Tai Tarian Limited

HEOL-Y-GLO, TONNA

Desk Study Report

14277/LP/25/DS

Intégral
Géotechnique

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1.0 INTRODUCTION

1.1 GENERAL

Tai Tarian Limited are proposing to redevelop a site at Heol-y-Glo in Tonna for residential end-use. The site location is shown on Figure 1.

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, if required.

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1.2 PROPOSED DEVELOPMENT

The initial sketch layout is shown on Spring Design Drawing No: 2641-00(02)-119, an extract of which is shown on Figure 2.

The development will comprise the construction of fifty-five residential properties with associated infrastructure including access roads, private drives and car parking areas with access from Heol-y-Glo to the west. The development will also include areas of soft landscaping, private gardens and Sustainable Drainage Systems (SuDS).

1.3 SCOPE OF WORKS

The work instructed included a desk study of available information, together with development of 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 Consultants Coal Mining Report from the Mining Remediation Authority,
- 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 building control 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 on the eastern edge of Tonna at a National Grid Reference of 278280, 199300, see Figure 1.

The site is irregular in shape and occupies a total area of approximately 3.2 hectares. The boundaries of the site are defined by Brynna Road to the north, undeveloped ground to the east, a bus depot and wooded area to the south, and allotment gardens, existing residential development and Heol-y-Glo to the west. A site plan is presented on Figure 3.

The western field is located on land which falls gently to the east from an approximate maximum elevation of 42m Above Ordnance Datum (AOD) in the southwest corner to an approximate minimum elevation of 38m to 40m AOD on the eastern edge. The eastern field comprises a relatively level plateau at an approximate elevation of between 36m to 40m AOD which then falls steeply to the north and east to an approximate elevation of 27m AOD. The site continues to fall more shallowly in a northerly and easterly direction to a minimum elevation of approximately 26m AOD.

The fields are grass covered and separated by a mature north to south orientated hedgerow. The lower lying eastern edge of the site is more heavily vegetated. A small farm outbuilding/shed is located within the southwest corner tucked into the hedge line of the eastern field.

The southwest corner directly off Heol Y Glo is covered by scrub vegetation and a former driveway area and the adjacent land, in between this area and the western field, formed part of the bus depot yard which is covered with hard/rough surfacing.

The northern and southern boundaries of the site are formed by mature hedges and trees to separate the site from Brynna Road to the north and the bus depot to the south.

2.2 SITE OPERATIONS

The main development area is currently undeveloped and utilised as agricultural land. A former residential development area and land associated with the bus depot are located within the south western area of the site.

2.3 SURROUNDING LAND USE

The surrounding areas are developed for mixed residential and commercial use and with areas of undeveloped land to the east and beyond the road to the north.

2.4 AVAILABLE SITE INVESTIGATION DATA

There is no available site investigation data for the site 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	1880, 1899, 1919, 1935, 1964, 1978-1981, 1984-1991, 1993, 1993-1994, 2000 (aerial photo)
1:10,560	1884, 1900, 1921, 1935-1936, 1938-1951, 1949 (aerial photo)
1:10,000	1964, 1973, 1983-1989, 1992, 1999, 2006, 2024

The earliest edition of the map dated 1880 indicated the site to comprise two undeveloped fields with a north south orientated field boundary which crossed approximately through the centre of the site. The northern boundary of the site was formed by a road and a less established road was located to the west. Wenallt Wood bounded the site to the south. The Great Western Railway ran parallel to the site approximately 30m to the north and the Neath Canal was located beyond the railway approximately 90m to the north. The River Neath followed the course of the railway and the canal approximately 120m to the north. The only developments in the vicinity of the site were likely to be farms including Wenallt Farm located approximately 170m to the south, Pant-y-coed located approximately 160m to the northeast and Tonna-uchaf located approximately 270m to the west. Wenallt Colliery was located further away from the site approximately 450m to the south.

The 1899 edition of the map indicated the site, and the surrounding areas had remained relatively unchanged. However, a surface water feature which flowed from the woods to the south was now indicated to flow across the eastern boundary of the site and into the eastern area. There was also some rough grass indicated within the southwest corner of the site. Wenallt Colliery to the south was disused by this time.

The 1919 edition of the map indicated that the site had remained undeveloped. There was no longer any evidence of the surface water feature across the eastern area of the site. The surrounding areas remained relatively unchanged. The railway to the north was now the GWR Vale of Neath Line.

The edition of the map dated 1935 indicated the site and the immediate surrounding areas to have remained relatively unchanged.

3.0 SITE HISTORY (CONTINUED)

The edition of the map dated 1964 indicated the site to have remained as two undeveloped fields. Extensive, mainly residential development had taken place to the west of the site as Tonna significantly expanded. The road to the west was now more established, known as Heol-y-Glo and was lined with residential properties. Beyond the road, approximately 30m to the northwest, Tonna Childrens' Hospital had been constructed. The section of the Neath Canal to the north of the site was indicated to be filled with reeds at this time but was still operational.

The 1978-1981 edition of the map indicated further residential development along the eastern edge of Heol-y-Glo to the west of the site. Two of the properties were constructed within the southwest corner of the site. A small depot building had been constructed approximately 30m to the south of the western site area. The main site area had remained as two undeveloped fields.

The 1984-1991 map indicated the site and the surrounding areas to have remained relatively unchanged apart from the depot which now included an additional building to the south of the site.

The site and the surrounding areas remained relatively unchanged over the subsequent years apart from a small outbuilding constructed within the southwest corner of the eastern field. The year 2000 aerial photo indicated the site to be grass covered and with heavily vegetated boundaries and a vegetated lower eastern area. The area to the west of the western field was utilised by the bus depot to park/store buses. The 2006 aerial photo indicated properties off Heol-y-Glo within the southwest corner had been demolished. The area between the main sites western boundary and the properties along Heol-y-Glo was now indicated to be utilised as allotment gardens. The area directly to the south of the site continued to be utilised as a bus depot with many buses stored around the depot buildings and parked on site within the southwest area.

4.0 SITE ENVIRONMENTAL SETTING

4.1 PHYSICAL SETTING

The site is situated on the eastern edge of Tonna within a mixed setting comprising rural areas to the north and east, residential development to the west and commercial use to the south.

The western field is located on land which falls gently to the east from an approximate maximum elevation of 42m Above Ordnance Datum (AOD) in the southwest corner to an approximate minimum elevation of 38m to 40m AOD on the eastern edge. The eastern field comprises a relatively level plateau at an approximate elevation of between 36m to 40m AOD which then falls steeply to the north and east to an approximate elevation of 27m AOD. The site continues to fall more shallowly in a northerly and easterly direction to a minimum elevation of approximately 26m AOD.

4.2 GEOLOGY

The 1:50,000 and 1:10,560 scale (Sheet N0. SS 79 NE) geological maps of the area indicate the site to be underlain by bedrock of the Brithdir Member of the Carboniferous period. These rocks typically comprise green-grey, Pennant sandstones with conglomerate lenses, thin mudstone/siltstone and seatearth interbeds and mainly thin coals. There are no strata dips indicated in the vicinity of the site but based on the information contained on the geological map and the Generalised Vertical Section the dips are likely to be sub-horizontal in a southerly direction. The nearest conjectural outcrops are of an unnamed thin coal seam approximately 60m to the south and the presumed Brithdir seam approximately 100m to the south. Both of these seams outcrop on higher ground within the hillside to the south of the site. This, combined with the southerly strata dip, indicate that these seams would not underlie the site.

The southwest to northeast orientated Neath Disturbance is located approximately 140m to the northwest of the site. This fault is a large smash belt feature causing a band of significant disturbance.

Superficial Hummocky (moundy) Glacial Deposits of the Quaternary period are indicated to overlie the solid strata. These deposits have a characteristic moundy topographic form composed of rock debris, clayey till and poorly to well-stratified sand and gravel. The geological boundary of these deposits is indicated along the southern boundary of the site and therefore they could thin in a southerly direction.

4.2 GEOLOGY (CONTINUED)

The main site area has remained historically undeveloped and therefore significant made ground is not anticipated above the superficial deposits across most of the site. Made ground would be anticipated within the southwest area associated with the construction of the houses and the depot yard.

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

Table 1: Summary of Anticipated Site Geology

Geological unit	Horizon	Description
Recent**	Topsoil/subsoil and localised made ground	Various materials
Quaternary	Hummocky (moundy) Glacial Deposits	Rock debris, clayey till and poorly to well-stratified sand and gravel
Carboniferous	Brithdir Member	Green-grey, Pennant sandstones with conglomerate lenses, thin mudstone/siltstone and seatearth interbeds and mainly thin coals

**made ground would be anticipated in the southwest area due to the former presence of residential properties and the yard area associated with the adjoining depot.

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 low to low/intermediate probability area, as between less than 1% and 1% to 3% of properties are above action level, and that therefore no radon protective measures would be necessary in the construction of new buildings within the site as a worst-case scenario.

4.4 MINING

The site is located within a coal mining reporting area and therefore a Consultants Coal Mining Report has been obtained from the Mining Remediation Authority and a copy is included in Appendix C. An appraisal of the mining data and its significance is presented below.

4.4 MINING (CONTINUED)

The Mining Remediation Authority states that there is "*No past mining recorded".* They also confirm that they do not anticipate any unrecorded shallow workings beneath the site and that no spine roadways have been recorded at shallow depth based on recorded data.

The nearest conjectural outcrops are of an unnamed thin coal seam approximately 60m to the south and the presumed Brithdir seam approximately 100m to the south. Both of these seams outcrop on higher ground within the hillside to the south of the site. This, combined with the southerly strata dip, indicate that these seams would not underlie the site.

The Mining Remediation Authority States that, with regards to mine entries that there are "*none recorded within 100m of the enquiry boundary."*

The Mining Remediation Authority states that there are *"no faults, fissures or breaklines recorded."*

The Mining Remediation Authority states that there are no managed tips recorded within 500m of the site boundary. The latest guidance published by the Welsh Government and its partners include a Mining and Coal Tip Safety document, published on the 14th November 2023, which assigns an identification number (UID), a category, and the immediate status of each disused coal tip in Wales. This document indicates the presence of a Category B Tip with a UID of T76597 approximately 300m southwest of the site. A Category B Tip is a tip which is considered to have a unlikely potential to impact public safety.

The Mining Remediation 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 Mining Remediation 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."*

The Mining Remediation Authority states that no mine gas has been recorded within 500m of the enquiry boundary. However, a mine gas risk assessment should always be undertaken within coal mining areas in order to satisfy the guidelines within CL:AIRE document Good Practice for Risk Assessment for Coal Mine Gas Emissions, dated October 2021.

4.4 MINING (CONTINUED)

The site is not located within a high-risk development area but based on the above guidelines a mine gas risk assessment should still be undertaken. The initial desk-based assessment of the site will be utilised in order to develop the level of mine gas risk within the site.

There are many sources of gas in mine workings including desorption of gas from coal and rocks, oxidation of coal, decomposition of old wood (such as pit props) and acidic mine drainage reacting with carbonate in the rocks around the seam or shaft. These gases, if produced within the old workings, would need a viable pathway to the surface such as a shaft or fractured rock above the workings.

The desk study shows that the site is not located within a high-risk development area. Shallow coal workings are not recorded and there are no potential shallow unrecorded workings beneath the site.

There are no mine entries located within 100m of the site boundary. It is therefore concluded that there are no viable pathways, via old shafts or adits, for any mine gas beneath, or within an influencing distance, of the site.

No faults, fissures or breaklines are known to affect the development site. It is therefore concluded that there are no viable pathways via fractured rock or fault zones.

Based on the desk-based research, the potential risk from coal mine gas emissions at the development site is considered below:

Figure 13.1 Decision Support Tool for Mine Gas Risk Assessment, included within CL:AIRE document Good Practice for Risk Assessment for Coal Mine Gas Emissions, dated October 2021 includes a flow chart to aid the risk assessment process and decision making.

Stage 1 of the flow chart asks if the site is within a Mining Remediation Authority defined Coal Mining Reporting Area. Since the site is located within a Mining Remediation Authority defined Coal Mining Reporting Area the flow chart then asks if all of the following statements are true:

- Mine entries >50m from site boundary
- Workings >150m depth
- No faults or other potential pathways connecting surface to deeper unflooded workings
- Outside area of past or probable shallow workings on Coal Authority viewer

4.4 MINING (CONTINUED)

Based on the information gained from the desk-based research, it is considered that the Stage 1 statements are true. The CL:AIRE document 'Good Practice for Risk Assessment for Coal Mine Gas Emissions dated October 2021' therefore classifies the site as being within a "Negligible Risk Zone" and states that mitigation is not required based on the proposed development of the site.

Based on the above information, the risk of mine gas migration to the proposed development is considered to be low, requiring no further consideration.

The Mining Remediation Authority Interactive map indicates that the site is not located within a high-risk development area. It is therefore concluded that there is not a risk of subsidence issues associated with the presence of shallow mining and therefore no further specific coal mining related investigation is required.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK

The Envirocheck report records the nearest water feature to be located on the eastern boundary of the site. The OS Water Network Lines map indicates this to be an unnamed surface water feature which flows towards the site. The nearest named feature is the Neath Canal located 94m to the north. The River Neath is located 128m to the north.

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.

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

The Envirocheck Report states that there are no active discharge consents and no groundwater or surface water abstractions recorded within 500m of the site boundary.

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

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

Table 2: Summary of Site Hydrology

Feature	Distance from site	Flow	Classification	Abstraction	Discharge
Unnamed surface water feature	Eastern edge	Northerly then westerly towards the site	Inland river	No	Not known
Neath Canal	94m north	South westerly	Canal	No	River Neath
River Neath	128m north	South westerly	Inland river	No	Swansea Bay
Surface run-off	On site	Flows into site drainage or into site	N/A	No	Not known
Site Drainage	On site	Not known	N/A	No	Not known

Table 3: Summary of Site Hydrogeology

Geological Unit	Aquifer Classification	Aquifer Characteristics	Source Protection Zone	Groundwater Abstractions
Topsoil/subsoil and localised made ground	Not classified	Highly variable permeability and porosity. Perched water may be present with variable flow directions.	No	None
Hummocky (moundy) Glacial Deposits	Secondary A Aquifer	Variable moderate permeability and porosity with intergranular flow possible. Variable clay content could restrict flow.	No	None
Brithdir Member	Secondary A Aquifer	Variable moderate permeability sandstones with conglomerate lenses, mudstone/siltstone and mainly thin coals capable of supporting water supplies at a local rather than strategic scale	No	None

The Groundwater Vulnerability map of the area indicates the secondary superficial and bedrock aquifer to have a medium 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.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

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

The BGS Groundwater Flooding Susceptibility map indicates the north western area of the site to have limited potential for groundwater flooding to occur. It also indicates that the southern and eastern areas have potential for groundwater flooding of property situated below ground level. There is also potential for groundwater flooding to occur at surface within the eastern area and the southwest corner of the site.

4.6 LANDFILL SITES

The Envirocheck Report indicates that there are no BGS recorded, historical or local authority recorded landfill sites or any licensed waste management facilities located within 500m of the site boundary.

There are records of two areas of potentially infilled land (water) within 250m of the site. The areas are located 205m and 210m to the northeast of the site associated with the slight realignment of the River Neath.

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. A summary of the potential contaminants can be found in the tables.

4.7 POTENTIAL CONTAMINATION (CONTINUED)

Table 4: Potential Contaminants		
Land Use: Main site comprised undeveloped land up until the present day		
Material/Process	**Contamination/Hazard**	**Evidence**
Possible agricultural land	No potential contaminants	Historical maps
Potential for localised disturbed or made ground on field boundaries or in gateways associated with the agricultural use	Metals, semi metals, non-metals, PAH, asbestos	Anecdotal
Construction of houses within the southwest area by the 1970's which would have disturbed the ground and may have utilised imported materials of unknown origin. Further disturbance during demolition by 2006	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Creation of yard area for the adjacent bus depot within the southwest area which may have utilised imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Area utilised to park/store buses with potential risk of localised fuel/oil leaks	Petroleum hydrocarbons-fuel/oil	Aerial photos/anecdotal

Existing Uses

The main site development area is currently undeveloped and utilised as agricultural land. The southwest area which was formerly developed has been cleared of properties and has no current use. The yard area associated with the bus depot is located within the southwest area.

Adjacent Site Uses

Table 5: Potential Contaminants: Adjacent Site Uses		
Potential Contamination Source	**Boundary**	**Associated Contaminants and Hazards**
Allotment gardens, residential development and Heol-y-Glo	Western	No Potential Contaminants
Bus depot and woodland	Southern	No Potential Contaminants
Undeveloped land	Eastern	No Potential Contaminants
Existing road	Northern	No Potential Contaminants

4.8 OTHER ENVIRONMENTAL ISSUES

The Envirocheck Report indicates that there are areas of ancient woodland located to the south of the site within Wenallt Wood and across the southeast corner of the site. Additional areas of ancient woodland are indicated beyond the road to the north and northeast. No other environmentally sensitive land has been identified within 1km of the site boundary.

The Envirocheck Report indicates that there have been no pollution incidents to controlled waters recorded on site but two within 500m of the site boundary. The two incidents were recorded 181m and 185m to the northeast and were Category 3-Minor Incidents involving an overflow of mine water due to vandalism.

There have been no substantiated pollution incidents registered on site or recorded within 1km of the site boundary.

There have been no prosecutions or historical prosecutions recorded on site or recorded within 500m of the site boundary.

The bus depot to the south of the site is registered as a Point of Interest-Public Infrastructure.

The field boundaries and the lower eastern area of the site are heavily vegetated. It is not known if any invasive plant species are present and therefore it would 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.

In accordance with S4UL/C4SL and CLEA guidance for a standard residential with homegrown produce 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 with homegrown produce 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 Brithdir Member and the overlying Hummocky (moundy) Glacial Deposits.

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 main site development area has remained historically undeveloped up until the present day apart from a small outbuilding in the southwest corner of the eastern field. Localised reworked or disturbed ground may be present in the vicinity of the building, on field boundaries or in gateways associated with general agricultural use. More extensive made ground could be present within the southwest area associated with the construction and subsequent demolition of the residential properties and also in the vicinity of the yard area associated with the bus depot.

Where any made ground is present 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,
- Localised petroleum hydrocarbons in the vicinity of the yard area associated with the bus depot,
- Asbestos within the shallow made ground.

Additionally, it would be prudent to check topsoil/subsoil for reuse in gardens and landscaped areas.

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.

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL (CONTINUED)

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

Table 6: Preliminary Conceptual Exposure Model

Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Made Ground of unknown origin and historical land uses and in-situ soils	Metals, semi-metals, non-metals, PAH, 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	Groundwater quality	Leaching from made ground	✓
	Metals, semi-metals, inorganics, PAH	Surface water quality	Transportation within groundwater	✓
Localised petroleum hydrocarbons within bus depot yard area	Petroleum hydrocarbons-fuels/oils	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	✓
	Petroleum hydrocarbons-fuels/oils	Groundwater quality	Leaching from made ground	✓
	Petroleum hydrocarbons-fuels/oils	Surface water quality	Transportation within groundwater	✓
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 and Mine 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	X Significant thickness of gas producing materials are not anticipated. No off-site sources identified, and mine gas risk is negligible. No radon protective measures required

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	
(Variable)	Topsoil/subsoil across the majority of the site with potential localised made ground and/or reworked materials.
Quaternary	
(Hummocky (moundy) Glacial Deposits)	Rock debris, clayey till and poorly to well-stratified sand and gravel
Carboniferous	
(Brithdir Member)	Green-grey, Pennant sandstones with conglomerate lenses, thin mudstone/siltstone and seatearth interbeds and mainly thin coals

Made ground would not be anticipated to be widespread across the site as it has historically remained undeveloped. Localised made ground or disturbed ground could be present in the vicinity of the small outbuilding, on field boundaries or in gateways associated with agricultural use. More extensive made ground should be anticipated within the previously developed southwest area of the site. Made ground or disturbed ground would also be anticipated in the vicinity of the yard area associated with the bus depot.

The thickness and nature of the superficial deposits is not known but could thin towards the southern boundary of the site due to the deposits being absent to the south.

It is possible that bedrock could be encountered within the southern area of the site due to the potential for thin superficial deposits.

Localised seepages of groundwater could be encountered in the shallow soils particularly within the more granular superficial deposits. Groundwater would be at greater depth within the weathered bedrock.

6.0 ANTICIPATED GROUND CONDITIONS (CONTINUED)

Soil Infiltration Potential

The Hummocky (moundy) Glacial Deposits are known to be highly variable in nature but often have potential to be of a more granular composition. The viability of soakaways within these materials is difficult to assess without site specific data due to the variability of the infiltration characteristics of these materials. However, due to the potential for the materials to be more granular in nature, acceptable soil infiltration rates could be achieved.

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
Site sensitivity		
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 mixed residential and rural area with a bus depot to the south

7.1 ENVIRONMENTAL RISK ASSESSMENT (CONTINUED)

Table 7: Environmental Risk Assessment (Continued)

Issue	Risk Category	Comments
Contamination potential		
Potential for significant on-site contamination	Low locally medium	• The main proposed development area has remained historically undeveloped • Potential for made ground within the southwest area associated with the construction of the residential properties and the use as a bus depot • Potential for hot spots/areas associated with the demolition of the former residential properties • Potential for localised made ground or reworked materials on field boundaries or in gateways associated with agricultural use
Potential for contaminants migrating off from the site	Low	
Potential for contaminants migrating onto the site	Low	
Potential for other environmental issues to give rise to liabilities	Low	
Environmental Consequences		
Risk of pollution of controlled waters	Low locally medium	• Any made ground encountered beneath the site is not anticipated to be significant and likely to be mainly within the southwest area associated with the construction and subsequent demolition of the residential properties and the use as a bus depot. No historical development within the main proposed development area
Risk of damage to future property	Low locally medium	
Risk of harm to human health	Low locally medium	
Business Consequences		
Risk of liability for owner	Low	• Previous and current land use not likely to produce significant contaminants but hot spots/areas should be anticipated particularly within the southwest area
Likelihood of designation as Contaminated Land under EPA 1990	Low	
Risk of site value and/or saleability being affected	Low	
Overall Risk	Low locally 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.

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 near trees or hedgerows
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 any soft spots/areas
Silt rich soils susceptible to rapid loss of strength in wet conditions		✓		All formations should be protected from wet weather and site traffic
Adverse ground chemistry (including expansive slags, weathering of sulphides to sulphates)			✓	
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		✓		Potential for differences in founding levels due to the variable superficial deposits. Also differences between the previously developed and undeveloped areas. Allowances should be made for variable foundation depths

✓** most likely within the southwest area.

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	
Existing sub structures (e.g. foundations and pits)	✓			Residential properties were located within the southwest area. It is unclear if any buried obstructions remain. Allowances should be made for deeper foundations if grubbing up of buried obstructions caused significant disturbance
Ground subject to vibration			✓	
Underground mining (shallow)			✓	
Mine entries (shafts and adits, bell pits)			✓	
Ground subject to or at risk of coastal or river erosion			✓	
Ground subject to, or at risk from landslips or slope instability		✓		The eastern area of the site is steeply sloping but no development has been proposed for this area of the site. Care should be taken during adjacent construction works to not add any additional load to this slope. A slope stability assessment may become required
High water table (including waterlogged ground)		✓		Waterlogged ground is not anticipated but could be present within lower lying areas. Any water should be dealt with using traditional pumping techniques
Culverted watercourses			✓	
Rising groundwater table due to diminishing abstraction in urban areas or cessation of deep mining			✓	

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 and floor slab design
- Excavation stability design
- Remediation requirements
- Soil infiltration potential
- 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;
- 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:

- Trial pits could be used to examine the shallow ground conditions and include BRE 365 compliant soil infiltration testing within selected trial pits,
- Laboratory chemical testing to determine soil chemistry to include a range of organic and inorganic contaminants, and also screening for asbestos,
- Laboratory geotechnical testing to determine soil plasticity.

Further works in the form of deeper boreholes may become required if competent ground is not encountered at shallow depths or if significant made ground or organic material is encountered that would require a programme of gas monitoring. Allowances should also be made for additional testing, if deemed necessary, based on the initial site investigation findings.

A slope stability assessment of the eastern area of the site may be required.

