
Oxford
OX10 8BB
Email: enquiries@bgs.ac.uk

Edinburgh Office

British Geological Survey
Lyell Centre
Research Avenue South
Edinburgh
EH14 4AP
Tel: 0131 6671000
Email: enquiry@bgs.ac.uk

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General Terms & Conditions

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- The data, information and related records supplied in this Report by BGS can only be indicative and should not be taken as a substitute for specialist interpretations, professional advice and/or detailed site investigations. You must seek professional advice before making technical interpretations on the basis of the materials provided.
- Geological observations and interpretations are made according to the prevailing understanding of the subject at the time. The quality of such observations and interpretations may be affected by the availability of new data, by subsequent advances in knowledge, improved methods of interpretation, and better access to sampling locations.
- Raw data may have been transcribed from analogue to digital format, or may have been acquired by means of automated measuring techniques. Although such processes are subjected to quality control to ensure reliability where possible, some raw data may have been processed without human intervention and may in consequence contain undetected errors.
- Detail, which is clearly defined and accurately depicted on large-scale maps, may be lost when small-scale maps are derived from them.
- Although samples and records are maintained with all reasonable care, there may be some deterioration in the long term.
- The most appropriate techniques for copying original records are used, but there may be some loss of detail and dimensional distortion when such records are copied.
- Data may be compiled from the disparate sources of information at BGS's disposal, including material donated to BGS by third parties, and may not originally have been subject to any verification or other quality control process.
- Data, information and related records, which have been donated to BGS, have been produced for a specific purpose, and that may affect the type and completeness of the data recorded and any interpretation. The nature and purpose of data collection, and the age of the resultant material may render it unsuitable for certain applications/uses. You must verify the suitability of the material for your intended usage.
- If a report or other output is produced for you on the basis of data you have provided to BGS, or your own data input into a BGS system, please do not rely on it as a source of information about other areas or geological features, as the report may omit important details.
- The topography shown on any map extracts is based on the latest OS mapping and is not necessarily the same as that used in the original compilation of the BGS geological map, and to which the geological linework available at that time was fitted.
- Note that for some sites, the latest available records may be historical in nature, and while every effort is made to place the analysis in a modern geological context, it is possible in some cases that the detailed geology at a site may differ from that described.

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**Report issued by
BGS Enquiry Service**

APPENDIX C

CON29M COAL MINING REPORT FROM THE COAL AUTHORITY



The Coal
Authority

CON29M

coal mining report

HEOL CRWYS, CWMAYON, NEATH PORT TALBOT, SA12 9PA



Known or potential coal mining risks

Past underground coal mining	Page 4
Future underground coal mining	Page 4
Mine entries	Page 5



Further action

No further reports from the Coal Authority are required. Further information on any next steps can be found in our Professional opinion.

For more information on our reports please visit
www.groundstability.com



Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. In view of the coal mining circumstances we would recommend that any planned or future development should follow detailed technical advice before beginning work on site. Please see **page 3** for further details on **Future development**.

Your reference: **14023/LP**
Our reference: **51003004469001**
Date: **18 March 2022**

Client name:
**INTEGRAL GEOTECHNIQUE
(WALES) LTD.**

If you require any further assistance please
contact our experts on:
0345 762 6848
groundstability@coal.gov.uk



The Law
Society

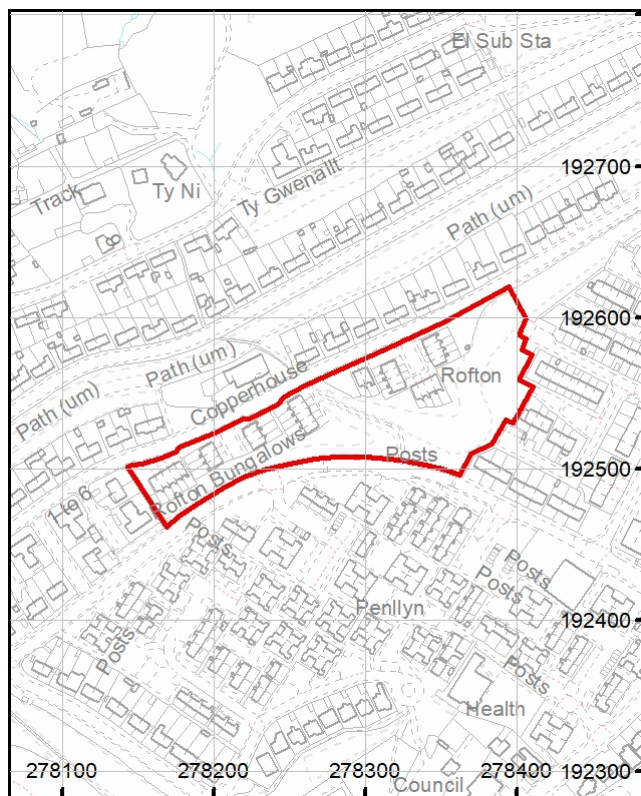
Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.



Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email communications@coal.gov.uk.

Professional opinion



Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed.

If you are looking to develop, or undertake works, within a coal mining development high risk area your Local Authority planning department may require a Coal Mining Risk Assessment to be undertaken by a qualified mining geologist or engineer. Should you require any additional information then please contact the Coal Authority on **0345 762 6848** or email **cmra@coal.gov.uk**.

Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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1 Past underground coal mining

The property is in a surface area that could be affected by underground mining in 5 seams of coal at 50m to 190m depth, and last worked in 1900.

Any movement in the ground due to coal mining activity associated with these workings should have stopped by now.

In addition the property is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered, particularly prior to any site works or future development activity, as ground movement could still be a risk. Your attention is drawn to the Professional opinion sections of the report.

2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4 Mine entries

There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.

This information is based on the information that the Coal Authority has at the time of this enquiry.

Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal Authority records.

5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7 Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9 Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

12 Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14 Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Statutory cover



Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **0800 288 4242**. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

coal mining subsidence - ground movement caused by the removal of coal by underground mining

Coal Mining Subsidence Act 1991 - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

coal mining subsidence damage - damage to land, buildings or structures caused by the removal of coal by underground mining

coal seams - bed of coal of varying thickness

future opencast coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

future underground coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

mine entries - collective name for shafts and adits

payments to owners of former copyhold land - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

shaft - vertical entry into a mine

site investigation - investigations of coal mining risks carried out with the Coal Authority's permission

stop notice - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

subsidence claim - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

withdrawal of support - a historic notice informing landowners that the coal beneath their property was going to be worked

working facilities orders - a court order which gave permission, restricted or prevented coal mine workings