APPENDIX A

ENVIROCHECK REPORT

Intégral
Géotechnique

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
380126677_1_1

Customer Reference:
14277/LP

National Grid Reference:
278280, 199300

Slice:
A

Site Area (Ha):
3.16

Search Buffer (m):
1000

Site Details:

Heol y Glo
Tonna
SA11 3NJ

Client Details:

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

Intégral Géotechnique

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Data Suppliers	88
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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

Intégral Géotechnique

Summary

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 3				29
Prosecutions					
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 10				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 10		Yes		
Pollution Incidents to Controlled Waters	pg 10		2		35
Historical Prosecutions	pg 17				1
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 17				9 (*16)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 23	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 23	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 23	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 23		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 24		Yes	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 24		38	51	152
Water Framework Directive - Catchment	pg 51	Yes			Yes
Water Framework Directive - Groundwater	pg 51	Yes			
Water Framework Directive - Surface Waters	pg 51		Yes		Yes

Intégral Géotechnique

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 53				1
Local Authority Landfill Coverage	pg 53	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 53			2	9
Potentially Infilled Land (Water)	pg 53		2	3	4
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 55				2
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 55				1
Planning Hazardous Substance Consents	pg 55				1
Planning Hazardous Substance Enforcements					

Intégral Géotechnique

Summary

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 56	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 56	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 65			5	18
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 68	Yes	n/a	n/a	n/a
Mining Instability	pg 69	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 69	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 69		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 69	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 69	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 70		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 70	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 71		5	1	7
Fuel Station Entries					
Points of Interest - Commercial Services	pg 72			3	
Points of Interest - Education and Health	pg 72		4		
Points of Interest - Manufacturing and Production	pg 72		1		25
Points of Interest - Public Infrastructure	pg 74	1		3	11
Points of Interest - Recreational and Environmental	pg 76		2		3
Underground Electrical Cables					

Intégral Géotechnique

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 77	2	11	17	41
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
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: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	0	1	278279 199300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	0	1	278350 199300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	0	1	278400 199300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	0	1	278250 199299
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (N)	0	1	278279 199299
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	0	1	278300 199299
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	0	1	278400 199299
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	0	1	278279 199350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	0	1	278150 199250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	0	1	278200 199250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	278300 199400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	0	1	278150 199200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	13	1	278450 199350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	16	1	278450 199300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	31	1	278100 199200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	42	1	278279 199450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	65	1	278500 199300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	69	1	278279 199150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	70	1	278300 199200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	88	1	278200 199450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	91	1	278150 199100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	92	1	278300 199500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	97	1	278400 199500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	97	1	278050 199150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	135	1	278200 199500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	142	1	278279 199550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	143	1	278000 199150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	149	1	278150 199500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	164	1	278300 199100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	170	1	278250 199550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	185	1	278500 199550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	194	1	278050 199500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	200	1	278279 199600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	209	1	278550 199550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	215	1	278250 199600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	231	1	278200 199600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	235	1	278000 199000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	236	1	277900 199150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	243	1	278300 199650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	248	1	278279 199650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (SW)	254	1	277900 199100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	334	1	277900 199550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	342	1	278350 199750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	347	1	277800 199100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	352	1	278450 199750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (SW)	366	1	277800 199050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	388	1	277800 199000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	392	1	278350 199800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	394	1	278400 199800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	432	1	277750 199000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	450	1	278450 199850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	456	1	277750 198950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	461	1	277750 199550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	477	1	277700 199000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	491	1	277650 199100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	497	1	278850 199650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	500	1	278450 199900
1	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Water Supply Grid Location: Tonna S.Res Chl.Overfl Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0203001 Permit Version: 1 Effective Date: 2nd October 1989 Issued Date: 2nd October 1989 Revocation Date: 16th March 1994 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: To Land **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	595	2	277800 198700
2	**Discharge Consents** Operator: I G Pawan Property Type: Undefined Or Other Location: Penrhiw Angharad Isaf Farm Fairylan, Fairyland Rd. Tonna Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0101801 Permit Version: 1 Effective Date: 15th September 1988 Issued Date: 15th September 1988 Revocation Date: 11th July 1994 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: To Land **Status: Consent expired** Positional Accuracy: Manually corrected supplier location	A14SE (SE)	638	2	279000 199000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Symons T J Property Type: Domestic Property (Single) Location: Brynchwyth Farm Fairyland Road Tonn, Fairyland Road Tonna Neath. Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0143601 Permit Version: 1 Effective Date: 5th September 1989 Issued Date: 5th September 1989 Revocation Date: 10th October 1994 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: To Land **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	646	2	278700 198700
4	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Park Street Cso Park Street Tonna, In Road S/O 73 Park St, Neath, Sa11 3jq Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0353901 Permit Version: Not Supplied Effective Date: 6th February 2020 Issued Date: 6th February 2020 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of The Neath Canal **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	663	2	277465 199269
4	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Park Street Cso Park Street Tonna, Park Street, Neath Authority: Natural Resources Wales Catchment Area: NEATH - CONF WITH NEDD FECHAN AND MELLTE TO TL Reference: Bp0353901 Permit Version: 1 Effective Date: 31st March 2006 Issued Date: 31st March 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Neath Canal **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	683	2	277444 199257
4	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Park Street Cso Park Street Tonna, Park Street, Neath Authority: Natural Resources Wales Catchment Area: NEATH - CONF WITH NEDD FECHAN AND MELLTE TO TL Reference: Bp0353901 Permit Version: 1 Effective Date: 31st March 2006 Issued Date: 31st March 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Neath Canal **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	683	2	277444 199257

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: 73 Park St/Dulais Fach Rd Tonna Npt, 73 Park Street/Dulais Fach Road, Tonna, Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0064310 Permit Version: Not Supplied Effective Date: 31st March 2008 Issued Date: 7th March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Neath **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	789	2	277340 199150
5	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: 73 Park St/Dulais Fach Rd Tonna Npt, 73 Park Street/Dulais Fach Road, Tonna, Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: NEATH - CONF WITH NEDD FECHAN AND MELLTE TO TL Reference: Bp0064310 Permit Version: 2 Effective Date: 31st March 2008 Issued Date: 7th March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Neath **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	789	2	277340 199150
5	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: 73 Park St/Dulais Fach Rd Tonna Npt, 73 Park Street/Dulais Fach Road, Tonna, Neath, Neath Port Talbot Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0064310 Permit Version: 1 Effective Date: 9th October 1987 Issued Date: 9th October 1987 Revocation Date: 30th March 2008 Discharge Type: Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: River Neath - Tidal **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	789	2	277340 199150
5	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Tonna Sewer Overflow (Swo 5d) Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bw2902001 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 21st December 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	800	2	277330 199140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Calor Gas Works Overflow (Swo Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bw2902301 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 21st December 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	812	2	277320 199120
5	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Point Y.D/S Weir Tonna Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bb4000512 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 16th December 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	820	2	277310 199140
6	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 48 Neath River Bridge Adj Calor, Adj To Calor Gas, Tonna, Neath, Sa10 8ep Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0316601 Permit Version: Not Supplied 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 Environment: Freshwater Stream/River Receiving Water: River Neath **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	805	2	277322 199185
6	**Discharge Consents** Operator: Site Manager Property Type: Not Supplied Location: Calor Gas Ops Centre Aberdulais, Calor Gas Operations Centre, Neath, Neath Port Talbot Cbc, Sa10 8er Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0299601 Permit Version: Not Supplied Effective Date: 20th August 2002 Issued Date: 20th August 2002 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: Afon Nedd **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	805	2	277321 199203

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 48 Neath River Bridge Adj Calor, Near River Bridge, Cso 48, Adjacent Calor Gas, Neath Authority: Natural Resources Wales Catchment Area: NEATH - CONF WITH NEDD FECHAN AND MELLTE TO TL Reference: Bp0316601 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Neath **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	810	2	277316 199212
6	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 48 Neath River Bridge Adj Calor, Near River Bridge, Cso 48, Adjacent Calor Gas, Neath Authority: Natural Resources Wales Catchment Area: NEATH - CONF WITH NEDD FECHAN AND MELLTE TO TL Reference: Bp0316601 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Neath **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	810	2	277316 199212
6	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Dulais Fach Road Swo.5b At Riv Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bw2900101 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	816	2	277310 199210
7	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Aberdulais Ss77329900 Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0064311 Permit Version: 1 Effective Date: 9th October 1987 Issued Date: 9th October 1987 Revocation Date: 28th August 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath - Tidal **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	835	2	277320 199000

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: Farrit Sewer Overflow (Swo 6a) Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0056501 Permit Version: 3 Effective Date: 30th June 1992 Issued Date: 30th June 1992 Revocation Date: 31st August 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A12SW (W)	854	2	277300 199000
7	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Farrit Sewer Overflow (Swo 6a) Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0056501 Permit Version: 2 Effective Date: 30th July 1991 Issued Date: 30th July 1991 Revocation Date: 29th June 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A12SW (W)	854	2	277300 199000
7	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Farrit Sewer Overflow (Swo 6a) Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0056501 Permit Version: 1 Effective Date: 10th November 1987 Issued Date: 10th November 1987 Revocation Date: 29th July 1991 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A12SW (W)	854	2	277300 199000
7	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Farrit Sewer Overflow (Swo 6a) Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bw2901901 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 21st December 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A12SW (W)	854	2	277300 199000

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: Swo. Point X. D/S Weir Tonn Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bb4000511 Permit Version: 1 Effective Date: 8th November 1972 Issued Date: 8th November 1972 Revocation Date: 16th December 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Neath **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	872	2	277290 198970
8	**Discharge Consents** Operator: Site Manager Property Type: Not Supplied Location: Calor Gas Ops Centre Aberdulais, Calor Gas Operations Centre, Neath, Neath Port Talbot Cbc Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0299501 Permit Version: Not Supplied Effective Date: 20th August 2002 Issued Date: 20th August 2002 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Waste Site) Discharge Environment: Freshwater Stream/River Receiving Water: Afon Nedd **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A11SE (W)	871	2	277255 199225
8	**Discharge Consents** Operator: Site Manager Property Type: Wholesale Distribution Fuels & Metals Location: Calor Gas Ops Centre Aberdulais, Calor Gas Operations Centre, Neath, Neath Port Talbot Cbc Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0299501 Permit Version: 1 Effective Date: 20th August 2002 Issued Date: 20th August 2002 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips) Discharge Environment: Freshwater Stream/River Receiving Water: Afon Nedd **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A11SE (W)	871	2	277255 199225
9	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso Outside Visitor Centre, Aberdulais, Outside Aberdulais Tin Works Visitor Centre, Main Rd (A4109), Neath, Sa10 8eu Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0316401 Permit Version: Not Supplied Effective Date: 18th September 2019 Issued Date: 18th September 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dulais **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A11NE (W)	941	2	277204 199408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 17 Under Old Rd Brdge Abrdulais, Cso 17 Under Old Road Bridge, Aberdulais, Neath, Wales Authority: Natural Resources Wales Catchment Area: DULAIS - HEADWATERS TO CONFLUENCE WITH RIVER NEATH Reference: Bp0316401 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dulais **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A11NE (W)	941	2	277204 199408
9	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 17 Under Old Rd Brdge Abrdulais, Cso 17 Under Old Road Bridge, Aberdulais, Neath, Wales Authority: Natural Resources Wales Catchment Area: DULAIS - HEADWATERS TO CONFLUENCE WITH RIVER NEATH Reference: Bp0316401 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dulais **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A11NE (W)	941	2	277204 199408
9	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: A'Dulais Maesgwyn Swo5a Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bw2900201 Permit Version: 1 Effective Date: 17th June 1963 Issued Date: 17th June 1963 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Dulais **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A11NE (W)	954	2	277190 199400
10	**Local Authority Pollution Prevention and Controls** Name: Calor Gas Ltd Location: Customer Operations Centre, Scapa Works, Aberdulais, Neath, SA10 8ER Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/111 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	757	3	277370 199184
	Nearest Surface Water Feature	A13NE (E)	1	-	278433 199321
11	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Rhys Farm, Site Bank Quay Authority: Environment Agency, Welsh Region Pollutant: Mining Water Note: Vandalism Incident Date: 12th May 1996 Incident Reference: 28290 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	A13NE (NE)	181	4	278500 199545

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Pollution Incidents to Controlled Waters** Property Type: Abandoned mine Location: Rhys Farm, Sluice Gate Authority: Environment Agency, Welsh Region Pollutant: Mining Water Note: Vandalism Incident Date: 12th May 1996 Incident Reference: 28290 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	A13NE (NE)	185	4	278500 199550
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Outside The Whitting Pub In Park Street, TONNA Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Deliberate Incident Date: 10th March 1997 Incident Reference: 31497 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	A12SW (W)	637	4	277500 199100
13	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Heol Dyddwr, Tonna, NEATH Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 6th August 1996 Incident Reference: 29467 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	A7NW (SW)	701	4	277500 198900
14	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Neglect Incident Date: 17th April 1996 Incident Reference: 28262 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	A12NW (W)	731	4	277400 199300
15	**Pollution Incidents to Controlled Waters** Property Type: Process Location: Lower End Of, Calor Works, ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Sewage Sludge Note: Not Supplied Incident Date: 11th February 1992 Incident Reference: 2990 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	A12SW (W)	736	4	277400 199100
16	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Below Ynysnedd Farm, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Mining Water Note: Not Supplied Incident Date: 18th April 1996 Incident Reference: 28264 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	A14NE (E)	748	4	279150 199600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: At Calor Gas Pool Authority: Environment Agency, Welsh Region Pollutant: Mining Water Note: Weather Incident Date: 12th February 1997 Incident Reference: 31146 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	A12SW (W)	758	4	277400 199000
18	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Canal Side, ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor Management; Neath Canal Overflow Incident Date: 20th November 1998 Incident Reference: 37271 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	A12SW (W)	776	4	277350 199200
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Left Bank 10, Yards Down Stream Of Road, ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Accidental Spillage/Leakage Incident Date: 9th March 1992 Incident Reference: 3930 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	A12SW (W)	821	4	277305 199195
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Aberdulais Just, Below Road Bridge Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 9th March 1992 Incident Reference: 3930 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	A12SW (W)	826	4	277300 199195
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Aberdulais, 15 Yards Down, TONNA Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Accidental Spillage/Leakage Incident Date: 25th February 1992 Incident Reference: 3797 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	A12SW (W)	826	4	277300 199200
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Mcalpines, Lagoon Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Poor Operational Practise Incident Date: 25th May 1995 Incident Reference: 24223 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	801	4	277380 199520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewerage Location: Aberdulais Bridge, Calor Gas Works Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Deliberate Act Incident Date: 14th December 1991 Incident Reference: 1664 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	A12SW (W)	834	4	277300 199100
21	**Pollution Incidents to Controlled Waters** Property Type: Road Location: Confluence Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Poor Operational Practise Incident Date: 29th March 1995 Incident Reference: 23285 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	A12NW (W)	846	4	277300 199400
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: 100 Yards Below, Calor Gas Depot Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Mechanical Failure Incident Date: 8th August 1994 Incident Reference: 20741 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	854	4	277300 199000
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Below Gas, Depot, ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 17th July 1995 Incident Reference: 25115 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	856	4	277300 198995
23	**Pollution Incidents to Controlled Waters** Property Type: Road Location: ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Contaminated Groundwater Note: Poor Operational Practise Incident Date: 7th October 1994 Incident Reference: 21656 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leachate Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	873	4	277300 199500
24	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Aberdulais Falls Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 19th February 1996 Incident Reference: 27430 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	A11NE (W)	894	4	277250 199395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Aberdulais Falls Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 19th February 1996 Incident Reference: 27430 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	A11NE (W)	895	4	277250 199400
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Along Property By Falls Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 4th March 1997 Incident Reference: 31465 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	A11NE (W)	920	4	277220 199380
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 4th June 1996 Incident Reference: 28657 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	A11NE (W)	938	4	277205 199395
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Adjacent To A465 By, Afon Dulais Falls Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 30th June 1996 Incident Reference: 29016 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	A11NE (W)	939	4	277205 199400
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Between Waterfalls And, Enterprise Zone Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 4th June 1996 Incident Reference: 28657 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	A11NE (W)	940	4	277205 199405
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Below, Aberdulais Falls Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Silage Liquor Note: Not Supplied Incident Date: 1st April 1992 Incident Reference: 3687 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	A11NE (W)	943	4	277200 199395

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: Adjacent To, A465 By Afon, Dulais Falls Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 30th June 1996 Incident Reference: 29016 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	A11NE (W)	944	4	277200 199400
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Under A465 Roadbridge At, Aberdulais Falls Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 30th June 1996 Incident Reference: 29016 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	A11NE (W)	945	4	277200 199405
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Unknown; River Dulais Incident Date: 17th August 1998 Incident Reference: 36551 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	A11NE (W)	950	4	277195 199405
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Dulais Falls Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Unknown; River Dulais Incident Date: 4th July 1998 Incident Reference: 36337 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	A11NE (W)	955	4	277200 199450
26	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: National Trust Land At, ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: River Dulais; Run-Off Incident Date: 17th June 1997 Incident Reference: 32750 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	A11SE (W)	924	4	277205 199295
26	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: At Treforgan Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: River Dulais; Run-Off Incident Date: 17th June 1997 Incident Reference: 32750 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	A11SE (W)	929	4	277200 199295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Near Mcalpines Site, ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Natural Causes Incident Date: 15th May 1996 Incident Reference: 28319 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11NE (W)	930	4	277200 199300
27	**Pollution Incidents to Controlled Waters** Property Type: Abandoned mine Location: ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Weather Incident Date: 17th May 1996 Incident Reference: 28575 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	A11SE (W)	926	4	277200 199200
27	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Weather Incident Date: 17th May 1996 Incident Reference: 28575 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	A11SE (W)	926	4	277200 199195
28	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Aberdulais Falls Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Dulais; Overflow Incident Date: 18th December 1997 Incident Reference: 34381 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	A11NE (W)	962	4	277205 199495
28	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: River Dulais Incident Date: 21st November 1997 Incident Reference: 34364 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	A11NE (W)	967	4	277200 199495
28	**Pollution Incidents to Controlled Waters** Property Type: Road Location: From Old Esso, ABERDULAIS Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Inadequate Design/Capacity Incident Date: 19th October 1994 Incident Reference: 21588 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leachate Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A11NE (W)	968	4	277200 199500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Historical Prosecutions** Location: Canalside, NEATH, West Glamorgan, SA10 8ET Prosecution Text: Site Under Waste Management Licence Was Left Unsecured Prosecution Act: Epa90 S33(6) Hearing Date: 10th June 2002 Verdict: Guilty Fine: 750 Costs: 580 Positional Accuracy: Manually positioned to the road within the address or location	A11SE (W)	989	-	277137 199207
30	**Water Abstractions** Operator: Port Tennant Co Ltd Licence Number: 21/58/74/0001 Permit Version: 102 Location: River Neath To Tennant Canal At Aberdulais Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Port Tennant Canal Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	855	2	277280 199340
30	**Water Abstractions** Operator: Port Tennant Co Ltd Licence Number: 21/58/74/0001 Permit Version: 102 Location: River Neath To Tennant Canal At Aberdulais Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tennant Canal Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	855	2	277280 199340
30	**Water Abstractions** Operator: Port Tennant Co. Ltd Licence Number: 21/58/74/0001 Permit Version: 101 Location: River Neath To Tennant Canal At Aberdulais Authority: Environment Agency, Welsh Region Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tennant Canal Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	855	4	277280 199340
30	**Water Abstractions** Operator: Port Tennant Co. Ltd Licence Number: 21/58/74/0001 Permit Version: 100 Location: River Neath To Tennant Canal At Aberdulais Authority: Environment Agency, Welsh Region Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Neath To Tennant Canal At Aberdulais Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd January 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NW (W)	855	4	277280 199340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Water Abstractions** Operator: Port Tennant Co Ltd Licence Number: 21/58/74/0001 Permit Version: 103 Location: River Neath To Tennant Canal At Aberdulais Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 04 January Authorised End: 03 July Permit Start Date: 24th September 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	892	2	277239 199316
30	**Water Abstractions** Operator: Port Tennant Co Ltd Licence Number: 21/58/74/0001 Permit Version: 103 Location: River Neath To Tennant Canal At Aberdulais Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 24th September 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	892	2	277239 199316
30	**Water Abstractions** Operator: Port Tennant Co Ltd Licence Number: 21/58/74/0001 Permit Version: 103 Location: River Neath To Tennant Canal At Aberdulais Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tennant Canal Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 24th September 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	892	2	277239 199316
30	**Water Abstractions** Operator: Port Tennant Co Ltd Licence Number: 21/58/74/0001 Permit Version: Not Supplied Location: Tennant Canal, The Royal British Legion, Canal Side, Aberdulais, Neath, Neath Port Talbot, Sa10 8et Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	892	2	277239 199316

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Water Abstractions** Operator: Alfred Mcalpine Construction Ltd Licence Number: 21/58/72/0032 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Inland Water Afon Nedd Neath West Glam Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (W)	904	4	277240 199400
	Water Abstractions Operator: National Trust Licence Number: 21/58/73/0014 Permit Version: 100 Location: Afon Dulais At Aberdulais Falls Authority: Environment Agency, Welsh Region Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Afon Dulais At Aberdulais Falls Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (W)	1031	4	277150 199550
	Water Abstractions Operator: The National Trust Licence Number: Wa/058/0073/001 Permit Version: 2 Location: Afon Dulais Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Aberdulais, Neath, Glamorgan Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th March 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1033	2	277152 199564
	Water Abstractions Operator: The National Trust Licence Number: Wa/058/0073/001 Permit Version: Not Supplied Location: Aberdulais Falls Hep, The National Trust, Aberdulais Falls, Aberdulais, Neath, Sa10 8eu Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 319680 Yearly Rate (m3): 58000000 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1033	2	277152 199564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The National Trust Licence Number: Wa/058/0073/001 Permit Version: 1 Location: Afon Dulais At Aberdulais Falls Authority: Environment Agency, Welsh Region Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Aberdulais, Neath, Glamorgan Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st June 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1043	4	277159 199630
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0007 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Stream At Ynysnedd; Clyne To Neath Canal Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20SW (NE)	1186	4	279500 199900
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0035 Permit Version: 2 Location: River Neath At Tonna Lock Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Transfer between sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th February 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NE (W)	1220	2	276970 198830
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0035 Permit Version: Not Supplied Location: River Neath At Resolven, Resolven, Neath, Neath Port Talbot, Sa11 4ea Authority: Natural Resources Wales Abstraction: Private Water Undertaking: Transfer between sources Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NE (W)	1220	2	276970 198830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0007 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Stream At Lock House; Tonna To Neath Can Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NE (W)	1240	4	276970 198770
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0007 Permit Version: 101 Location: Inland Water River Neath In The Community Of Tonna Authority: Environment Agency, Welsh Region Abstraction: Private Water Undertaking: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1289	4	276900 198820
	Water Abstractions Operator: Neath Canal Navigation Licence Number: 21/58/72/0007 Permit Version: 100 Location: Inland Water River Neath In The Community Of Tonna Authority: Environment Agency, Welsh Region Abstraction: Private Water Supply: General Use (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Neath Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1289	4	276900 198820
	Water Abstractions Operator: Jones And Jones Renewables Ltd Licence Number: Wa/058/0074/008 Permit Version: 2 Location: Tan Y Rhiw Farm Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 6th March 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NE (N)	1433	2	277815 200740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Jones And Jones Renewables Ltd Licence Number: Wa/058/0074/008 Permit Version: 1 Location: Tan Y Rhiw Farm Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th November 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NE (N)	1433	2	277815 200740
	Water Abstractions Operator: Kevin Jones Jones And Jones Renewables Ltd Licence Number: Wa/058/0074/008 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 164160 Yearly Rate (m3): 59918400 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NE (N)	1433	2	277815 200740
	Water Abstractions Operator: Kevin Jones Jones And Jones Renewables Ltd Licence Number: Wa/058/0074/009 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): 0 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NE (N)	1433	2	277815 200740
	Water Abstractions Operator: Neath Golf Club Licence Number: 21/58/74/0018 Permit Version: 100 Location: Spring 2 Authority: Environment Agency, Welsh Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Spring 2 Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1822	4	276320 199460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Neath Golf Club Licence Number: 21/58/74/0018 Permit Version: 100 Location: Spring 1 Authority: Environment Agency, Welsh Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Spring 1 Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1977	4	276150 199280
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium 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: >10m Superficial Recharge: High	A13SW (N)	0	2	278279 199299
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: High	A13SE (S)	0	2	278282 199272
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (N)	0	2	278279 199299
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (N)	0	2	278279 199299
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	61	2	278281 199471
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	87	2	278245 199477
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	99	2	278237 199486
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	117	2	278253 199519
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	144	2	278247 199546

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	63	2	278241 199469
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	87	2	278245 199477
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	99	2	278237 199486
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	117	2	278253 199519
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	144	2	278247 199546
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 290.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (E)	1	5	278433 199321
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	9	5	278369 199416
34	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 652.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A13NW (N)	94	5	278246 199483
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 197.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NW (N)	106	5	278245 199496
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A13NE (NE)	114	5	278536 199431

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 42.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A13NE (NE)	114	5	278529 199445
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A13NE (NE)	118	5	278545 199421
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A13NE (NE)	119	5	278547 199419
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 146.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A13NE (NE)	120	5	278549 199416
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A13NE (NE)	127	5	278521 199470
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 178.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A13NW (N)	128	5	278275 199533
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 103.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A13NW (N)	145	5	278269 199533
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NW (N)	145	5	278272 199533
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A13NE (NE)	155	5	278521 199505

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NW (N)	161	5	278270 199550
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	162	5	278449 199552
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 394.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A13NE (NE)	162	5	278449 199552
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 134.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A13NW (NW)	173	5	278168 199531
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	173	5	278445 199566
51	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 542.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A13NE (NE)	175	5	278502 199537
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	183	5	278421 199583
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 257.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	186	5	278444 199580
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	186	5	278444 199580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SW (SW)	190	5	277968 199106
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SW (SW)	190	5	277968 199106
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 248.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SE (SE)	210	5	278586 199130
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 143.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (N)	211	5	278291 199611
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (N)	212	5	278291 199611
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 400.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A13NW (NW)	215	5	278036 199516
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NW (NW)	215	5	278036 199516
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 300.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SE (SW)	217	5	277924 199138
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 73.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (N)	223	5	278298 199624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SW (SW)	227	5	277955 199055
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 153.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	228	5	278664 199349
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 138.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SW (SW)	233	5	277951 199050
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	238	5	278429 199638
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 200.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	238	5	278431 199638
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NW (NW)	243	5	278047 199557
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	269	5	278346 199676
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 82.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	279	5	278358 199686
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	279	5	278358 199686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	279	5	278440 199677
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NW (NW)	286	5	278060 199612
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 305.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	301	5	278379 199709
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NW (NW)	307	5	278058 199634
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 225.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SE (SE)	307	5	278507 198989
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 118.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	309	5	278441 199708
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 218.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SW (NW)	311	5	278059 199639
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 126.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	320	5	278757 199374
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (SW)	334	5	277952 198913

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (SW)	334	5	277952 198913
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	335	5	278760 199463
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 57.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (SW)	346	5	277970 198888
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NE (NW)	347	5	277868 199528
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 54.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	348	5	278308 199752
87	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 515.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A12NE (NW)	354	5	277867 199537
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (SW)	361	5	278014 198851
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 114.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (SW)	362	5	278018 198849
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 161.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	367	5	278788 199483

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 185.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	381	5	278618 199710
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	381	5	278616 199711
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	385	5	278616 199715
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 72.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	386	5	278192 198805
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	389	5	278614 199720
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	390	5	278136 198800
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	390	5	278138 198800
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	394	5	278125 198797
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	394	5	278125 198797

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	395	5	278830 199329
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	396	5	278220 198801
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	398	5	278224 198801
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 125.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	399	5	278224 198801
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 66.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NE (S)	399	5	278290 198808
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	409	5	278611 199745
106	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NE (S)	412	5	278290 198808
107	**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: Neath Primacy: 1	A18SE (NE)	413	5	278608 199751
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	422	5	278859 199392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 74.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	440	5	278877 199375
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	443	5	278878 199421
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 217.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12SE (W)	475	5	277654 199268
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	484	5	278657 199805
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 165.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	485	5	278670 199800
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	487	5	278661 199806
115	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	490	5	278666 199807
116	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	493	5	278671 199808
117	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	494	5	278672 199809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	495	5	278671 199810
119	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 66.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	496	5	278800 199712
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 72.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A19SW (NE)	496	5	278800 199712
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 113.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SW (NW)	504	5	278013 199828
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 82.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	504	5	278405 199910
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	504	5	278405 199910
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	504	5	278405 199910
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 245.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8NW (S)	504	5	278248 198699
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 84.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	506	5	278527 199889

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	508	5	278575 199875
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (NE)	508	5	278565 199878
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	510	5	278939 199466
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	517	5	278485 199912
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	520	5	278651 199850
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	520	5	278651 199850
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 125.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	521	5	278663 199845
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 133.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	523	5	278657 199851
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	524	5	278949 199486

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 283.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A19SW (NE)	527	5	278865 199682
137	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	527	5	278865 199682
138	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	529	5	278347 199936
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	537	5	278398 199944
140	**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: Neath Primacy: 1	A18SE (N)	541	5	278398 199947
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 69.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	543	5	278966 199496
142	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	544	5	278966 199501
143	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 265.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	545	5	278339 199952
144	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	556	5	278390 199963

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 52.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	565	5	278382 199972
146	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 522.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A12NE (NW)	575	5	277644 199594
147	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NE (NW)	575	5	277644 199594
148	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NE (NW)	585	5	277645 199618
149	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	594	5	279014 199514
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17SE (NW)	598	5	277673 199686
151	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SW (N)	606	5	278025 199941
152	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 59.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	610	5	279034 199503
153	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	612	5	278174 199995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 128.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	614	5	278174 199995
155	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 147.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	614	5	278375 200022
156	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 143.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	615	5	278373 200022
157	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	623	5	278771 199901
158	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	624	5	278751 199914
159	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	630	5	279035 199572
160	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A14NE (E)	632	5	279034 199584
161	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 515.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A12SW (W)	655	5	277481 199105
162	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	656	5	279080 199506

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	656	5	279080 199506
164	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 55.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A14NE (E)	656	5	279057 199586
165	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 54.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A14NE (E)	656	5	279057 199586
166	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	657	5	279087 199472
167	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	659	5	279077 199530
168	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 73.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NE (SW)	674	5	277636 198740
169	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	675	5	277590 198795
170	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 281.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	675	5	278477 198607
171	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A7NE (SW)	677	5	277650 198721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 0.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NE (SW)	677	5	277650 198721
173	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	678	5	277600 198778
174	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	681	5	279096 199546
175	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	681	5	279096 199546
176	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NE (SW)	686	5	277634 198724
177	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NE (SW)	686	5	277634 198724
178	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	687	5	279109 199517
179	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 454.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	689	5	279114 199503
180	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 175.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A12SW (W)	691	5	277436 199268

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
181	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NW (NE)	695	5	278746 199998
182	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	699	5	279111 199557
183	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	699	5	279111 199562
184	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	699	5	279111 199562
185	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	701	5	279116 199550
186	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	702	5	279121 199531
187	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	702	5	279111 199571
188	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	704	5	279125 199522
189	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 6.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 2	A14NE (E)	705	5	279108 199592

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
190	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	706	5	279131 199507
191	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 170.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NW (NE)	707	5	278751 200009
192	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 28.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A14NE (E)	710	5	279111 199598
193	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 100.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	722	5	279136 199556
194	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 115.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	723	5	278460 200124
195	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A14NE (E)	738	5	279137 199607
196	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 160.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A14NE (E)	738	5	279137 199607
197	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A14NE (E)	738	5	279129 199630
198	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 79.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A14NE (E)	738	5	279129 199630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
199	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	746	5	278755 198612
200	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	748	5	278745 198608
201	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NW (SE)	748	5	278779 198625
202	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NW (SE)	749	5	278786 198627
203	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 39.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NW (SE)	751	5	278798 198632
204	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 105.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 2	A12NW (W)	761	5	277392 199423
205	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 2	A12NW (W)	761	5	277398 199439
206	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 2	A12NW (W)	762	5	277393 199427
207	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NW (SE)	763	5	278836 198640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 213.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9NW (SE)	765	5	278843 198642
209	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 11.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 2	A12NW (W)	776	5	277357 199325
210	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 103.0 Watercourse Level: suspendedOrElevated Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 2	A12NW (W)	785	5	277348 199319
211	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 572.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A12SW (W)	801	5	277346 199040
212	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 130.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	804	5	278506 198476
213	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	807	5	278502 198470
214	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 46.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	811	5	278500 198466
215	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 81.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SE (E)	812	5	279193 199670
216	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 362.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A19SE (E)	812	5	279193 199670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 334.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	813	5	278546 200201
218	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	820	5	278457 198435
219	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	820	5	279233 199573
220	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	830	5	277480 198685
221	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	831	5	278471 198430
222	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	831	5	278626 198479
223	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	831	5	278448 198420
224	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SE (S)	831	5	278448 198420
225	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 102.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	832	5	279247 199563

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	833	5	277478 198683
227	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	833	5	278441 198414
228	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A8SE (S)	839	5	278444 198410
229	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	842	5	278438 198405
230	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	850	5	278440 198396
231	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	850	5	278440 198396
232	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 185.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	854	5	278448 198395
233	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	855	5	278437 198390
234	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	860	5	278655 198457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
235	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	861	5	278432 198382
236	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dulais Catchment Name: Neath Primacy: 1	A11SE (W)	863	5	277267 199296
237	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 134.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A8SE (S)	865	5	278430 198377
238	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 26.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 2	A11SE (W)	873	5	277255 199274
239	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 67.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 2	A11NE (W)	883	5	277249 199322
240	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 439.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dulais Catchment Name: Neath Primacy: 1	A11NE (W)	883	5	277249 199322
241	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A19SE (NE)	883	5	279256 199704
242	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SE (NE)	883	5	279256 199704
243	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	885	5	278691 198441

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
244	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A9SW (SE)	891	5	278696 198437
245	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 311.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A19SE (E)	893	5	279273 199688
246	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 406.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 2	A11SE (W)	897	5	277231 199263
247	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 265.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A3NW (S)	908	5	278052 198285
248	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 205.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A7NW (SW)	910	5	277408 198648
249	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SE (NE)	913	5	279282 199720
250	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SE (NE)	920	5	279288 199723
251	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 284.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	938	5	278002 200279
252	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NE (NE)	949	5	279132 200020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
253	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NE (NE)	949	5	279091 200062
254	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NE (NE)	949	5	279091 200062
255	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 444.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Nedd Catchment Name: Neath Primacy: 1	A19NE (NE)	952	5	279145 200011
256	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A6NE (W)	953	5	277222 198916
257	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 192.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Neath Canal Catchment Name: Neath Primacy: 1	A6NE (W)	955	5	277218 198920
258	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 127.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A3NE (S)	955	5	278364 198263
259	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 46.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A3NE (S)	955	5	278364 198263
260	**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: Neath Primacy: 1	A19NE (NE)	957	5	279036 200121
261	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NE (NE)	966	5	279101 200075

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
262	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A15SW (E)	967	5	279389 199161
263	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 128.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A15SW (E)	967	5	279389 199161
264	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 124.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A15SW (E)	970	5	279392 199158
265	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A3NE (S)	980	5	278513 198285
266	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (N)	982	5	277915 200300
267	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A17NE (N)	982	5	277932 200304
268	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 154.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NE (NE)	983	5	279067 200129
269	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A3NE (S)	993	5	278400 198233
270	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NE (NE)	995	5	279121 200097

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
271	**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: Neath Primacy: 1	A3NE (S)	998	5	278404 198230
272	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A3NE (S)	998	5	278485 198255
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Neath - conf with Nedd Fechan and Mellte to TL WaterBody ID: GB110058032430 Operational Catchment: Neath Management Catchment: Tawe to Cadoxton Catchment Name: Not Supplied	A13SW (N)	0	2	278279 199299
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Dulais - headwaters to confluence with River Neath WaterBody ID: GB110058032360 Operational Catchment: Neath Management Catchment: Tawe to Cadoxton Catchment Name: Not Supplied	A17NE (NW)	767	2	277880 200060
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Pelenna - headwaters to confluence with Afan WaterBody ID: GB110058026140 Operational Catchment: Afan Management Catchment: Tawe to Cadoxton Catchment Name: Not Supplied	A9NE (SE)	935	2	279150 198690
	Water Framework Directive - Groundwater Waterbody Name: Swansea Carboniferous Coal Measures Waterbody ID: GB41002G201000 URL Address: Not Available Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Good Year: 2023	A13SW (N)	0	2	278279 199299
273	**Water Framework Directive - Surface Waters** Class Code: Canal Waterbody Name: Neath Canal Waterbody ID: GB71010012 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: High Classification Year: 2023	A13NW (N)	94	2	278248 199483
274	**Water Framework Directive - Surface Waters** Class Code: River Waterbody Name: Neath - conf with Nedd Fechan and Mellte to TL Waterbody ID: GB110058032430 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: High Classification Year: 2023	A13NW (N)	128	2	278260 199532
275	**Water Framework Directive - Surface Waters** Class Code: River Waterbody Name: Dulais - headwaters to confluence with River Neath Waterbody ID: GB110058032360 URL Address: Not Supplied Overall Rating: Good Chemical Rating: High Classification Year: 2023	A12NW (W)	860	2	277271 199310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
276	**Water Framework Directive - Surface Waters** Class Code: Canal Waterbody Name: Tennant Canal Waterbody ID: GB71010013 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: High Classification Year: 2023	A11SE (W)	872	2	277256 199275

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
277	**Licensed Waste Management Facilities (Locations)** Licence Number: AB3697FW Location: Ynysgerwyn Depot, Aberdulais, Neath, SA10 8HN Operator Name: Huw Jones Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: HCI Waste TS + treatment **Licence Status: Effective** Issued: 22nd December 2017 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	A19NW (NE)	938	2	278944 200163
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	3	278279 199299
278	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	325	-	278107 198867
279	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	374	-	278251 198826
280	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NE (SW)	502	-	277713 198922
281	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SW (SE)	522	-	278866 199000
282	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NE (SW)	560	-	277635 198945
283	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NW (SW)	609	-	277584 198937
284	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	768	-	277652 198595
285	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	795	-	277712 198519
286	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	817	-	277696 198503
287	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	873	-	278597 198430
288	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	932	-	278535 198348
289	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	205	-	278485 199582
290	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	210	-	278540 199557

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
291	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	392	-	278684 199679
292	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	394	-	278711 199657
293	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19SW (NE)	419	-	278691 199707
294	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19SW (NE)	536	-	278807 199762
295	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12SW (W)	675	-	277455 199148
296	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NW (SW)	936	-	277374 198648
297	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A9SW (SE)	942	-	278884 198461

Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
298	**Control of Major Accident Hazards Sites (COMAH)** Name: Calor Gas Limited Location: Scapa Works, Aberdulais, Neath, West Glamorgan, SA10 8ER Reference: Not Supplied Type: Upper Tier **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	759	6	277367 199193
298	**Control of Major Accident Hazards Sites (COMAH)** Name: Calor Transport Depot Location: Baglan Road, NEATH, West Glamorgan, SA10 8ER Reference: Not Supplied Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Automatically positioned to the address	A12SW (W)	759	6	277367 199193
299	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: Calor Gas Limited Location: Aberdulais, NEATH, West Glamorgan, SA10 8ER **Status: Not Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	755	6	277372 199188
300	**Planning Hazardous Substance Consents** Name: Calor Gas Ltd Location: Scapa Works, Aberdulais, NEATH, West Glamorgan, SA10 8ER Authority: Neath Port Talbot County Borough Council, Planning Department Application Ref: Phs 001 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: Not Supplied **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Automatically positioned to the address	A12SW (W)	759	7	277367 199192

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13SW (N)	0	1	278279 199299
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (N)	0	1	278279 199299
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	0	1	278282 199272
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	1	1	278145 199193
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	2	1	278289 199243
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	67	1	278283 199472
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (NW)	144	1	278159 199506

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 Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	146	1	278314 199127
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	183	1	278144 199538
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	193	1	278167 199550
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	209	1	278000 199033
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	260	1	278350 199667
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (SE)	441	1	278567 198857

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 Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SE (SW)	468	1	277710 199000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NW (S)	522	1	278183 198668
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	545	1	277835 199781
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	548	1	278541 198734
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	577	1	278402 199985
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12NE (NW)	580	1	277646 199608

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 Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NE (N)	593	1	278375 200000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17SE (NW)	593	1	277657 199652
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	608	1	278335 200017
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	626	1	277500 199299
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12NW (NW)	633	1	277588 199610
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17SE (NW)	636	1	277772 199845

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (NW)	659	1	277978 199981
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	660	1	277500 199008
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	663	1	277500 199000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NW (NW)	673	1	277956 199988
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (SW)	679	1	277500 198955
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NW (N)	686	1	278072 200036

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	688	1	277474 199000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	693	1	277439 199126
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7NW (SW)	712	1	277478 198922
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9SW (SE)	722	1	278691 198608
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NW (N)	725	1	278029 200065
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	780	1	277382 198984

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12NW (W)	784	1	277393 199500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	784	1	277373 199000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	810	1	277350 198988
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (SW)	858	1	277428 198709
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (SW)	859	1	277343 198863
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19NW (NE)	870	1	278812 200162

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 Concentration: 45 - 60 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12NW (W)	875	1	277297 199500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	903	1	277841 200189
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NE (N)	904	1	278453 200310
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17NE (NW)	906	1	277810 200180
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19NW (NE)	917	1	278786 200228
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19NW (NE)	925	1	278872 200191

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 Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A23SE (N)	927	1	278404 200334
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9SW (SE)	941	1	278854 198447
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A23SE (N)	969	1	278529 200365
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SE (W)	988	1	277140 199285
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7SW (SW)	992	1	277500 198431
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A6NE (W)	997	1	277176 198915

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
301	**BGS Recorded Mineral Sites** Site Name: Wenallt Wood Location: Aberdulais, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154294 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SW (E)	252	1	278682 199280
302	**BGS Recorded Mineral Sites** Site Name: Penlan-Fach Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154301 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	A8NW (S)	324	1	278108 198868
303	**BGS Recorded Mineral Sites** Site Name: Wenallt Colliery Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154279 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (S)	403	1	278141 198788
304	**BGS Recorded Mineral Sites** Site Name: Wenallt Colliery Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154278 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (S)	413	1	278305 198813
305	**BGS Recorded Mineral Sites** Site Name: Bryn-Chwyth Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154281 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	A8NE (SE)	463	1	278476 198826
306	**BGS Recorded Mineral Sites** Site Name: Craig-Y-Tonna Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154299 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	A7NE (SW)	508	1	277709 198918

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
307	**BGS Recorded Mineral Sites** Site Name: Wenallt Wood Location: Aberdulais, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154295 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	528	1	278874 199001
308	**BGS Recorded Mineral Sites** Site Name: Wenallt Colliery Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154280 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (S)	534	1	278203 198661
309	**BGS Recorded Mineral Sites** Site Name: Craig-Y-Tonna Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154298 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	A7NE (SW)	561	1	277630 198952
310	**BGS Recorded Mineral Sites** Site Name: Craig-Y-Tonna Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154300 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	A7NE (SW)	580	1	277871 198676
311	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154400 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	641	1	278253 198560
312	**BGS Recorded Mineral Sites** Site Name: Cefn-Yr-Alt Location: Aberdulais, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154302 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	A17SE (NW)	669	1	277734 199856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
313	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154392 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)	690	1	277756 198616
314	**BGS Recorded Mineral Sites** Site Name: Cae'R-Graig Location: Aberdulais, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154293 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	768	1	278661 200120
315	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154435 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	790	1	277642 198575
316	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154395 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	804	1	278692 198526
317	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154436 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	A7NW (SW)	814	1	277532 198646
318	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154434 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	822	1	277706 198491

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
319	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154450 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	845	1	278662 198474
320	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154396 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	876	1	278591 198426
321	**BGS Recorded Mineral Sites** Site Name: Cydgoed Quarry Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 14832 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	A7SW (SW)	930	1	277515 198500
322	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154397 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SE (S)	933	1	278530 198344
323	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154391 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	A7SW (SW)	934	1	277424 198588
	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.	A13SW (N)	0	8	278279 199299

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	A13SW (N)	0	-	278279 199299
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	64	1	278272 199473
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	278194 199565
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	64	1	278272 199473
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	278194 199565
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	22	1	278293 199229
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	83	1	278272 199473
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	114	1	278199 199477
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	165	1	278340 199109
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	207	1	278259 199595
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	214	1	278010 199492
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	227	1	278284 199624
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	278275 199255
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	64	1	278272 199473
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	278194 199565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	64	1	278272 199473
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	278194 199565
	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	A13SW (S)	0	1	278279 199250
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	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	A13SW (S)	0	1	278279 199250
	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	A13SW (N)	0	1	278279 199299

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
324	**Contemporary Trade Directory Entries** Name: Tonna Car Sales Location: Tonna Uchaf, Tonna, Neath, West Glamorgan, SA11 3LJ Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	15	-	278146 199336
325	**Contemporary Trade Directory Entries** Name: K & L Patio Centre Location: Heol Y Glo, Tonna, Neath, West Glamorgan, SA11 3NJ Classification: Garden Ornament Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	28	-	278109 199240
326	**Contemporary Trade Directory Entries** Name: The Glamorgan Cleaning Co Location: 22, Heol y Graig, Tonna, Neath, West Glamorgan, SA11 3LZ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	138	-	278003 199153
327	**Contemporary Trade Directory Entries** Name: Tonna Hospital Location: Tonna Uchaf, Tonna, Neath, West Glamorgan, SA11 3LX Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	138	-	278035 199396
328	**Contemporary Trade Directory Entries** Name: D N Patterson & Son Location: Tonna Uchaf, Tonna, Neath, West Glamorgan, SA11 3LJ Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	184	-	277954 199284
329	**Contemporary Trade Directory Entries** Name: D W Rees Location: 87, Wenallt Road, Tonna, Neath, SA11 3QH Classification: Farriers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	364	-	277926 198894
330	**Contemporary Trade Directory Entries** Name: The Dust Doctors Location: 24, Brunel Close, Tonna, Neath, West Glamorgan, SA11 3JY Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	513	-	277638 199374
330	**Contemporary Trade Directory Entries** Name: L M Plumbing & Heating Services Location: 32, Brunel Close, Tonna, Neath, West Glamorgan, SA11 3JY Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	528	-	277632 199404
331	**Contemporary Trade Directory Entries** Name: Groundhog Location: Ynysygerwn Avenue, Aberdulais, NEATH, West Glamorgan, SA10 8HH Classification: Container Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	559	-	278081 199908
332	**Contemporary Trade Directory Entries** Name: Calor Gas Ltd Location: Scapa Works, Aberdulais, Neath, SA10 8ER Classification: Gas Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	759	-	277367 199193
332	**Contemporary Trade Directory Entries** Name: Calor Gas Ltd Location: Scapa Works, Aberdulais, Neath, SA10 8ER Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	759	-	277367 199193
333	**Contemporary Trade Directory Entries** Name: D E Davies Location: Wenallt Rd, Tonna, Neath, West Glamorgan, SA11 3HQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	835	-	277381 198837

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
334	**Contemporary Trade Directory Entries** Name: Taylors Of Martley Plc Location: Canal Side, Aberdulais, Neath, West Glamorgan, SA10 8ET Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11SE (W)	873	-	277254 199263
335	**Points of Interest - Commercial Services** Name: D W Rees Location: 87 Wenallt Road, Tonna, Neath, SA11 3QH Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	364	9	277926 198894
335	**Points of Interest - Commercial Services** Name: David W Rees Location: 87 Wenallt Road, Tonna, Neath, SA11 3QH Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	364	9	277926 198894
335	**Points of Interest - Commercial Services** Name: D W Rees Location: 87 Wenallt Road, Tonna, SA11 3QH Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	364	9	277926 198894
336	**Points of Interest - Education and Health** Name: Tonna Hospital Location: Tonna Hospital, Tonna Uchaf, Tonna, SA11 3LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (W)	137	9	278035 199396
336	**Points of Interest - Education and Health** Name: Tonna Hospital Resource Centre Location: Tonna Uchaf, Tonna, Neath, SA11 3LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (W)	138	9	278035 199396
336	**Points of Interest - Education and Health** Name: Tonna Hospital Location: Tonna Hospital, Tonna Uchaf, Tonna, Neath, SA11 3LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (W)	138	9	278035 199396
336	**Points of Interest - Education and Health** Name: Tonna Hospital Location: Tonna Hospital, Tonna Uchaf, Tonna, Neath, SA11 3LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (W)	138	9	278035 199396
337	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	203	9	277976 199425
338	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	547	9	278178 199927
338	**Points of Interest - Manufacturing and Production** Name: Works Location: SA10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	547	9	278178 199927
339	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	572	9	278077 199920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
339	**Points of Interest - Manufacturing and Production** Name: Works Location: SA10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	573	9	278078 199921
339	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	608	9	278053 199950
340	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	593	9	277783 198715
341	**Points of Interest - Manufacturing and Production** Name: Mine (Disused) Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	625	9	279062 199386
341	**Points of Interest - Manufacturing and Production** Name: Mine (Disused) Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A14NE (E)	629	9	279066 199392
342	**Points of Interest - Manufacturing and Production** Name: Shaft Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A8SW (S)	643	9	278249 198557
342	**Points of Interest - Manufacturing and Production** Name: Shaft Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	649	9	278257 198553
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	691	9	277442 199123
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	693	9	277438 199139
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	696	9	277434 199144
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	699	9	277431 199148
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	701	9	277428 199154