FIGURES



NORTH

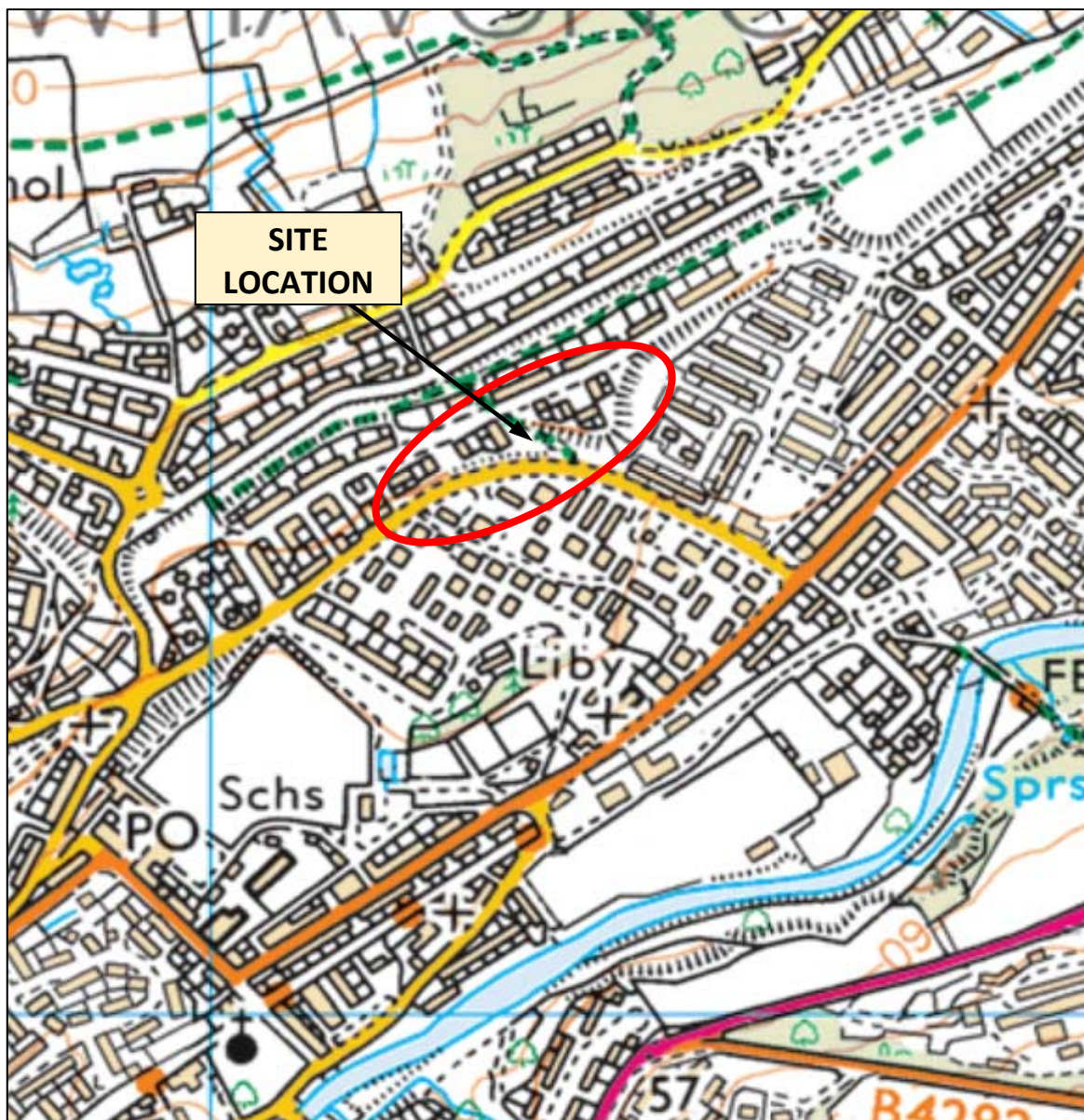


FIGURE 1: SITE LOCATION

Heol Crwys, Cwmavon

Intégral
Géotechnique

Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991
Fax: 029 2086 2176