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	704	9	277425 199159
343	**Points of Interest - Manufacturing and Production** Name: Tanks Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	713	9	277415 199164
343	**Points of Interest - Manufacturing and Production** Name: Factory Location: SA10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	744	9	277385 199154
343	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	769	9	277363 199122
343	**Points of Interest - Manufacturing and Production** Name: Works Location: SA10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	769	9	277363 199120
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	781	9	277366 199040
344	**Points of Interest - Manufacturing and Production** Name: Shaft Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A14NE (E)	699	9	279115 199543
344	**Points of Interest - Manufacturing and Production** Name: Shaft Location: SA11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	712	9	279128 199545
345	**Points of Interest - Manufacturing and Production** Name: Sheep Dip Location: SA11 Category: Farming Class Code: Sheep Dips and Washes Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	759	9	278355 198464
346	**Points of Interest - Manufacturing and Production** Name: J D Davies Location: Aberdulais, Neath, SA10 8HS Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A17NE (NW)	801	9	277858 200086
347	**Points of Interest - Public Infrastructure** Name: Bus Depot Location: SA11 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	0	9	278176 199218
348	**Points of Interest - Public Infrastructure** Name: Sluice Location: SA10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	315	9	277908 199528

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
348	**Points of Interest - Public Infrastructure** Name: Sluice Location: SA10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	320	9	277913 199543
349	**Points of Interest - Public Infrastructure** Name: Weir Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	368	9	278672 199658
350	**Points of Interest - Public Infrastructure** Name: Refuse Tip (Disused) Location: SA11 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	556	9	278993 199394
351	**Points of Interest - Public Infrastructure** Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	668	9	279063 199607
351	**Points of Interest - Public Infrastructure** Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	670	9	279064 199609
351	**Points of Interest - Public Infrastructure** Name: Weir Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	711	9	279113 199596
351	**Points of Interest - Public Infrastructure** Name: Weir Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	711	9	279113 199596
351	**Points of Interest - Public Infrastructure** Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	745	9	279144 199610
351	**Points of Interest - Public Infrastructure** Name: Sluice Location: SA11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	746	9	279145 199610
352	**Points of Interest - Public Infrastructure** Name: Sluice Location: SA10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	766	9	277405 199477
353	**Points of Interest - Public Infrastructure** Name: Graveyard Location: SA10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	825	9	277390 199634
354	**Points of Interest - Public Infrastructure** Name: Weir Location: SA10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	875	9	277257 199321

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
354	**Points of Interest - Public Infrastructure** Name: Weir Location: SA10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	875	9	277257 199323
355	**Points of Interest - Recreational and Environmental** Name: Playground Location: (Dan-Y-Bryn), SA11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SW (SW)	143	9	278025 199102
355	**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 (SW)	190	9	277985 199077
356	**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	A18SW (N)	584	9	278026 199917
356	**Points of Interest - Recreational and Environmental** Name: Playground Location: Ynysygerwn Crescent, SA10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	584	9	278025 199917
357	**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	A17SW (NW)	798	9	277471 199741

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
358	**Ancient Woodland** Name: Not Supplied Reference: 22319 Area(m²): 2793.85 Type: Restored Ancient Woodland Site	A13SE (E)	0	2	278370 199287
359	**Ancient Woodland** Name: Not Supplied Reference: 10796 Area(m²): 111025 Type: Restored Ancient Woodland Site	A13SE (S)	0	2	278294 199238
360	**Ancient Woodland** Name: Not Supplied Reference: 22320 Area(m²): 7949.85 Type: Restored Ancient Woodland Site	A13NE (NE)	27	2	278404 199429
361	**Ancient Woodland** Name: Not Supplied Reference: 22323 Area(m²): 59605.9 Type: Restored Ancient Woodland Site	A13NW (N)	42	2	278269 199440
362	**Ancient Woodland** Name: Not Supplied Reference: 40379 Area(m²): 17865.42 Type: Plantation on Ancient Woodland	A13SE (S)	82	2	278317 199158
363	**Ancient Woodland** Name: Not Supplied Reference: 22318 Area(m²): 9715.93 Type: Restored Ancient Woodland Site	A13SE (SE)	103	2	278362 199165
364	**Ancient Woodland** Name: Not Supplied Reference: 7981 Area(m²): 45885.77 Type: Ancient and Semi-Natural Woodland	A13NE (E)	113	2	278546 199315
365	**Ancient Woodland** Name: Not Supplied Reference: 22317 Area(m²): 1258.67 Type: Restored Ancient Woodland Site	A13SW (SW)	115	2	278066 199101
366	**Ancient Woodland** Name: Not Supplied Reference: 40950 Area(m²): 3281.7 Type: Plantation on Ancient Woodland	A13NE (E)	118	2	278561 199342
367	**Ancient Woodland** Name: Not Supplied Reference: 48030 Area(m²): 1053.91 Type: Ancient Woodland Site of Unknown Category	A13NW (N)	168	2	278263 199554
368	**Ancient Woodland** Name: Not Supplied Reference: 22322 Area(m²): 1536.82 Type: Restored Ancient Woodland Site	A13NW (NW)	182	2	278172 199543
369	**Ancient Woodland** Name: Not Supplied Reference: 10798 Area(m²): 8795.72 Type: Restored Ancient Woodland Site	A13NW (N)	184	2	278201 199552
370	**Ancient Woodland** Name: Not Supplied Reference: 22324 Area(m²): 5407.62 Type: Restored Ancient Woodland Site	A13NW (N)	243	2	278165 199604
371	**Ancient Woodland** Name: Not Supplied Reference: 22313 Area(m²): 2415.15 Type: Restored Ancient Woodland Site	A8NW (S)	277	2	278156 198914

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
372	**Ancient Woodland** Name: Not Supplied Reference: 22321 Area(m²): 9797.26 Type: Restored Ancient Woodland Site	A14NW (NE)	303	2	278705 199515
373	**Ancient Woodland** Name: Not Supplied Reference: 16558 Area(m²): 1653.25 Type: Ancient and Semi-Natural Woodland	A13NW (NW)	304	2	277953 199561
374	**Ancient Woodland** Name: Not Supplied Reference: 40380 Area(m²): 2354.33 Type: Plantation on Ancient Woodland	A13NW (NW)	311	2	277954 199572
375	**Ancient Woodland** Name: Not Supplied Reference: 22314 Area(m²): 12462.84 Type: Restored Ancient Woodland Site	A8NW (SW)	314	2	278044 198886
376	**Ancient Woodland** Name: Not Supplied Reference: 16559 Area(m²): 15109.01 Type: Ancient and Semi-Natural Woodland	A18SE (N)	315	2	278436 199715
377	**Ancient Woodland** Name: Not Supplied Reference: 10795 Area(m²): 16083.17 Type: Restored Ancient Woodland Site	A8NW (SW)	319	2	278072 198878
378	**Ancient Woodland** Name: Not Supplied Reference: 12797 Area(m²): 6011.61 Type: Ancient and Semi-Natural Woodland	A14SW (E)	331	2	278762 199282
379	**Ancient Woodland** Name: Not Supplied Reference: 22316 Area(m²): 1796.71 Type: Restored Ancient Woodland Site	A7NE (SW)	332	2	277906 198952
380	**Ancient Woodland** Name: Not Supplied Reference: 9410 Area(m²): 28259.5 Type: Ancient and Semi-Natural Woodland	A8NE (SE)	359	2	278466 198893
381	**Ancient Woodland** Name: Not Supplied Reference: 10343 Area(m²): 167788.79 Type: Restored Ancient Woodland Site	A14SW (E)	362	2	278794 199292
382	**Ancient Woodland** Name: Not Supplied Reference: 40378 Area(m²): 28530.43 Type: Plantation on Ancient Woodland	A8NW (S)	381	2	278247 198826
383	**Ancient Woodland** Name: Not Supplied Reference: 41593 Area(m²): 9240.96 Type: Plantation on Ancient Woodland	A12NE (NW)	382	2	277875 199594
384	**Ancient Woodland** Name: Not Supplied Reference: 22315 Area(m²): 11183.74 Type: Restored Ancient Woodland Site	A8NE (SE)	393	2	278450 198894
385	**Ancient Woodland** Name: Not Supplied Reference: 16557 Area(m²): 3133.63 Type: Ancient and Semi-Natural Woodland	A14SW (E)	465	2	278858 199105

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
386	**Ancient Woodland** Name: Not Supplied Reference: 10797 Area(m²): 37585.88 Type: Restored Ancient Woodland Site	A14SW (E)	482	2	278886 199132
387	**Ancient Woodland** Name: Not Supplied Reference: 22326 Area(m²): 40112.39 Type: Restored Ancient Woodland Site	A18SE (N)	486	2	278385 199896
388	**Ancient Woodland** Name: Not Supplied Reference: 40378 Area(m²): 26259.48 Type: Plantation on Ancient Woodland	A8NW (S)	517	2	278034 198684
389	**Ancient Woodland** Name: Not Supplied Reference: 16556 Area(m²): 1385.41 Type: Ancient and Semi-Natural Woodland	A7NE (SW)	518	2	277786 198811
390	**Ancient Woodland** Name: Not Supplied Reference: 21399 Area(m²): 32862.38 Type: Restored Ancient Woodland Site	A14NW (E)	526	2	278952 199484
391	**Ancient Woodland** Name: Not Supplied Reference: 42799 Area(m²): 22632.25 Type: Plantation on Ancient Woodland	A18SE (N)	541	2	278325 199947
392	**Ancient Woodland** Name: Not Supplied Reference: 10795 Area(m²): 26006.2 Type: Restored Ancient Woodland Site	A8NW (S)	541	2	278199 198643
393	**Ancient Woodland** Name: Not Supplied Reference: 10795 Area(m²): 74063.69 Type: Restored Ancient Woodland Site	A7NE (SW)	552	2	277746 198801
394	**Ancient Woodland** Name: Not Supplied Reference: 41592 Area(m²): 2281.32 Type: Plantation on Ancient Woodland	A7NE (SW)	575	2	277856 198689
395	**Ancient Woodland** Name: Not Supplied Reference: 18317 Area(m²): 12755.32 Type: Ancient and Semi-Natural Woodland	A12NW (W)	586	2	277588 199467
396	**Ancient Woodland** Name: Not Supplied Reference: 10094 Area(m²): 3799.32 Type: Ancient and Semi-Natural Woodland	A8NE (S)	598	2	278482 198678
397	**Ancient Woodland** Name: Not Supplied Reference: 22325 Area(m²): 5213.89 Type: Restored Ancient Woodland Site	A19SW (NE)	605	2	278815 199846
398	**Ancient Woodland** Name: Not Supplied Reference: 22329 Area(m²): 4733.58 Type: Restored Ancient Woodland Site	A18NE (N)	613	2	278456 200014
399	**Ancient Woodland** Name: Not Supplied Reference: 10795 Area(m²): 13.31 Type: Restored Ancient Woodland Site	A8NE (S)	614	2	278409 198641

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
400	**Ancient Woodland** Name: Not Supplied Reference: 18314 Area(m²): 26419.64 Type: Ancient and Semi-Natural Woodland	A12SW (W)	622	2	277522 199069
401	**Ancient Woodland** Name: Not Supplied Reference: 43007 Area(m²): 3056.25 Type: Plantation on Ancient Woodland	A8SE (S)	645	2	278359 198584
402	**Ancient Woodland** Name: Not Supplied Reference: 42799 Area(m²): 63580.33 Type: Plantation on Ancient Woodland	A18NE (N)	647	2	278509 200039
403	**Ancient Woodland** Name: Not Supplied Reference: 7441 Area(m²): 2294.39 Type: Ancient and Semi-Natural Woodland	A18NW (N)	662	2	278032 200000
404	**Ancient Woodland** Name: Not Supplied Reference: 10799 Area(m²): 13834.11 Type: Restored Ancient Woodland Site	A18NW (N)	668	2	278025 200006
405	**Ancient Woodland** Name: Not Supplied Reference: 22312 Area(m²): 20025.12 Type: Restored Ancient Woodland Site	A7NE (SW)	670	2	277635 198748
406	**Ancient Woodland** Name: Not Supplied Reference: 22327 Area(m²): 1352.1 Type: Restored Ancient Woodland Site	A18NW (N)	672	2	277998 200001
407	**Ancient Woodland** Name: Not Supplied Reference: 7441 Area(m²): 97.31 Type: Ancient and Semi-Natural Woodland	A18NW (N)	676	2	278200 200066
408	**Ancient Woodland** Name: Not Supplied Reference: 40381 Area(m²): 1586.3 Type: Plantation on Ancient Woodland	A18NW (N)	676	2	278109 200048
409	**Ancient Woodland** Name: Not Supplied Reference: 10799 Area(m²): 11531.85 Type: Restored Ancient Woodland Site	A18NE (N)	677	2	278413 200083
410	**Ancient Woodland** Name: Not Supplied Reference: 22329 Area(m²): 50.07 Type: Restored Ancient Woodland Site	A18NW (N)	684	2	278228 200079
411	**Ancient Woodland** Name: Not Supplied Reference: 21397 Area(m²): 2575.69 Type: Restored Ancient Woodland Site	A14NE (E)	689	2	279114 199503
412	**Ancient Woodland** Name: Not Supplied Reference: 40381 Area(m²): 152097.32 Type: Plantation on Ancient Woodland	A18NW (N)	694	2	278229 200090
413	**Ancient Woodland** Name: Not Supplied Reference: 14008 Area(m²): 12503.37 Type: Ancient and Semi-Natural Woodland	A14NE (E)	702	2	279111 199571

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
414	**Ancient Woodland** Name: Not Supplied Reference: 16560 Area(m²): 6524.23 Type: Ancient and Semi-Natural Woodland	A19NW (NE)	715	2	278705 200043
415	**Ancient Woodland** Name: Not Supplied Reference: 9411 Area(m²): 11491.6 Type: Ancient and Semi-Natural Woodland	A18NE (N)	755	2	278404 200162
416	**Ancient Woodland** Name: Not Supplied Reference: 16555 Area(m²): 1118.33 Type: Ancient and Semi-Natural Woodland	A7SE (SW)	813	2	277795 198454
417	**Ancient Woodland** Name: Not Supplied Reference: 42797 Area(m²): 27880.6 Type: Plantation on Ancient Woodland	A19NE (NE)	839	2	279001 199995
418	**Ancient Woodland** Name: Not Supplied Reference: 9412 Area(m²): 11367.99 Type: Ancient and Semi-Natural Woodland	A18NE (N)	848	2	278282 200252
419	**Ancient Woodland** Name: Not Supplied Reference: 23157 Area(m²): 5329.41 Type: Restored Ancient Woodland Site	A8SW (S)	893	2	277996 198309
420	**Ancient Woodland** Name: Not Supplied Reference: 10799 Area(m²): 7266.76 Type: Restored Ancient Woodland Site	A18NE (N)	895	2	278574 200279
421	**Ancient Woodland** Name: Not Supplied Reference: 40181 Area(m²): 22456.99 Type: Plantation on Ancient Woodland	A8SW (S)	897	2	278009 198303
422	**Ancient Woodland** Name: Not Supplied Reference: 10338 Area(m²): 87777.26 Type: Restored Ancient Woodland Site	A8SW (S)	898	2	277998 198304
423	**Ancient Woodland** Name: Not Supplied Reference: 22329 Area(m²): 33691.41 Type: Restored Ancient Woodland Site	A19NW (NE)	944	2	278866 200215
424	**Ancient Woodland** Name: Not Supplied Reference: 8512 Area(m²): 1459.8 Type: Ancient and Semi-Natural Woodland	A23SW (N)	967	2	278248 200368
425	**Ancient Woodland** Name: Not Supplied Reference: 21398 Area(m²): 16794.7 Type: Restored Ancient Woodland Site	A15NW (E)	969	2	279381 199590
426	**Ancient Woodland** Name: Not Supplied Reference: 16561 Area(m²): 3931.66 Type: Ancient and Semi-Natural Woodland	A24SW (N)	975	2	278671 200336
427	**Ancient Woodland** Name: Not Supplied Reference: 18312 Area(m²): 9021.86 Type: Ancient and Semi-Natural Woodland	A7SW (SW)	986	2	277381 198558

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
428	**Ancient Woodland** Name: Not Supplied Reference: 9413 Area(m²): 5254.26 Type: Ancient and Semi-Natural Woodland	A23SE (N)	988	2	278492 200388

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Natural Resources Wales	November 2023	Annually
Neath Port Talbot County Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
City and County of Swansea - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Welsh Region	August 2014	Quarterly
Natural Resources Wales	January 2025	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		
Natural Resources Wales	January 2025	Quarterly
Environment Agency - Welsh Region	July 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Swansea Bay Port Health Authority	April 2014	Variable
City and County of Swansea - Environmental Health Department	December 2020	Variable
Neath Port Talbot County Borough Council - Environmental Health Department	March 2014	Variable
Local Authority Pollution Prevention and Controls		
Swansea Bay Port Health Authority	April 2014	Annually
City and County of Swansea - Environmental Health Department	December 2020	Annual Rolling Update
Neath Port Talbot County Borough Council - Environmental Health Department	March 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Swansea Bay Port Health Authority	April 2014	Variable
City and County of Swansea - Environmental Health Department	June 2014	Variable
Neath Port Talbot County Borough Council - Environmental Health Department	March 2015	Variable
Nearest Surface Water Feature		
Ordnance Survey	April 2025	
Pollution Incidents to Controlled Waters		
Environment Agency - Welsh Region	December 1998	
Historical Prosecutions		
Environment Agency, Welsh Region	March 2013	Not Applicable
Natural Resources Wales	March 2013	Not Applicable
Registered Radioactive Substances		
Natural Resources Wales	January 2015	
Environment Agency - Welsh Region	June 2016	
Substantiated Pollution Incident Register		
Natural Resources Wales	December 2024	Quarterly
Environment Agency Wales - South West Area	January 2021	Quarterly
Water Abstractions		
Environment Agency - Welsh Region	April 2025	Quarterly
Natural Resources Wales	May 2025	Quarterly
Water Industry Act Referrals		
Environment Agency - Welsh Region	October 2017	
Natural Resources Wales	October 2022	
Groundwater Vulnerability Map		
Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations		
Natural Resources Wales	January 2018	As notified
Superficial Aquifer Designations		
Natural Resources Wales	January 2018	As notified

Data Currency

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Natural Resources Wales	July 2022	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	
OS Water Network Lines Ordnance Survey	April 2025	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
Water Framework Directive - Catchment Natural Resources Wales	July 2024	Annually
Water Framework Directive - Groundwater Natural Resources Wales	July 2024	Annually
Water Framework Directive - Surface Waters Natural Resources Wales	November 2024	Annually

Data Currency

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	March 2023	As notified
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Natural Resources Wales	August 2024	Quarterly
Environment Agency Wales - South West Area	January 2023	Quarterly
Licensed Waste Management Facilities (Locations)		
Natural Resources Wales	January 2025	Quarterly
Environment Agency Wales - South West Area	July 2024	Quarterly
Local Authority Landfill Coverage		
City and County of Swansea - Environmental Health Department	February 2003	Not Applicable
Neath Port Talbot County Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
City and County of Swansea - Environmental Health Department	October 2018	
Neath Port Talbot County Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
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	June 2025	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
City and County of Swansea - Planning Department	June 2023	Variable
Neath Port Talbot County Borough Council - Planning Department	October 2015	Variable
Planning Hazardous Substance Consents		
City and County of Swansea - Planning Department	January 2016	Variable
Neath Port Talbot County Borough Council - Planning Department	October 2015	Variable

Data Currency

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	April 2025	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	February 2023	
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	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	March 2025	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	May 2025	Quarterly
Points of Interest - Commercial Services PointX	June 2025	Quarterly
Points of Interest - Education and Health PointX	June 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2025	Quarterly
Points of Interest - Public Infrastructure PointX	June 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural Resources Wales	April 2025	Bi-Annually
Areas of Adopted Green Belt		
City and County of Swansea	July 2024	Quarterly
Neath Port Talbot County Borough Council - Planning Services	July 2024	Quarterly
Areas of Unadopted Green Belt		
City and County of Swansea	July 2024	Quarterly
Neath Port Talbot County Borough Council - Planning Services	July 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural Resources Wales	May 2025	Bi-Annually
Environmentally Sensitive Areas		
The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
City and County of Swansea	February 2025	Bi-Annually
Neath Port Talbot County Borough Council	February 2025	Bi-Annually
Marine Nature Reserves		
Natural Resources Wales	February 2025	Bi-Annually
National Nature Reserves		
Natural Resources Wales	January 2025	Bi-Annually
National Parks		
Natural Resources Wales	September 2024	Annually
Nitrate Vulnerable Zones		
The National Assembly for Wales - GI Services (Department of Planning & Countryside)	April 2016	
Natural Resources Wales	November 2024	Annually
Ramsar Sites		
Natural Resources Wales	February 2025	Bi-Annually
Sites of Special Scientific Interest		
Natural Resources Wales	May 2025	Bi-Annually
Special Areas of Conservation		
Natural Resources Wales	April 2025	Bi-Annually
Special Protection Areas		
Natural Resources Wales	May 2025	Bi-Annually

Data Suppliers

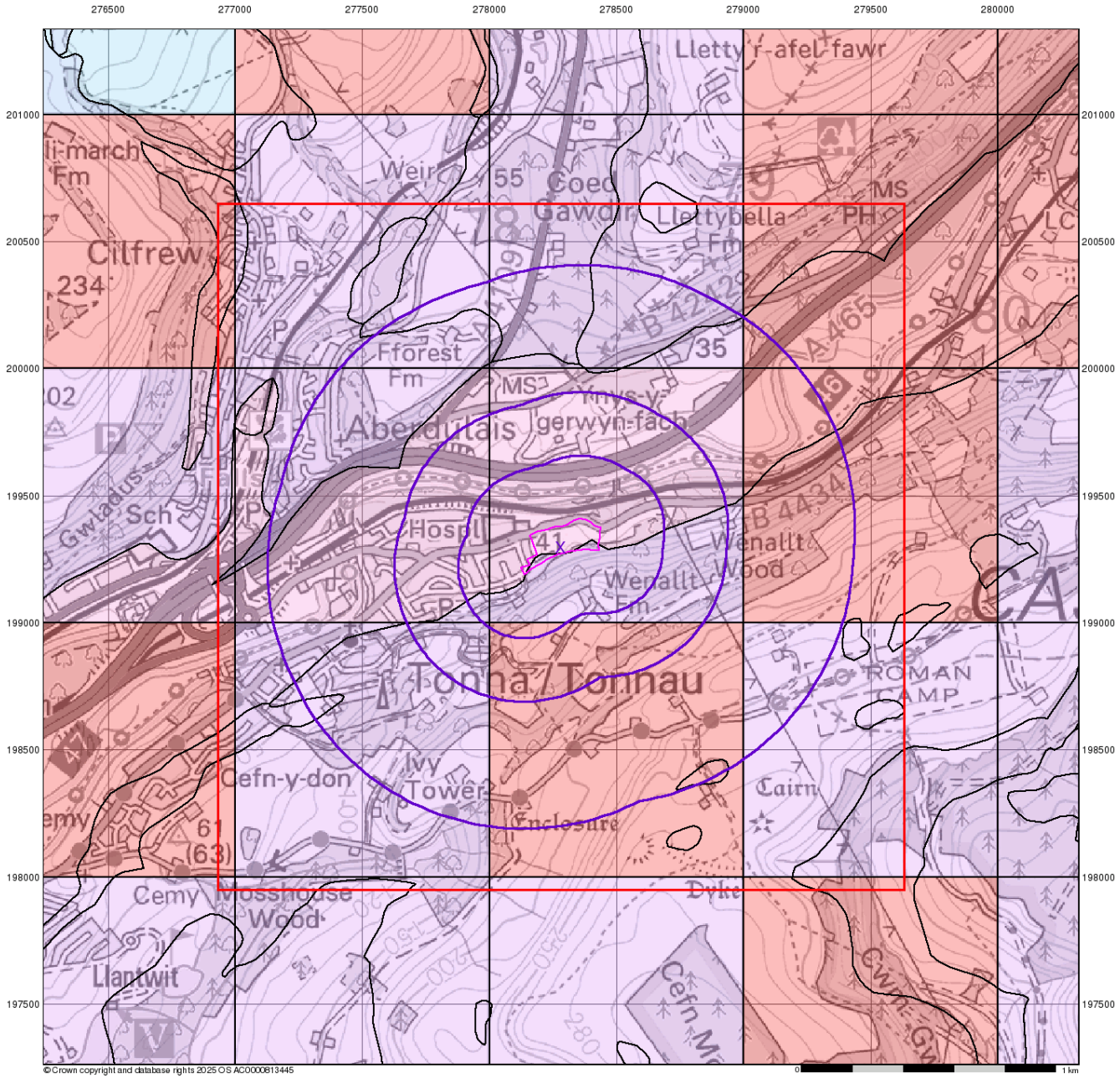
A selection of organisations who provide data within this report

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

Useful Contacts

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.co.uk
6	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	**Neath Port Talbot County Borough Council - Planning Department** Port Talbot Civic Centre, Port Talbot, SA13 1PJ	Telephone: 01639 763333 Fax: 01639 763444 Website: www.neath-porttalbot.gov.uk
8	**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
9	**PointX** 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	**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** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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



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Groundwater Vulnerability

General

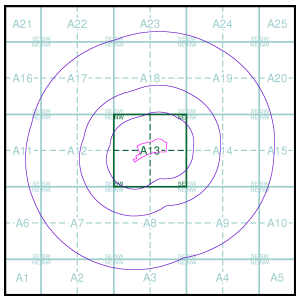
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice A



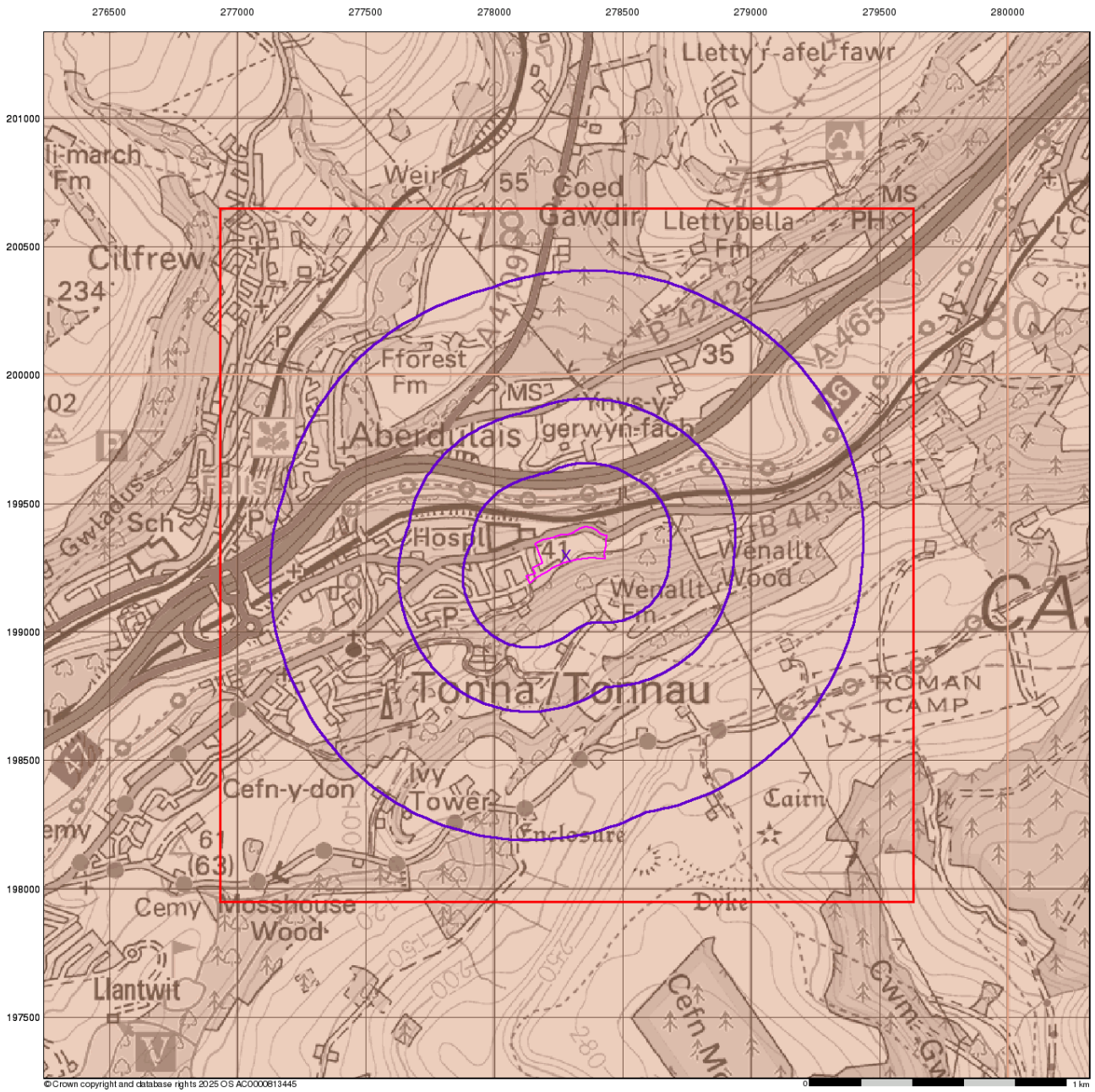
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Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

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Bedrock Aquifer Designation

General

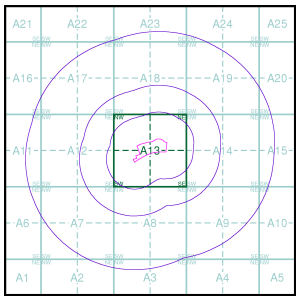
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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



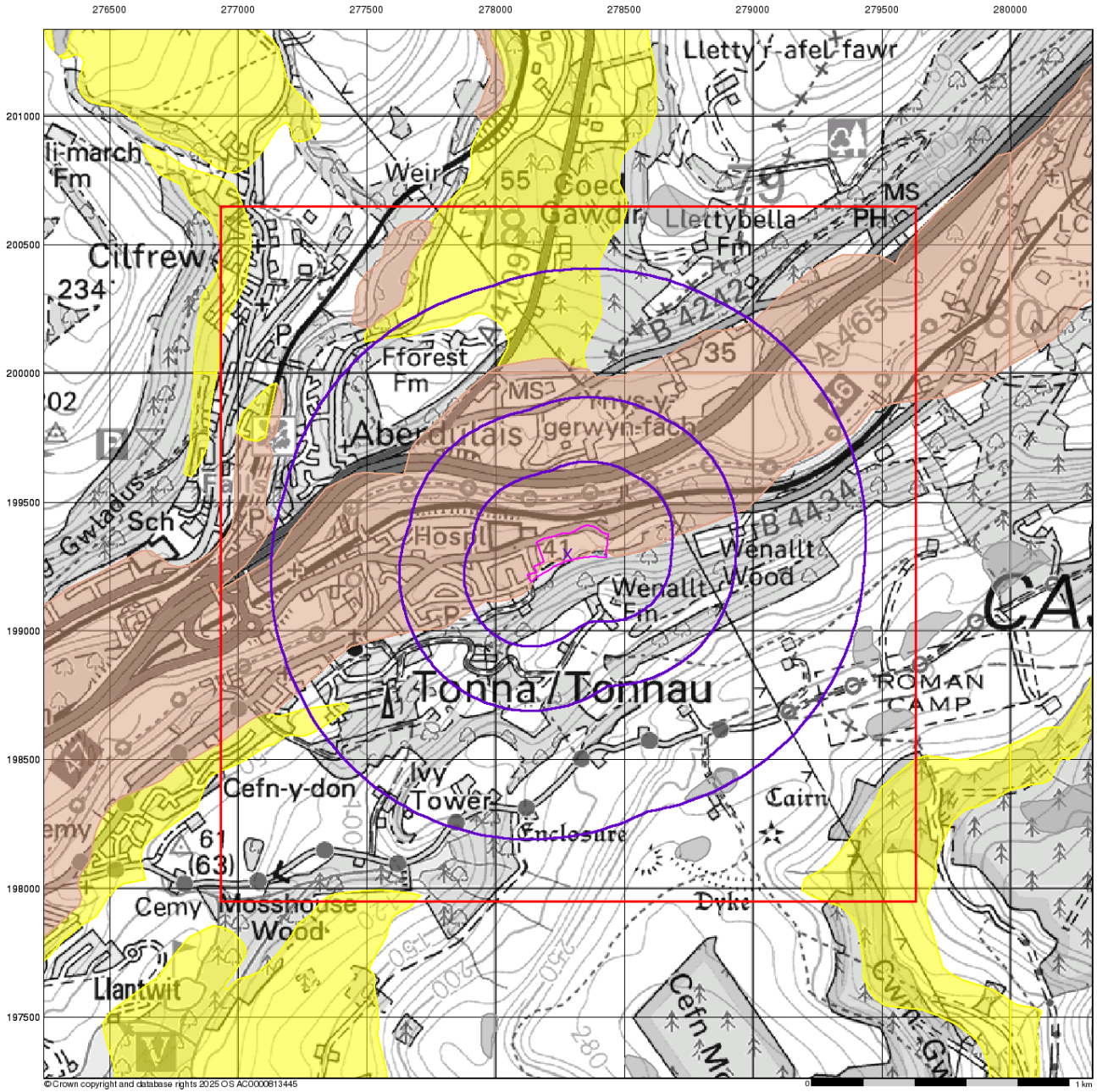
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Superficial Aquifer Designation

General

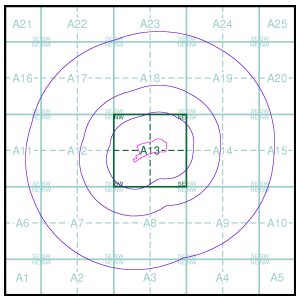
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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



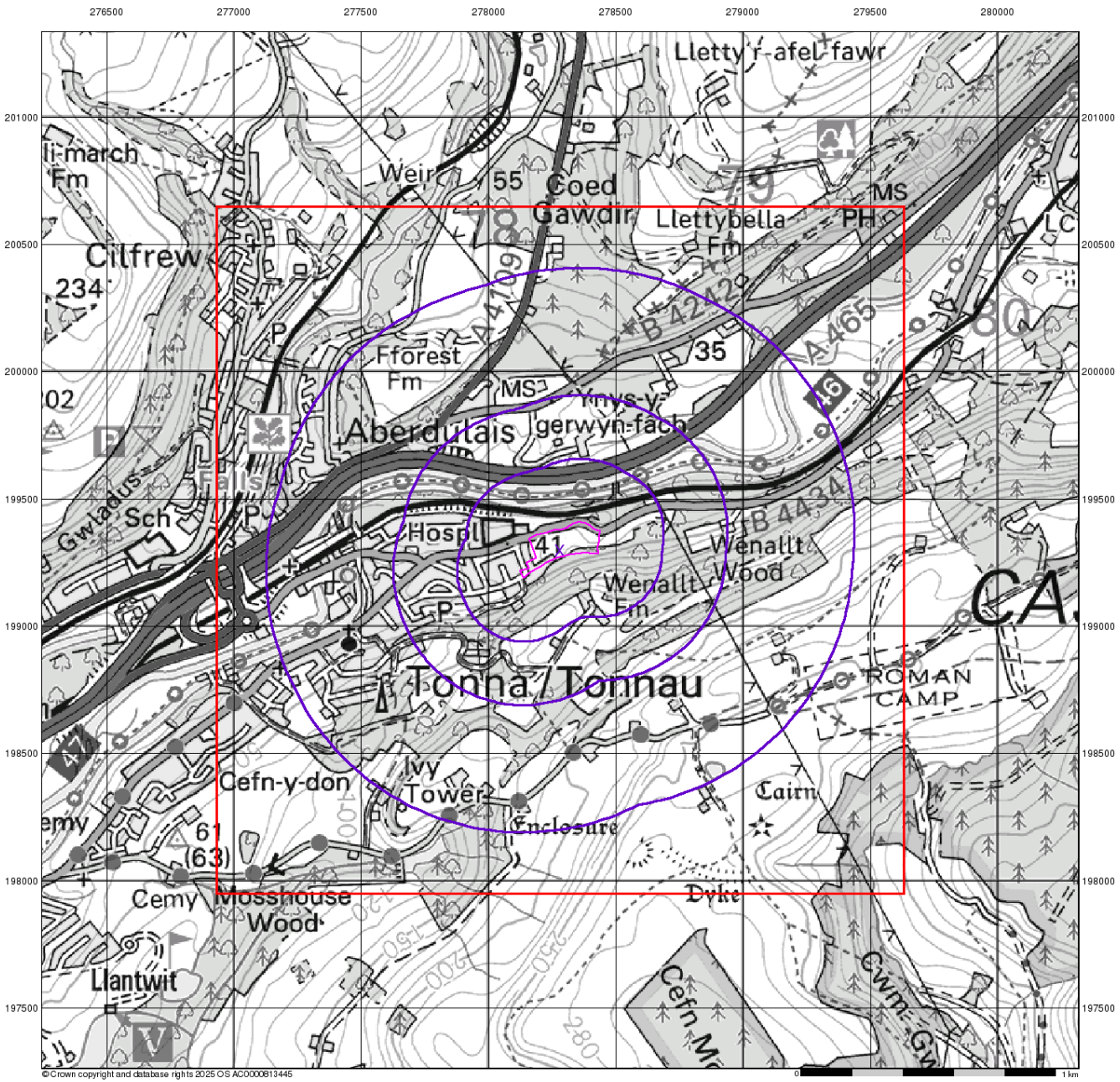
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Site Details

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Intégral Géotechnique

Source Protection Zones

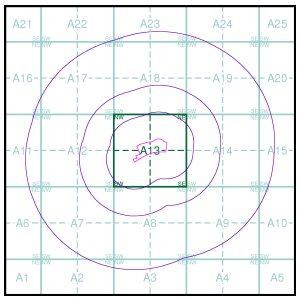
General

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



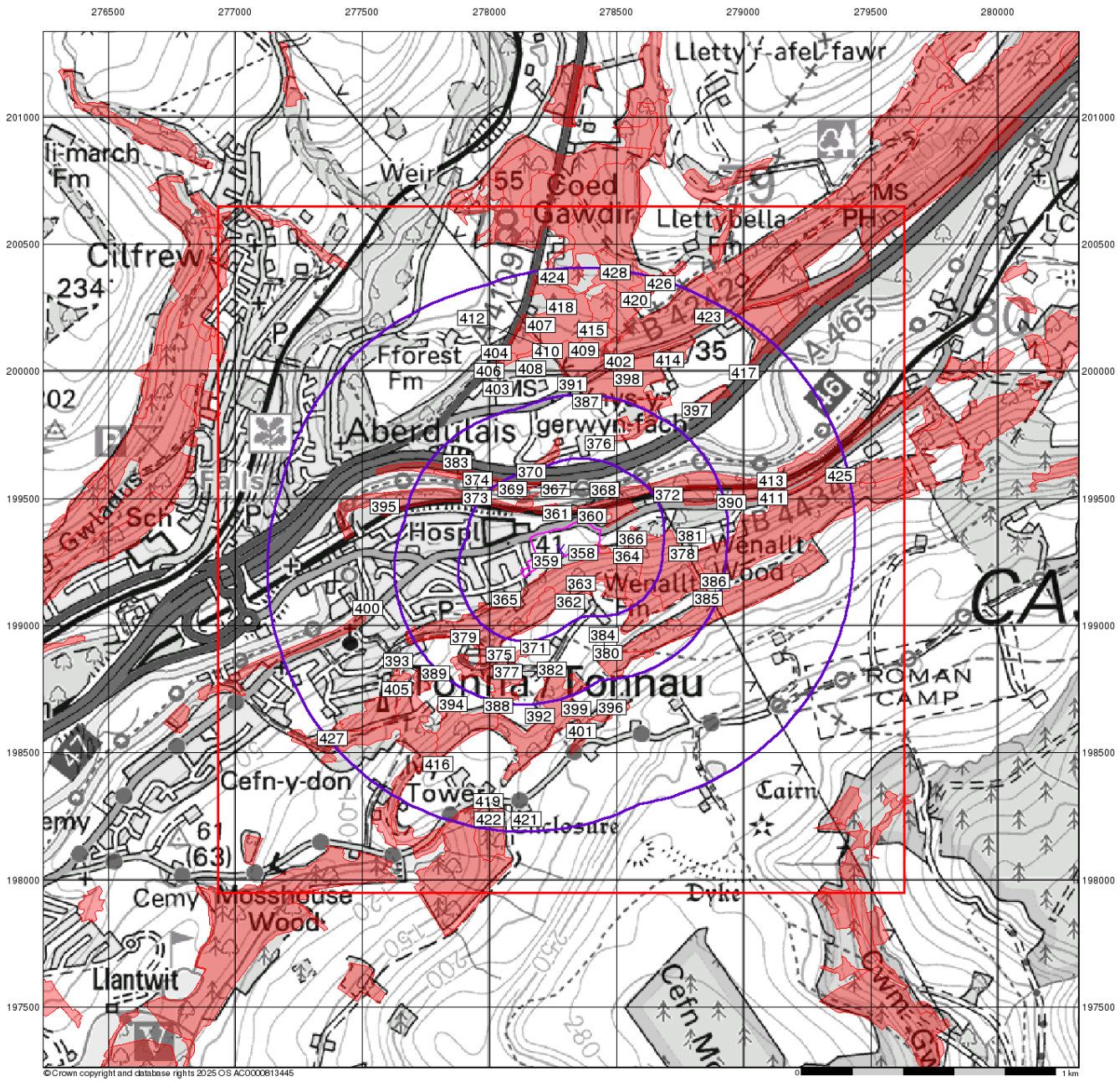
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Intégral Géotechnique

Sensitive Land Uses

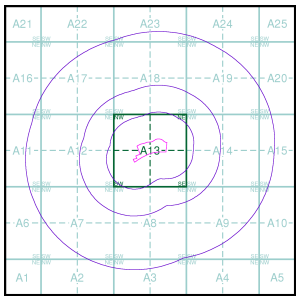
General

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



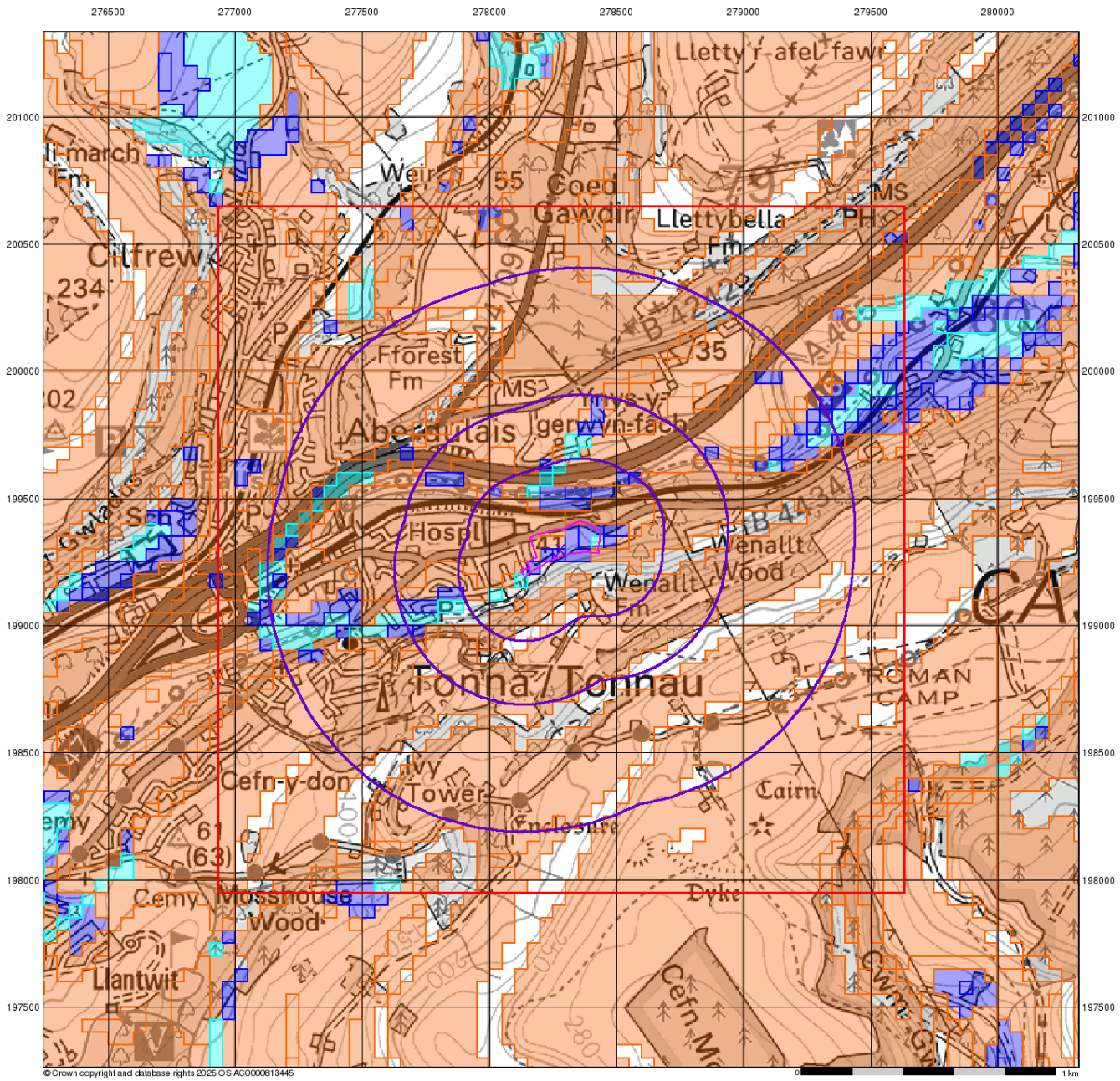
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Intégral Géotechnique

BGS Flood GFS Data

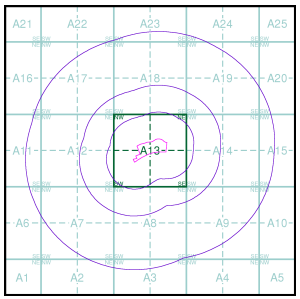
General

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



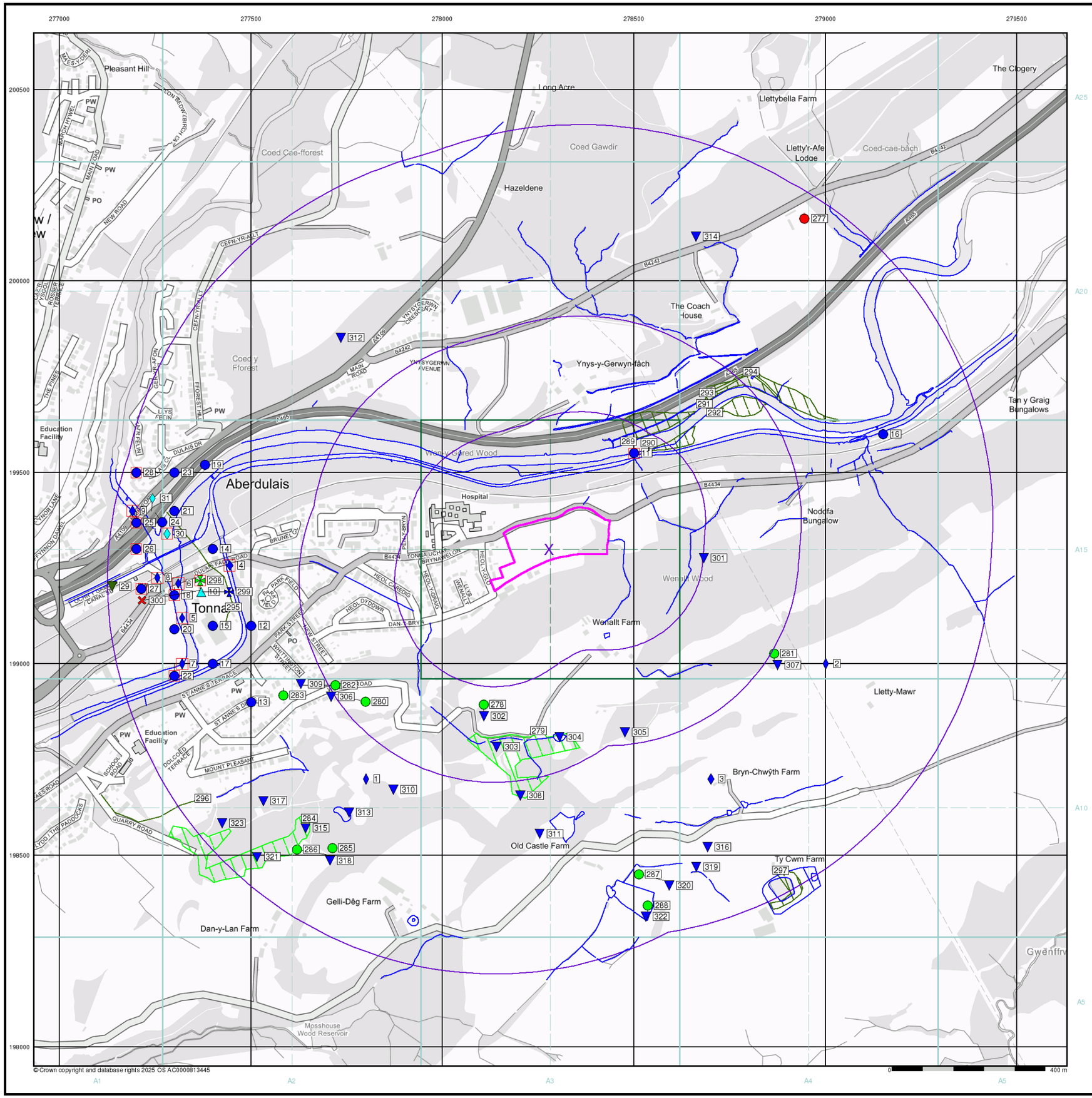
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Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