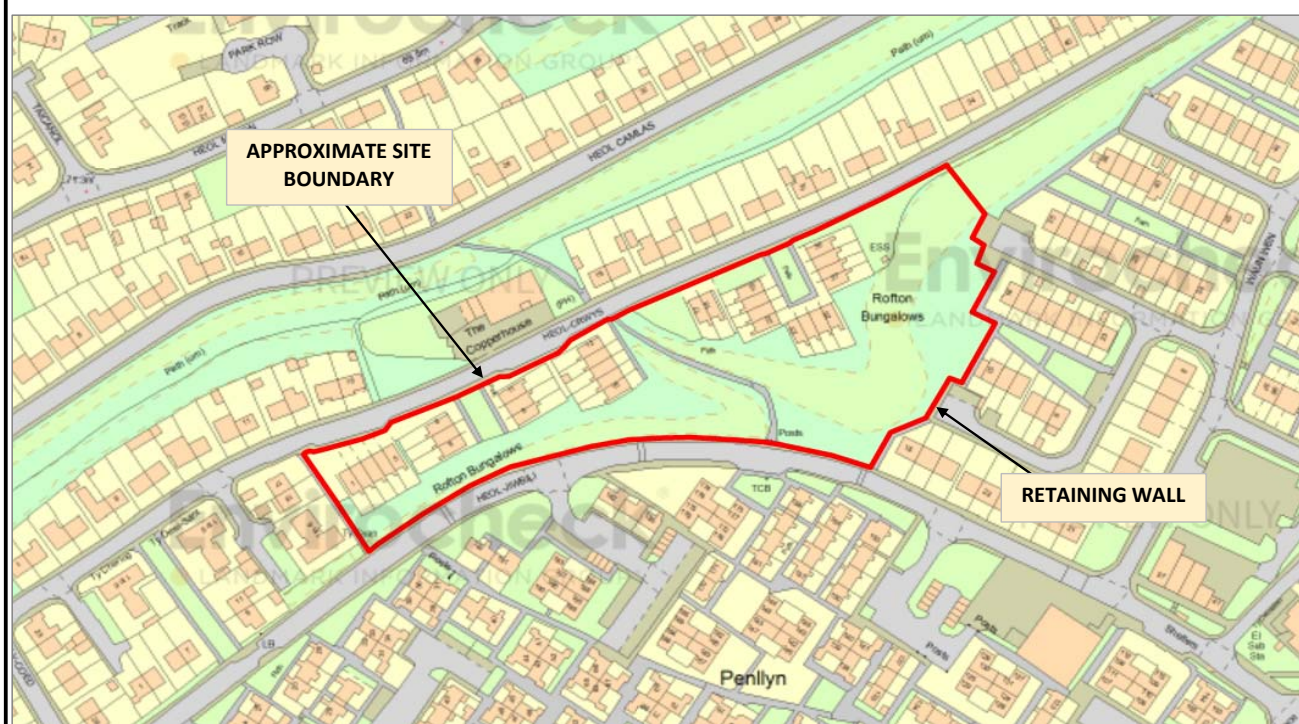


FIGURE 2: SITE PLAN

Heol Crwys, Cwmavon

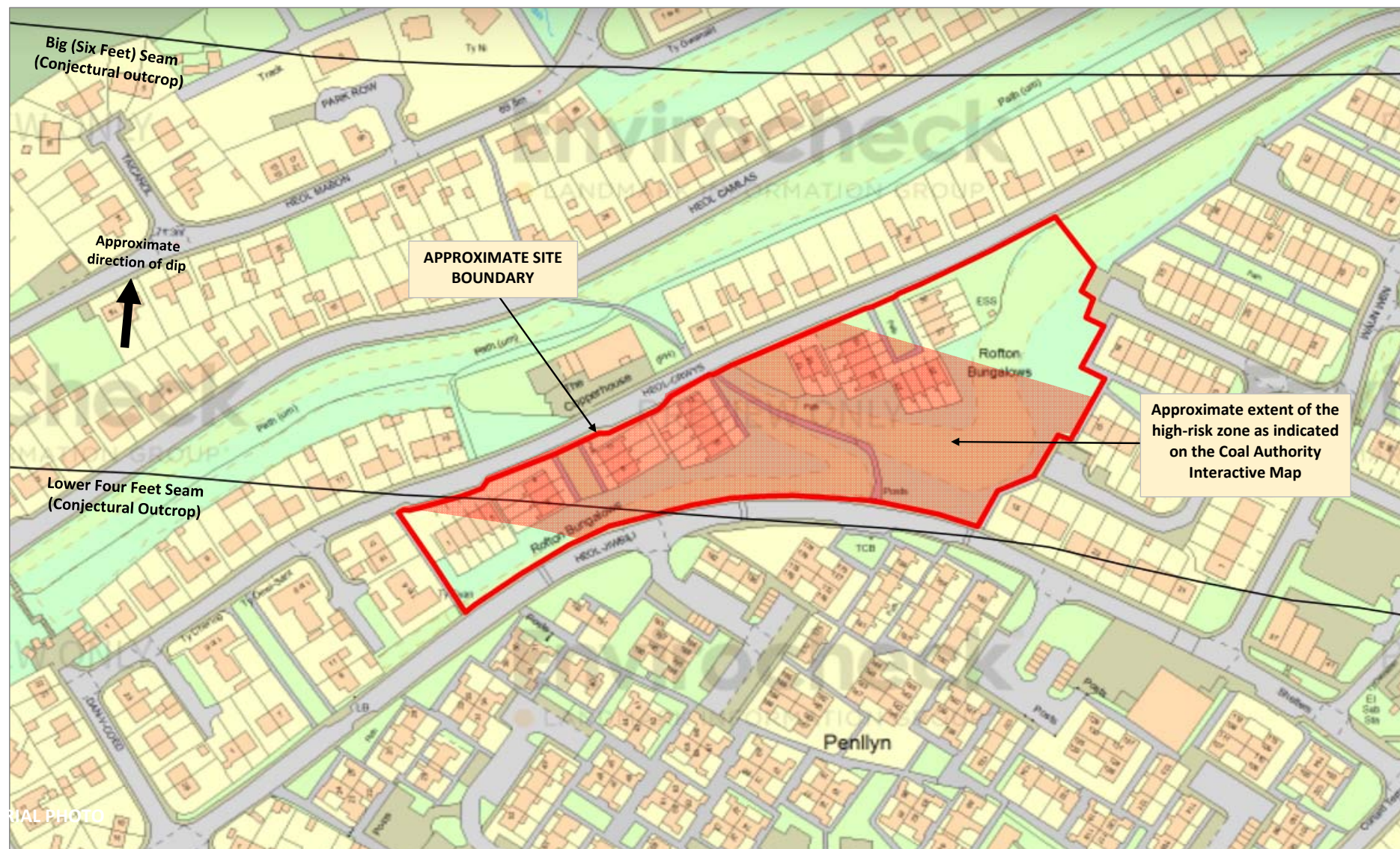


FIGURE 3: GEOLOGY AND MINING

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