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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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- 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

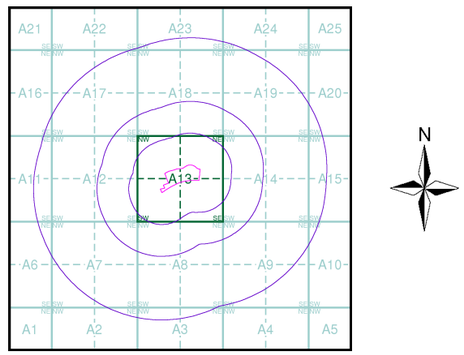
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



Order Details

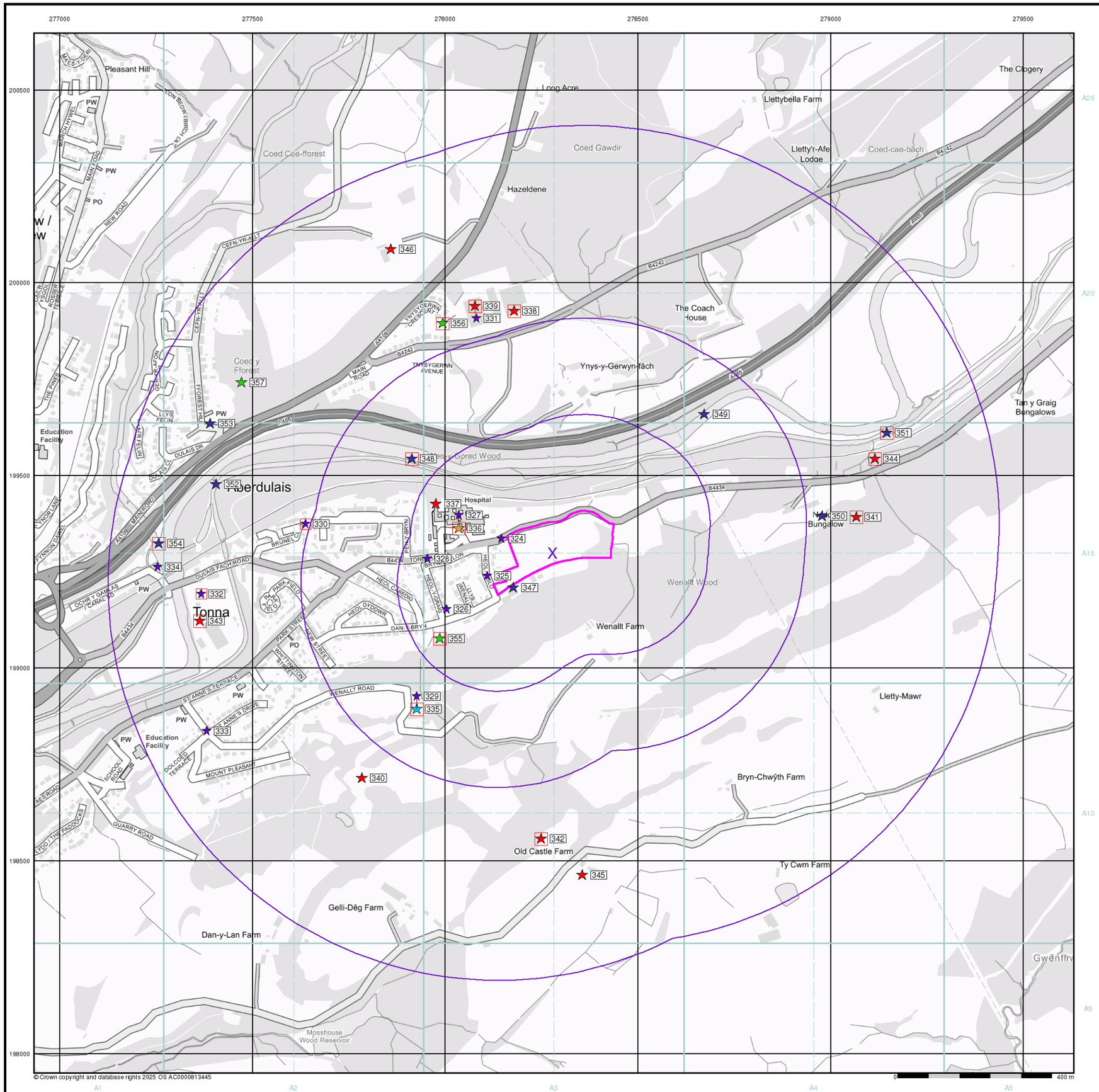
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Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

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Intégral Géotechnique

Industrial Land Use Map

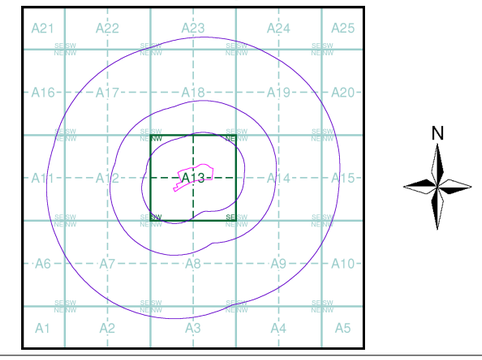
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- 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

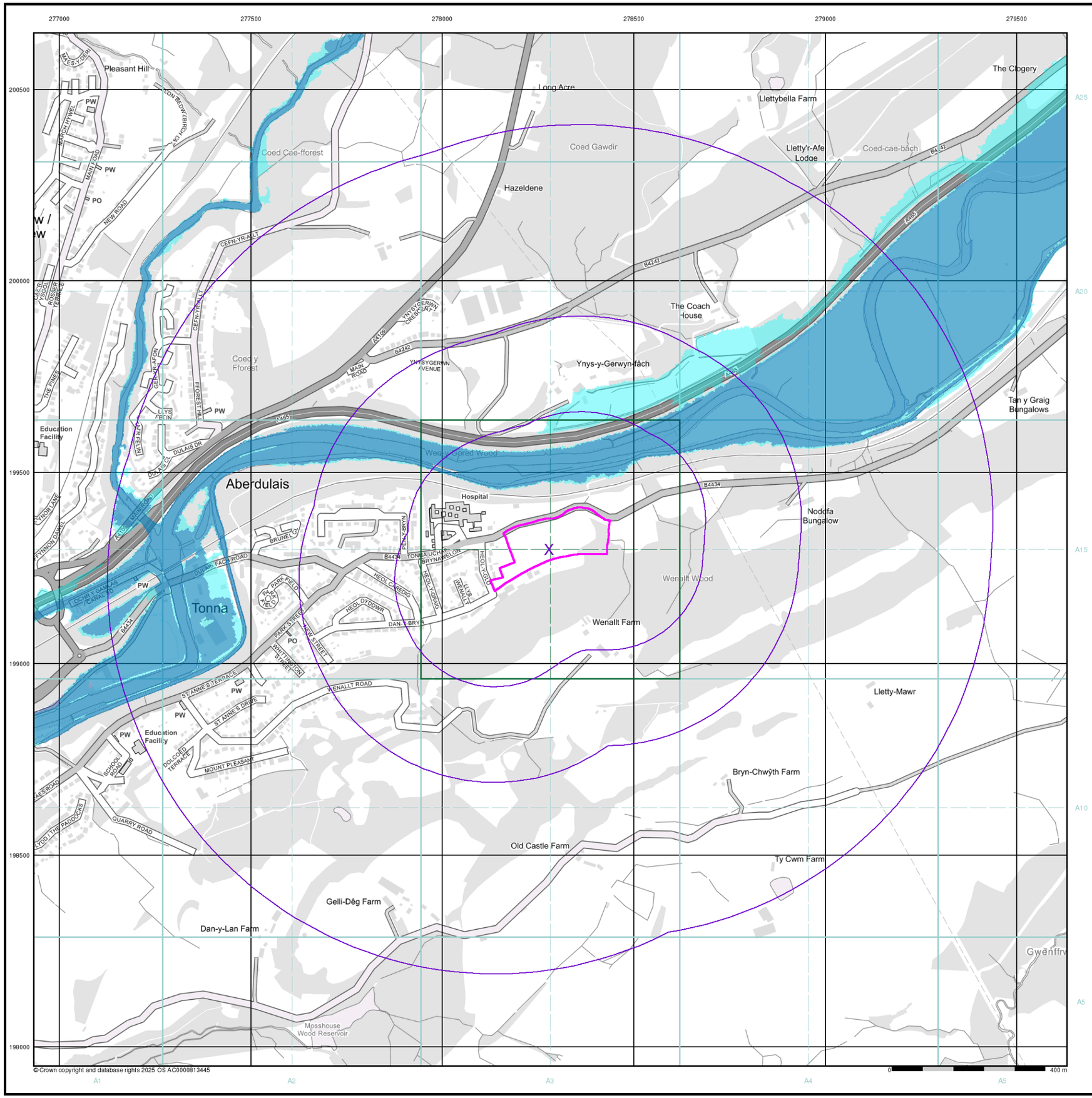
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National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

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Intégral Géotechnique

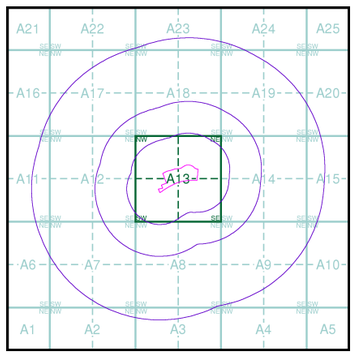
General

- 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



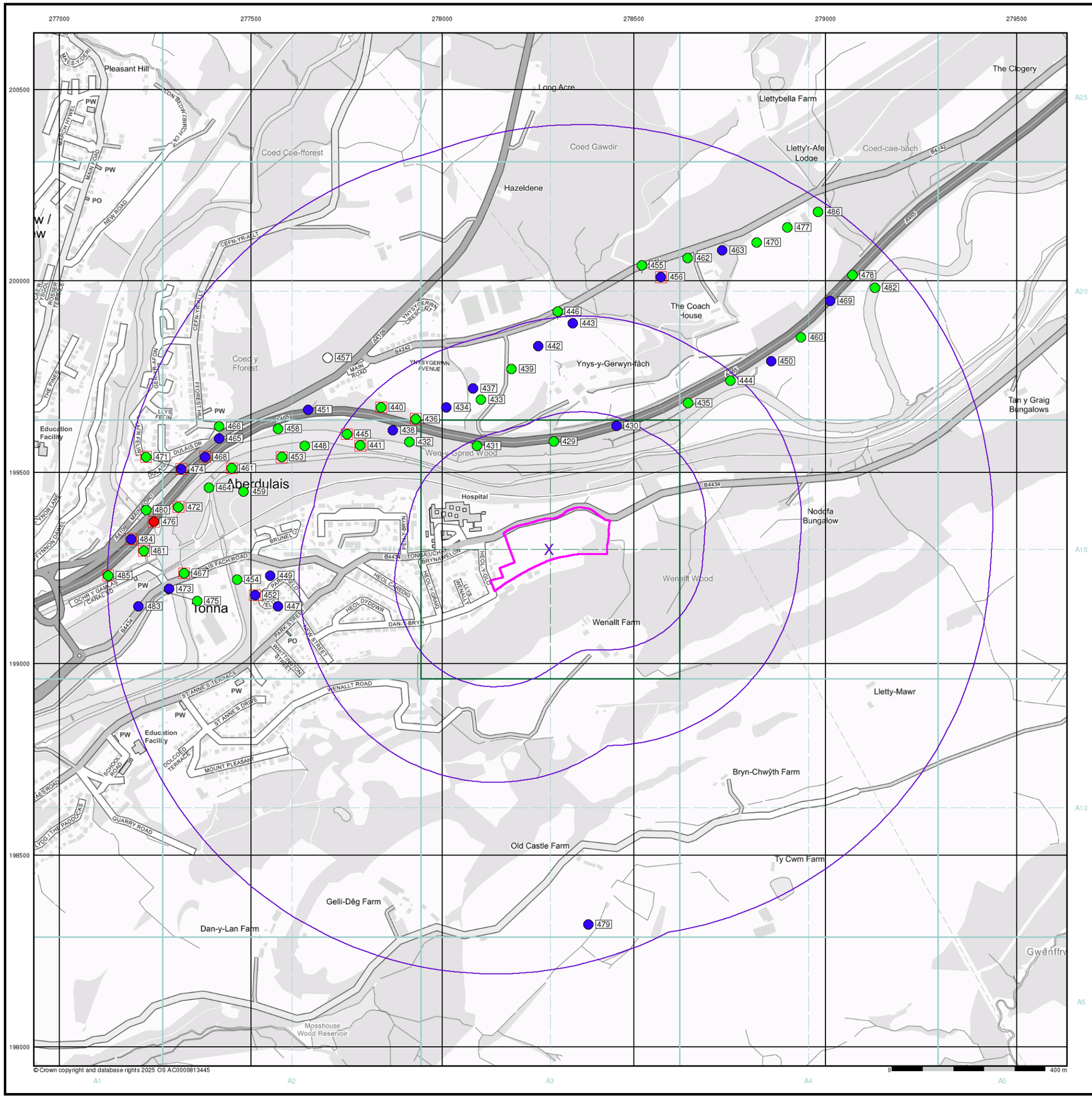
Order Details

Order Number:	380126677_1_1
Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

Heol y Glo, Tonna, SA11 3NJ

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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

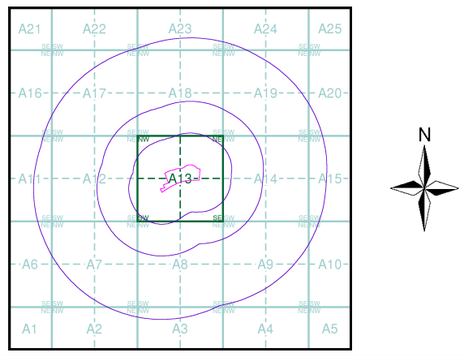
Agency and Hydrological (Boreholes)

- 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



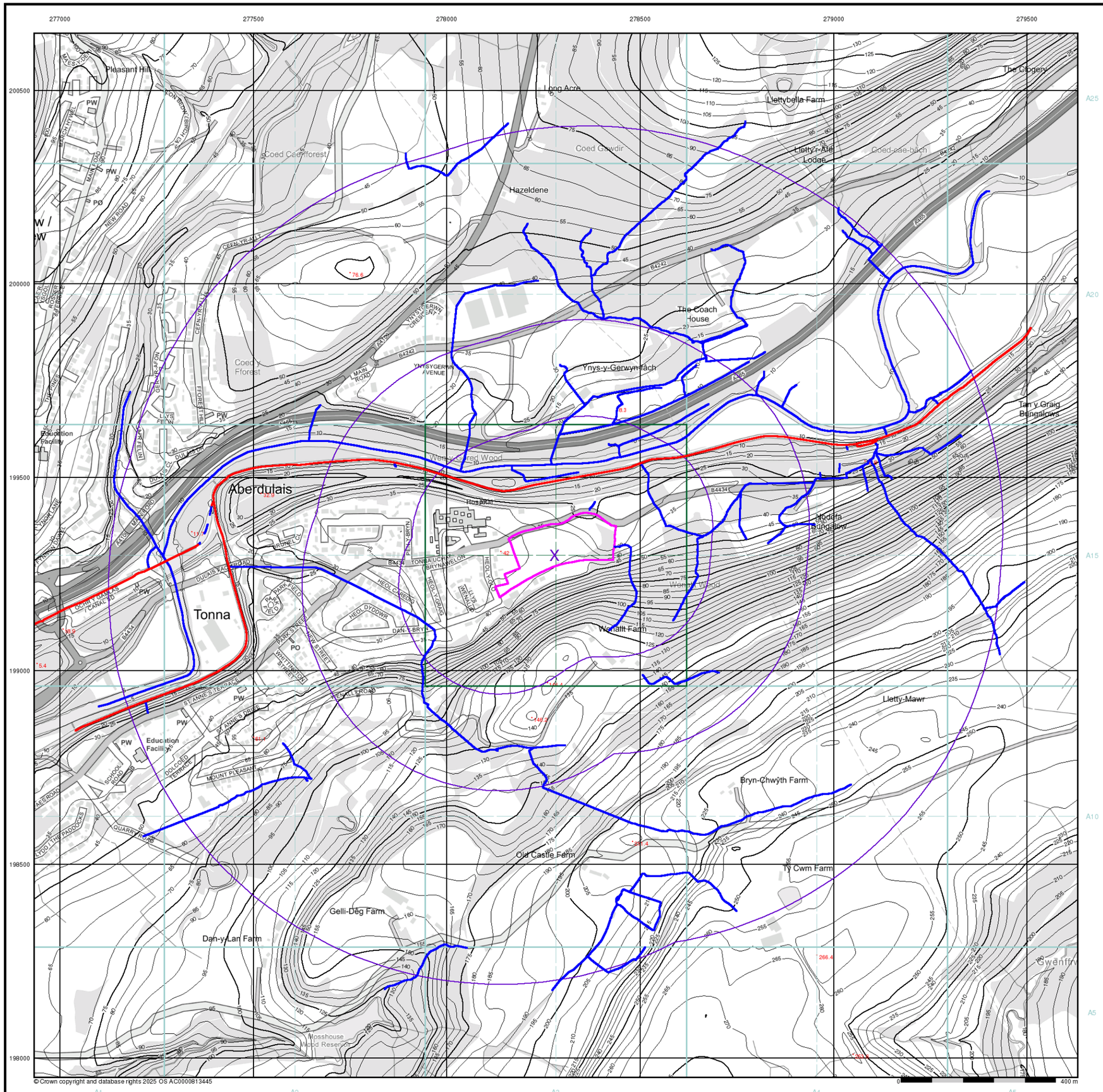
Order Details

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Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

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Intégral Géotechnique

General

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

OS Water Network Data

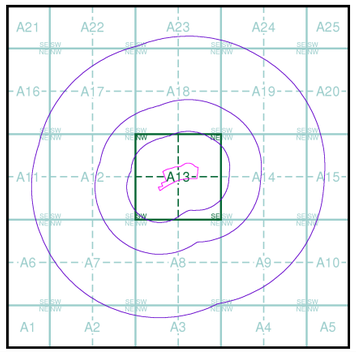
- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

Contours (height in meters)

Standard Contour 105
Master Contour 100
Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



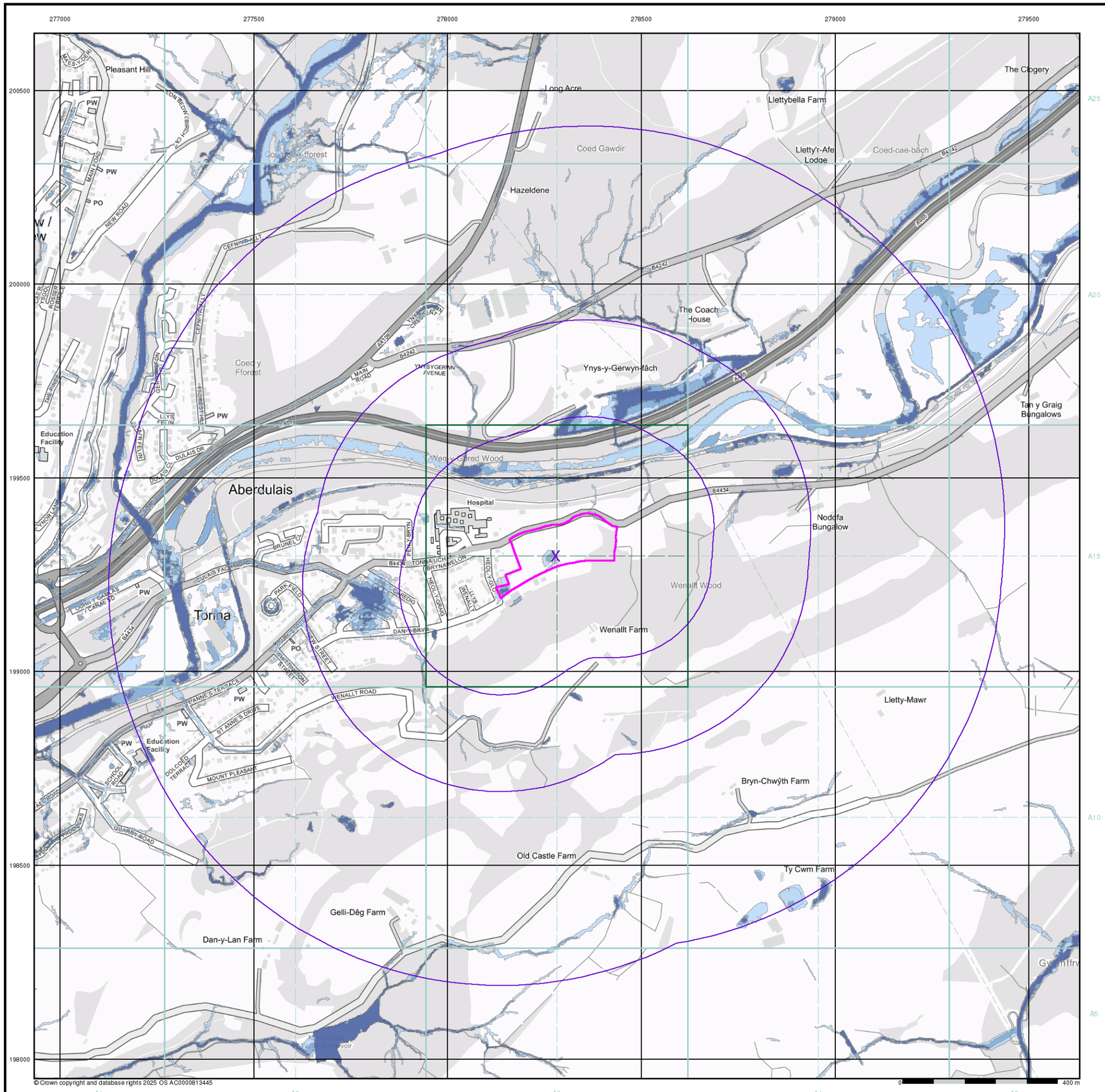
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Intégral Géotechnique

General

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

Risk of Flooding from Surface Water

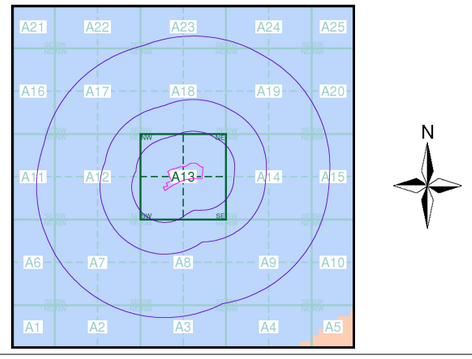
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



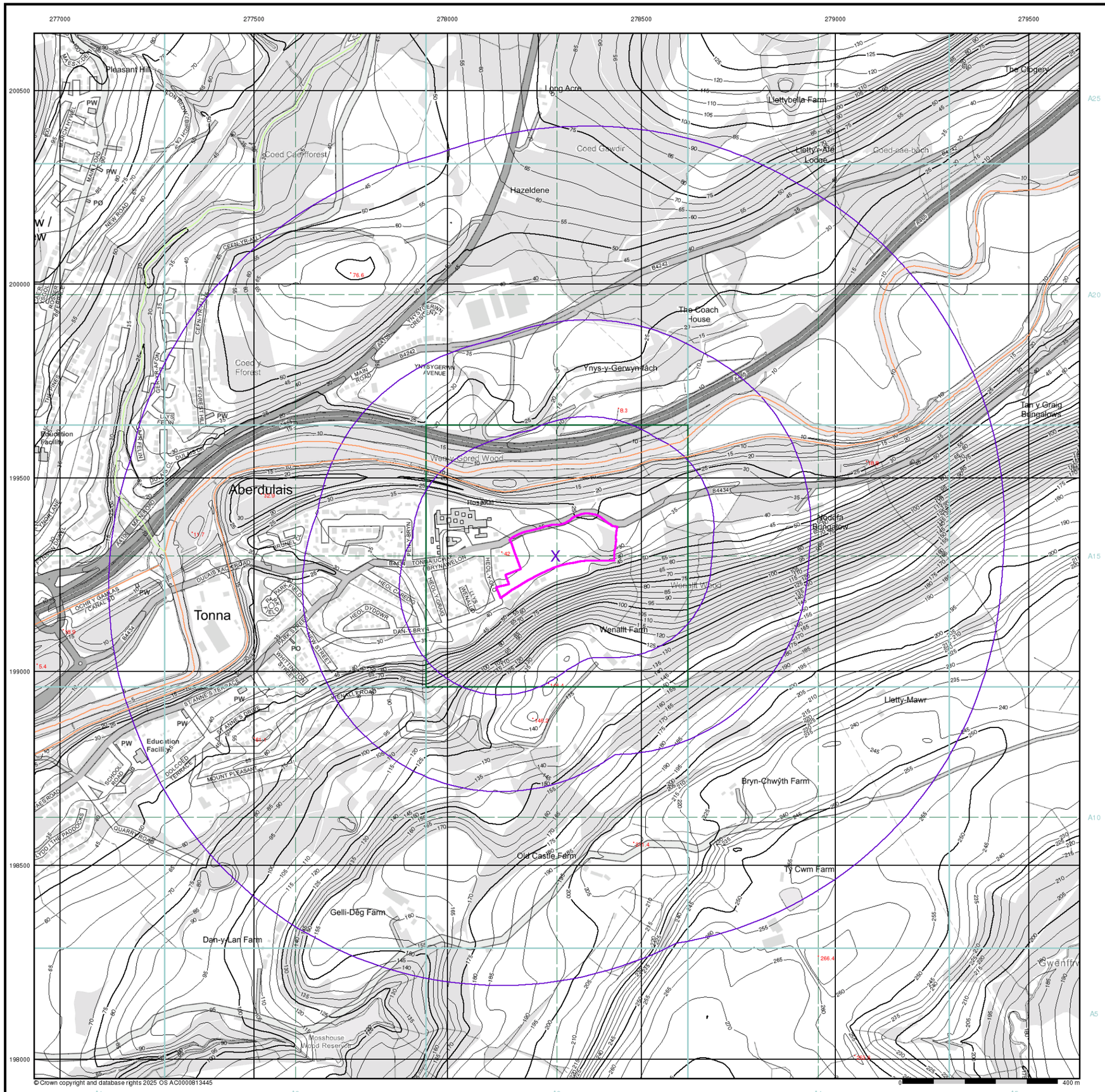
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Intégral Géotechnique

WFD Surface Waters Map

General

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

Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

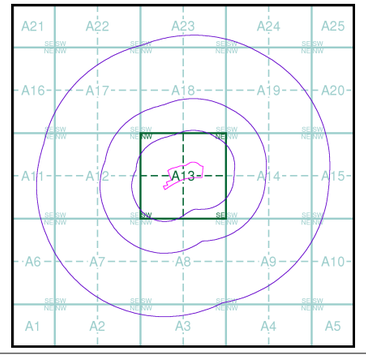
Contours (height in meters)

Standard Contour 105 | Master Contour 100 95 | Spot Height 167.3

MLW Mean Low Water

MHW Mean High Water

WFD Surface Waters Map - Slice A



Order Details

Order Number:	380126677_1_1
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Site Details

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277000 277500 278000 278500 279000 279500

200500 200000 199500 199000 198500 198000

A25 A20 A15 A10 A5

Pleasant Hill
The Clogery
Long Acre
Llettybella Farm
Coed Cae-fforest
Coed Cwmdawdir
Llettyr-Afe Lodge
Coed-cae-bâch
Hazeldene
The Coach House
Ynys-y-Gerwyn-fâch
Coed y Fforest
Tan y Graig Bungalows
Education Facility
Wenallt Gored Wood
Aberdulais
Hospital
Noddfa Bungalow
Wenallt Wood
Tonna
Wenallt Farm
Llety-Mawr
Bryn-Chwŷth Farm
Old Castle Farm
Ty Cwm Farm
Gelli-Dêg Farm
Dan-y-Lan Farm
Mosshouse Wood Reservoir

A1 A2 A3 A4 A5

0 400 m

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Intégral Géotechnique

General

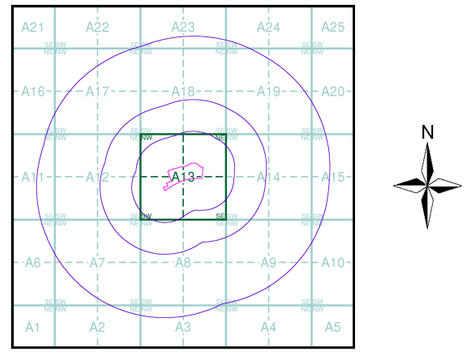
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



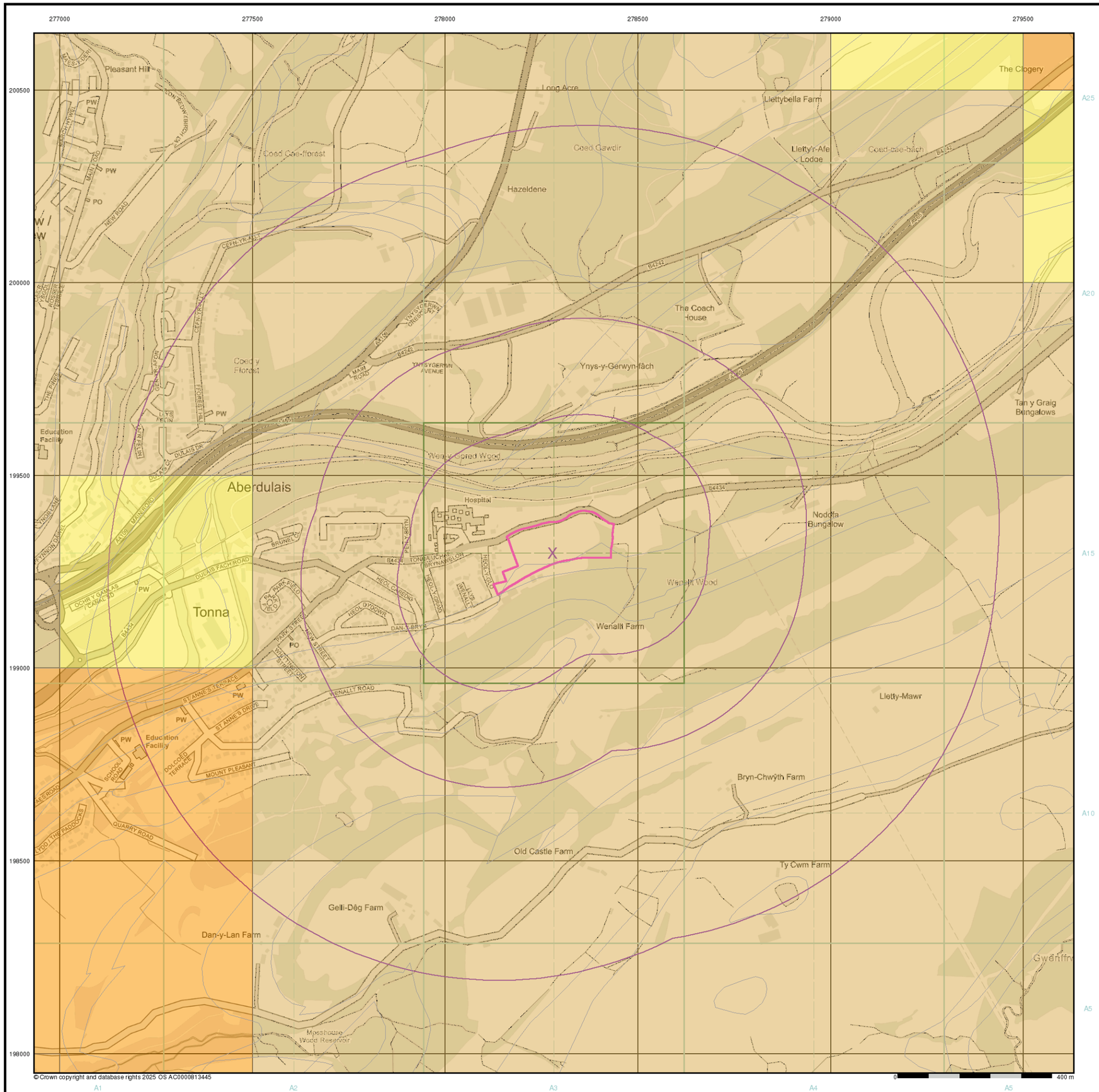
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Intégral Géotechnique

General

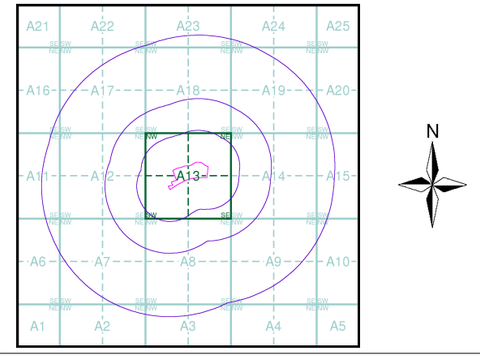
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



Order Details

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Site Details

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277000 277500 278000 278500 279000 279500

200500 200000 199500 199000 198500 198000

A25 A20 A15 A10 A5

Pleasant Hill
Long Acre
The Clogery
Llettybella Farm
Coed Cae-fforest
Coed Gawdir
Lletty'r-Afe Lodge
Coed-cae-bâch
Hazeldene
The Coach House
Coed y Fforest
Ynys-y-Gerwyn-fâch
Tan y Graig Bungalows
Education Facility
Wenallt Cored Wood
Aberdulais
Hospital
Noddfa Bungalow
Tonna
Wenallt Wood
Wenallt Farm
Llety-Mawr
Bryn-Chwŷth Farm
Old Castle Farm
Ty Cwm Farm
Gelli-Dêg Farm
Dan-y-Lan Farm
Gwenffrw
Mosshouse Wood Reservoir

A1 A2 A3 A4 A5

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0 400 m

Intégral Géotechnique

General

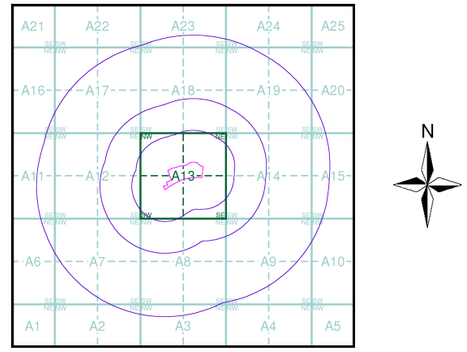
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



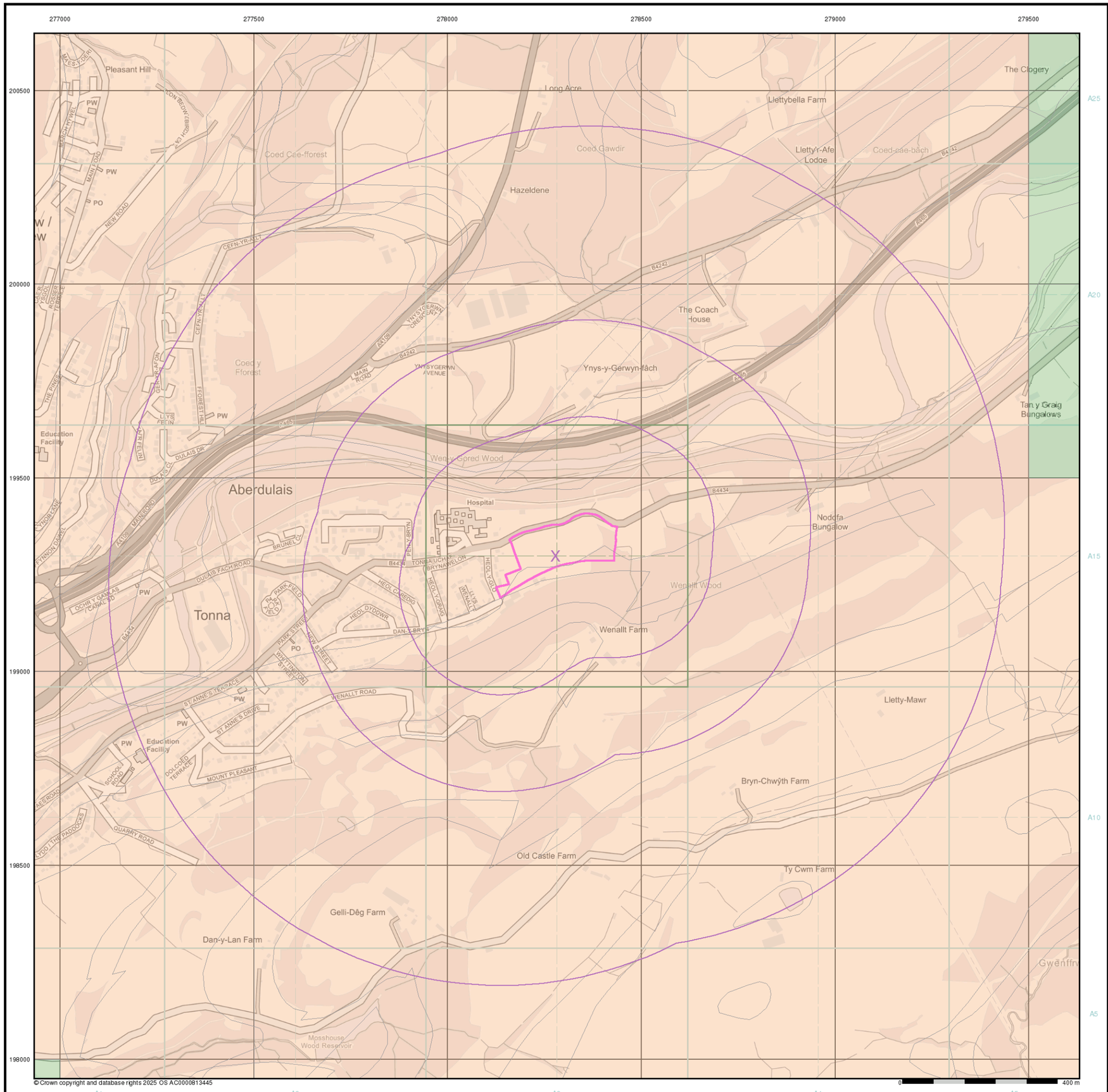
Order Details

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General

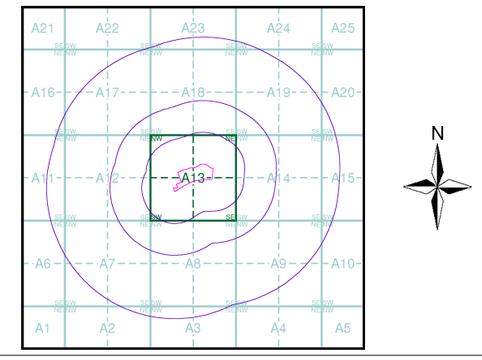
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details:	380126677_1_1
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Site Details

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277000 277500 278000 278500 279000 279500

200500 200000 199500 199000 198500 198000

A25 A20 A15 A10 A5

Pleasant Hill
The Clogery
Long Acre
Llettybella Farm
Coed Cae-fforest
Coed Gawdir
Lletty'r-Afe Lodge
Coed-cae-bâch
Hazeldene
The Coach House
Ynys-y-Gerwyn-fâch
Coed-y Fforest
Tan y Graig Bungalows
Education Facility
Wenallt Gored Wood
Aberdulais
Hospital
Noddfa Bungalow
Wenallt Wood
Tonna
Wenallt Farm
Llety-Mawr
Education Facility
Bryn-Chwŷth Farm
Old Castle Farm
Ty Cwm Farm
Gelli-Dêg Farm
Dan-y-Lan Farm
Gwenffrw
Mosshouse Wood Reservoir

A1 A2 A3 A4 A5

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0 400 m

Intégral Géotechnique

General

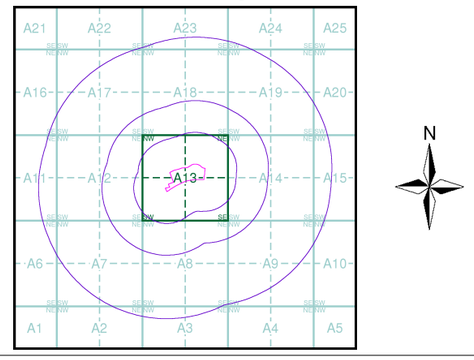
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details:	380126677_1_1
Customer Ref:	14277/LP
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Slice:	A
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Site Details

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Intégral Géotechnique

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type 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
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- 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

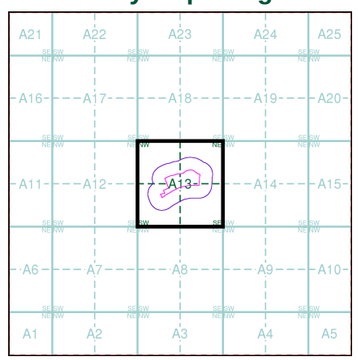
Geological

- 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
- 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 - Segment A13



Order Details

Order Number:	380126677_1_1
Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Plot Buffer (m):	100

Site Details

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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
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	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
	HMGDD	Hummocky (Moundy) Glacial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet 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
	PEAT	Peat	Peat	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, 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
	SW	Swansea Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SW	Swansea Member	Sandstone	Not Supplied - Westphalian
	RA	Rhondda Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	RA	Rhondda Member	Sandstone	Not Supplied - Westphalian
	LLFB	Llynfi Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
		Rock Segments		
		Faults		

Intégral Géotechnique

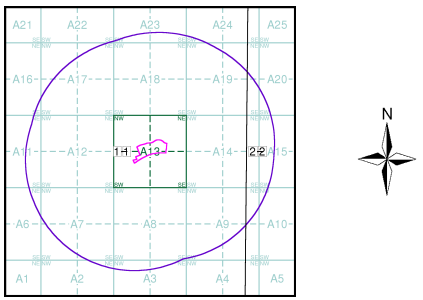
Geology 1:50,000 Maps

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



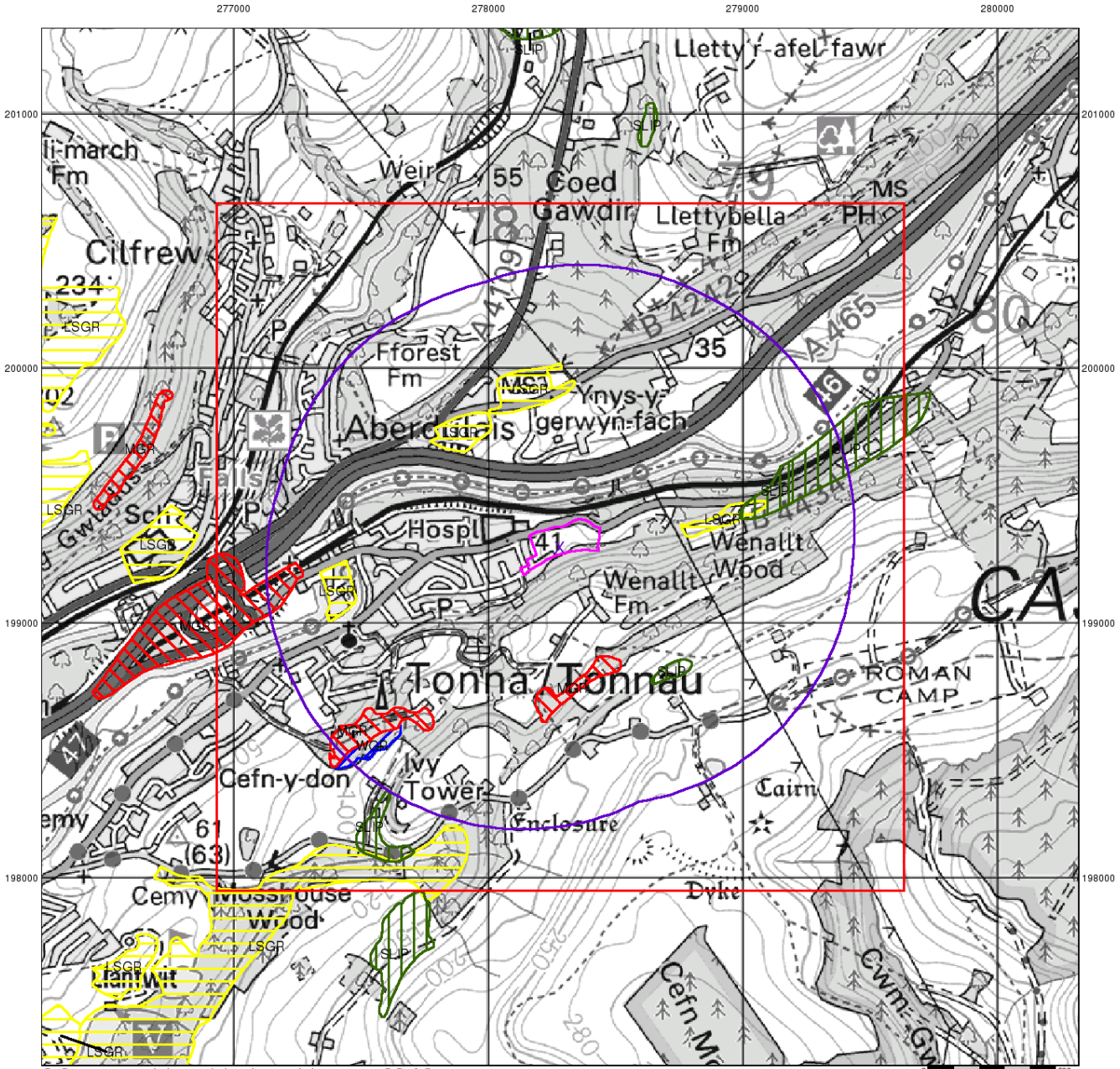
Order Details:

Order Number:	380126677_1_1
Customer Reference:	14277/LP
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Intégral Géotechnique

Artificial Ground and Landslip

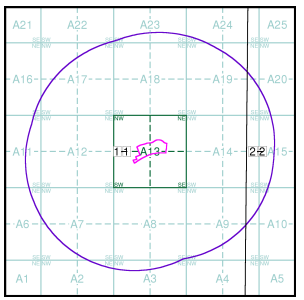
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



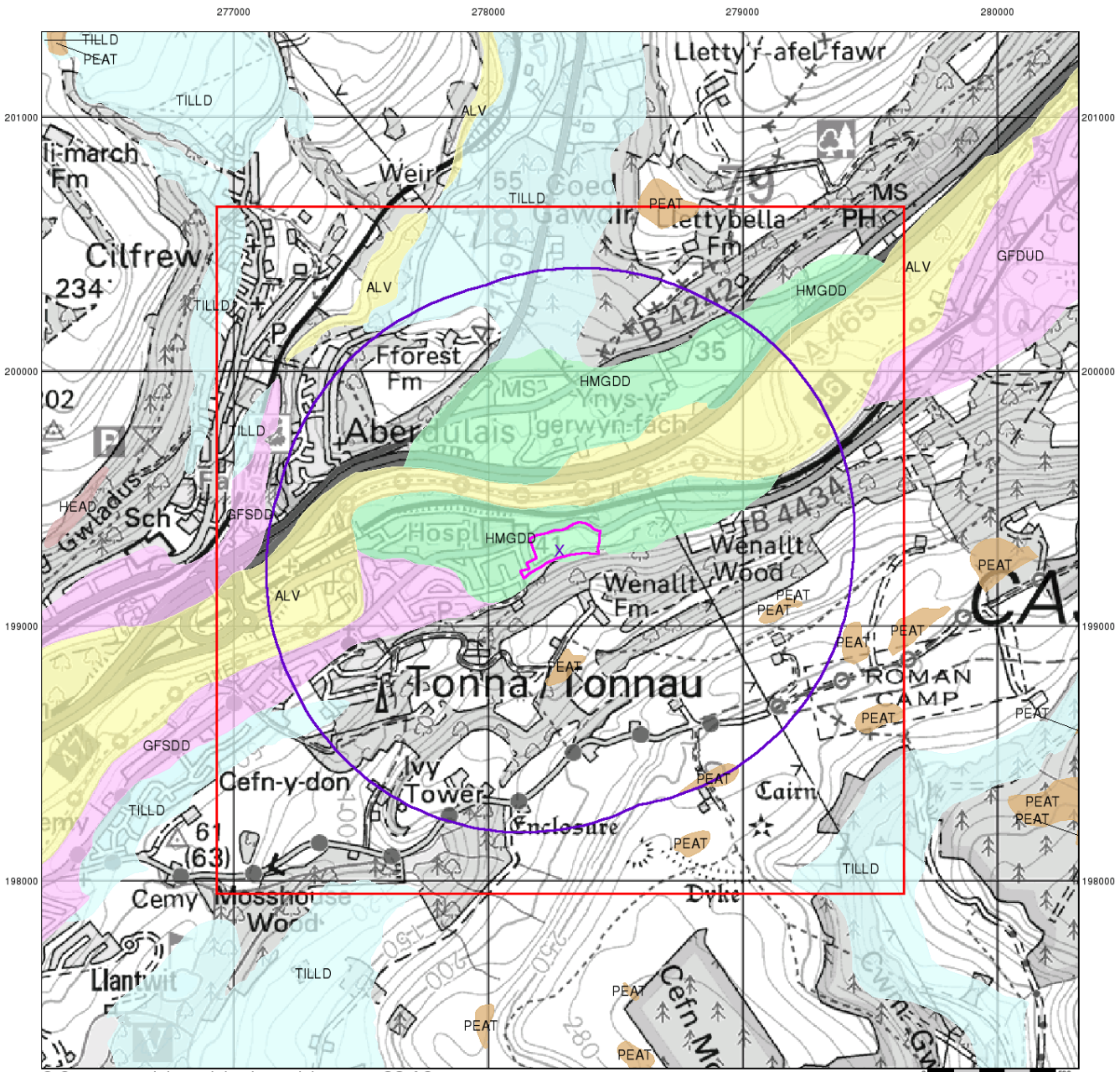
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Intégral
Géotechnique

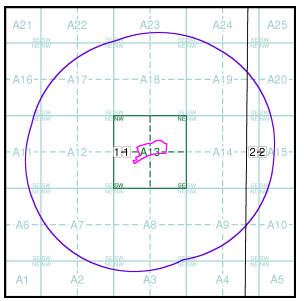
Superficial Geology

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



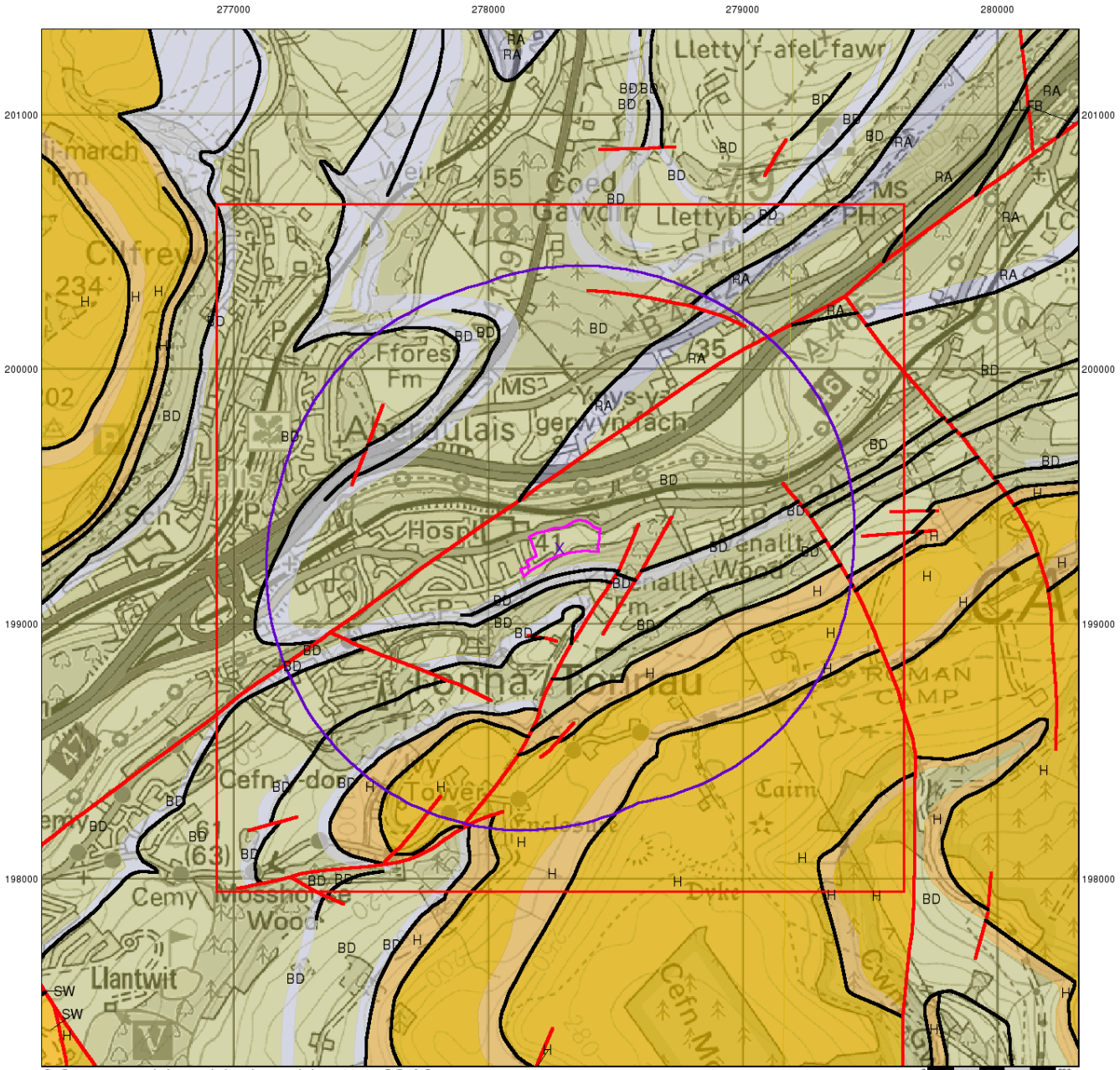
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Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details:

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Bedrock and Faults

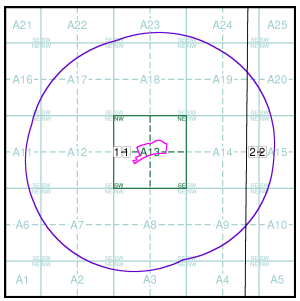
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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



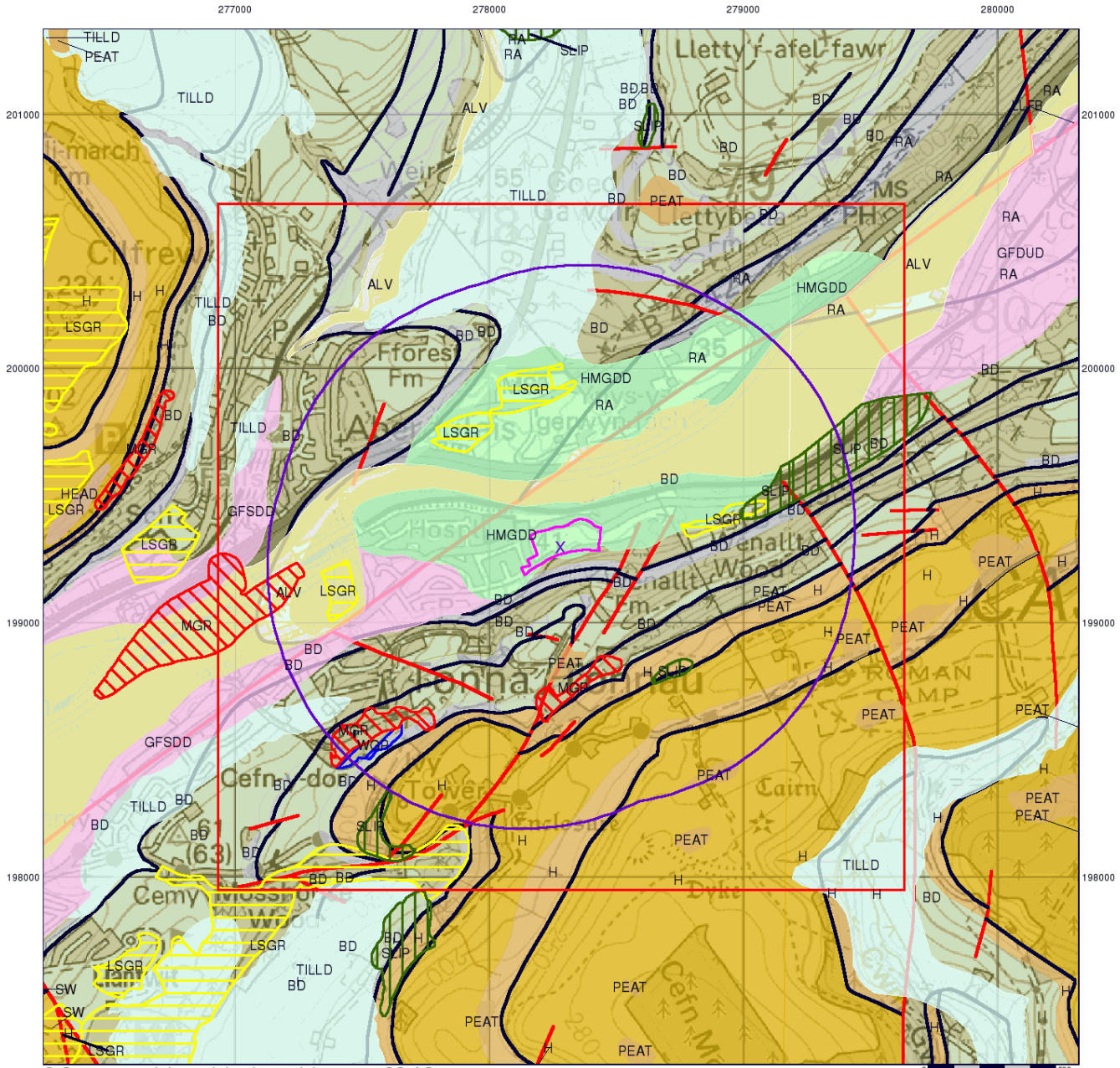
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Combined Surface Geology

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.

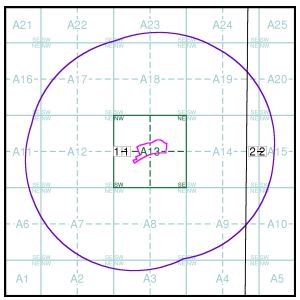
Additional Information

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:	380126677_1_1
Customer Reference:	14277/LP
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Site Details:

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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
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
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
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. 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
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

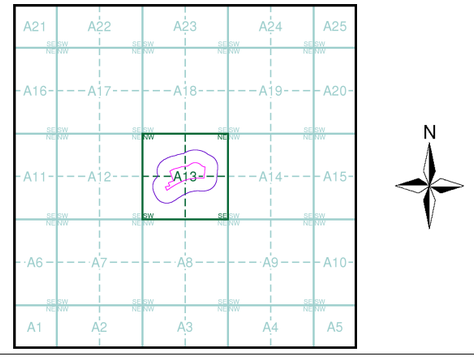
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or 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
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m 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

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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	1935 - 1936	5
Glamorganshire	1:10,560	1938 - 1951	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	1973	10
Ordnance Survey Plan	1:10,000	1983 - 1989	11
Ordnance Survey Plan	1:10,000	1992	12
10K Raster Mapping	1:10,000	1999	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2024	15

Historical Map - Slice A



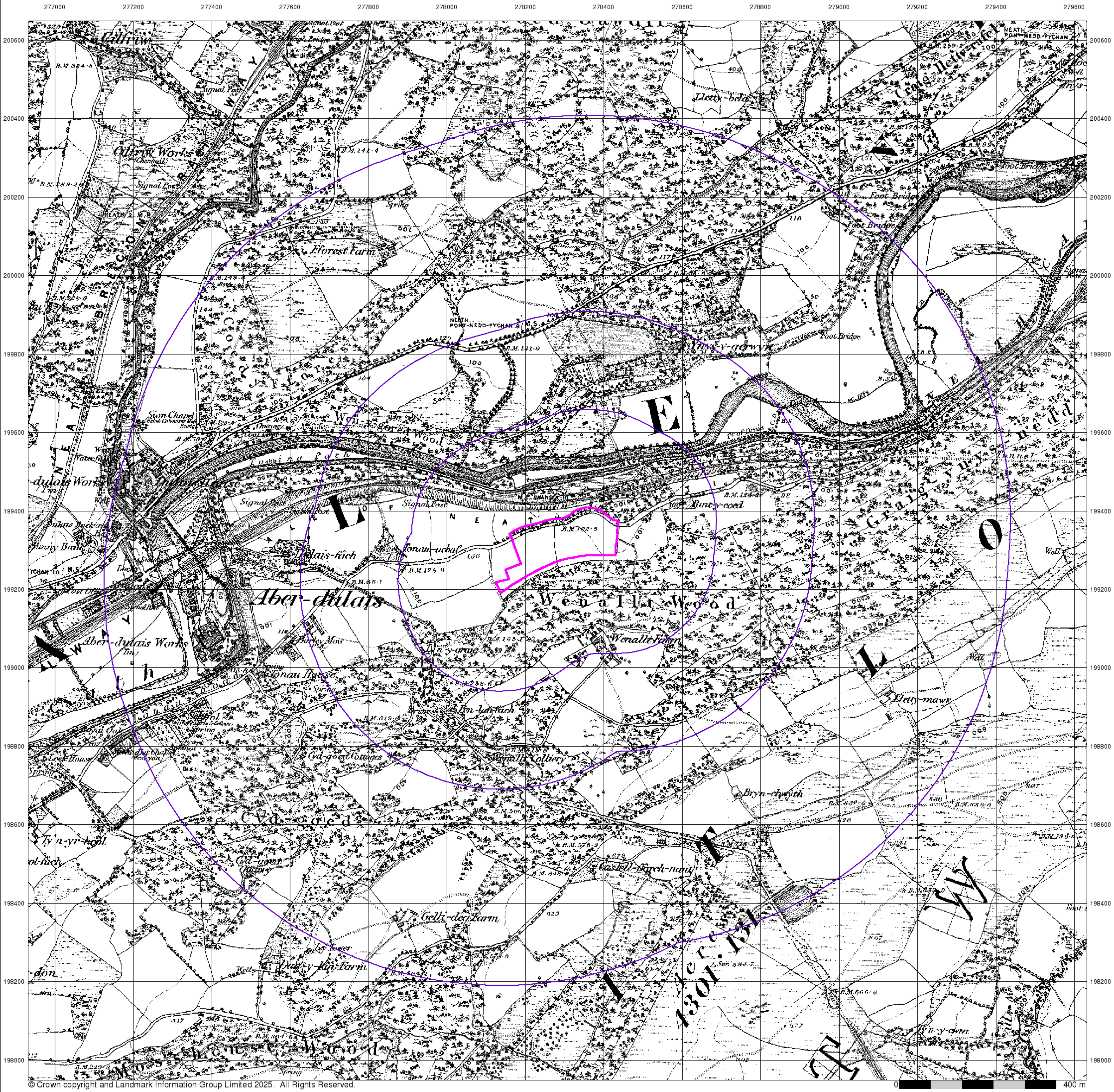
Order Details

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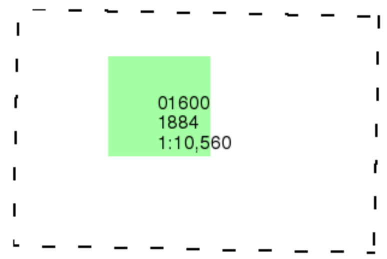
Glamorganshire

Published 1884

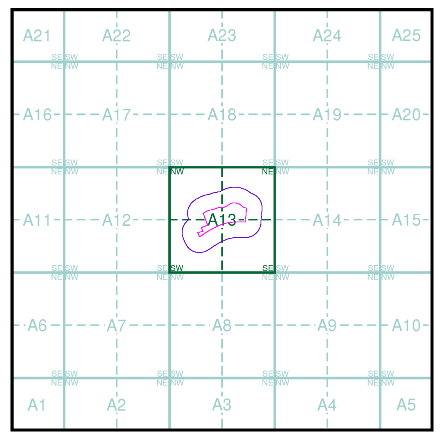
Source map scale - 1:10,560

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

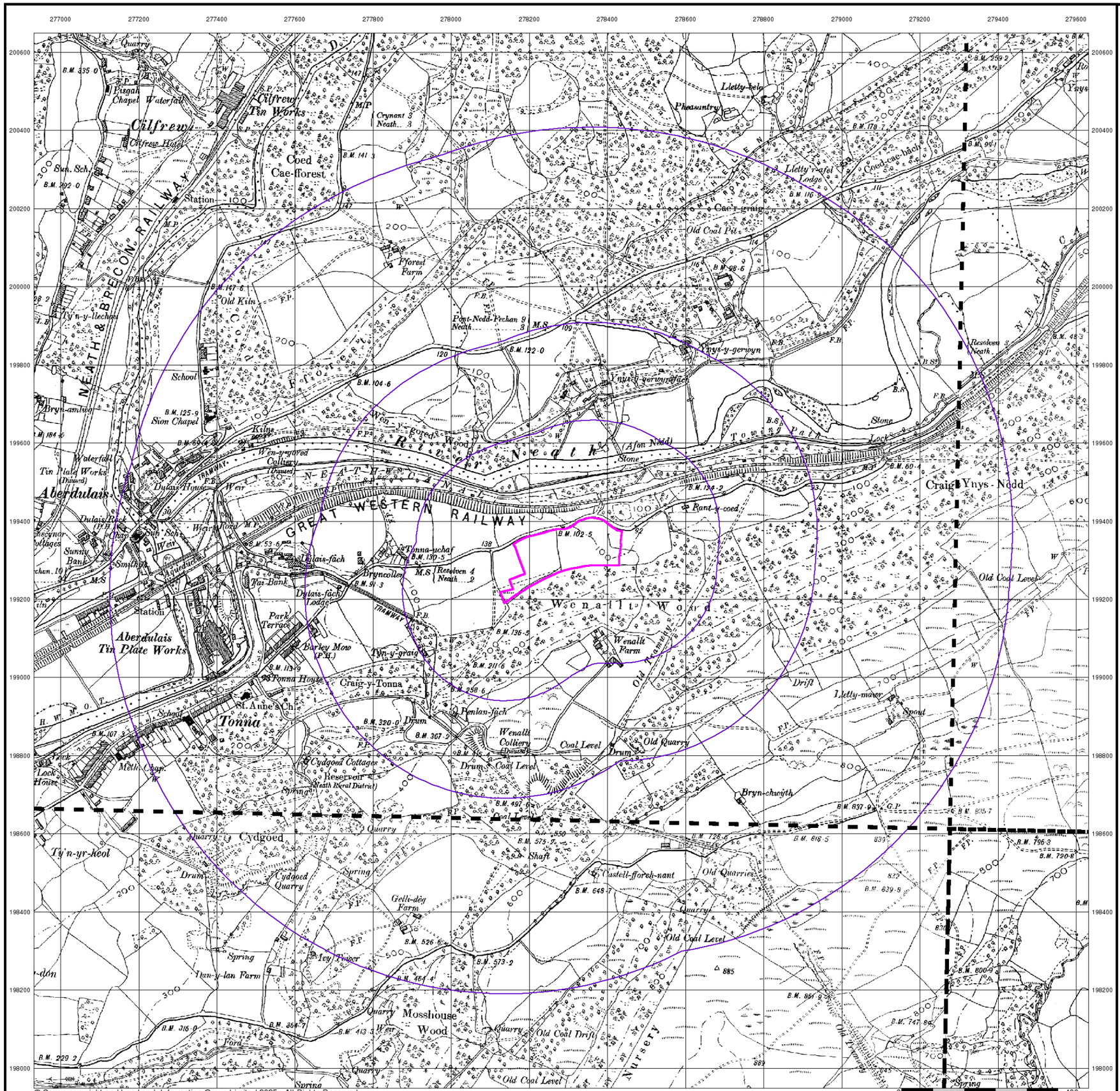
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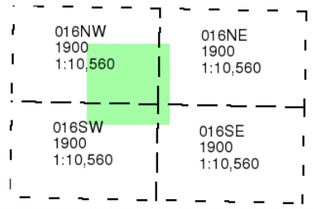
Glamorganshire

Published 1900

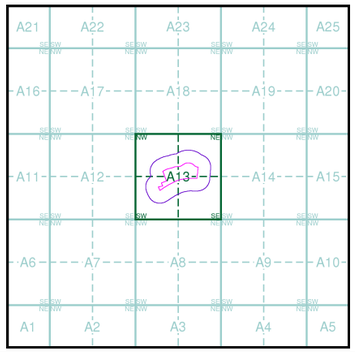
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

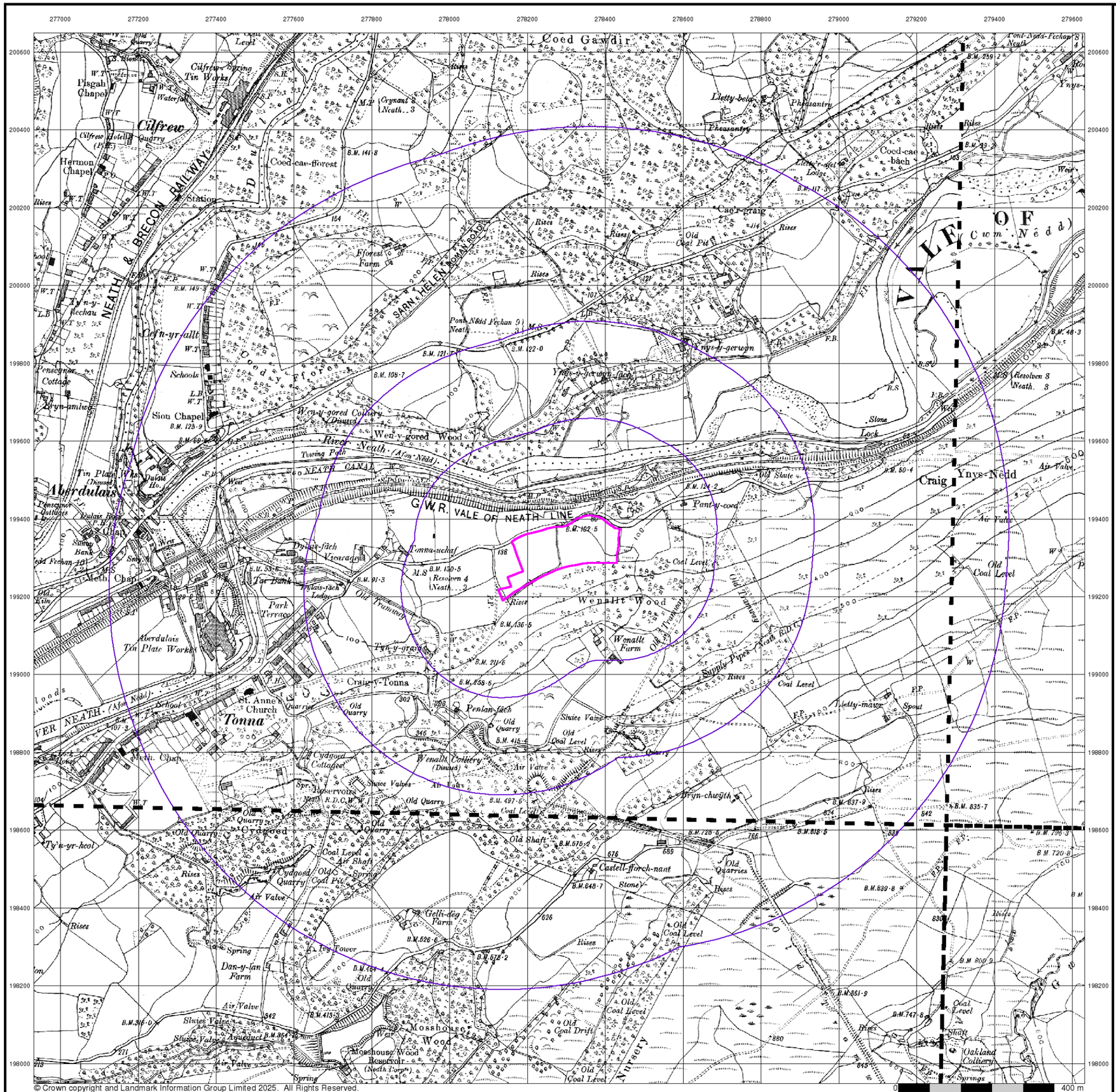
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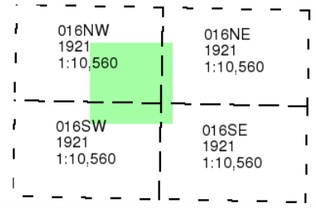
Glamorganshire

Published 1921

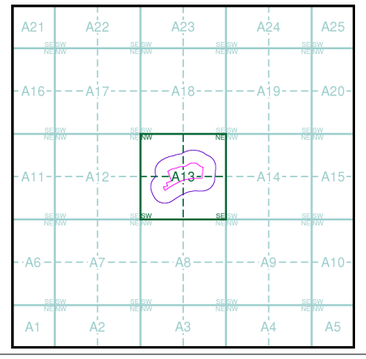
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Map Name(s) and Date(s)



Historical Map - Slice A



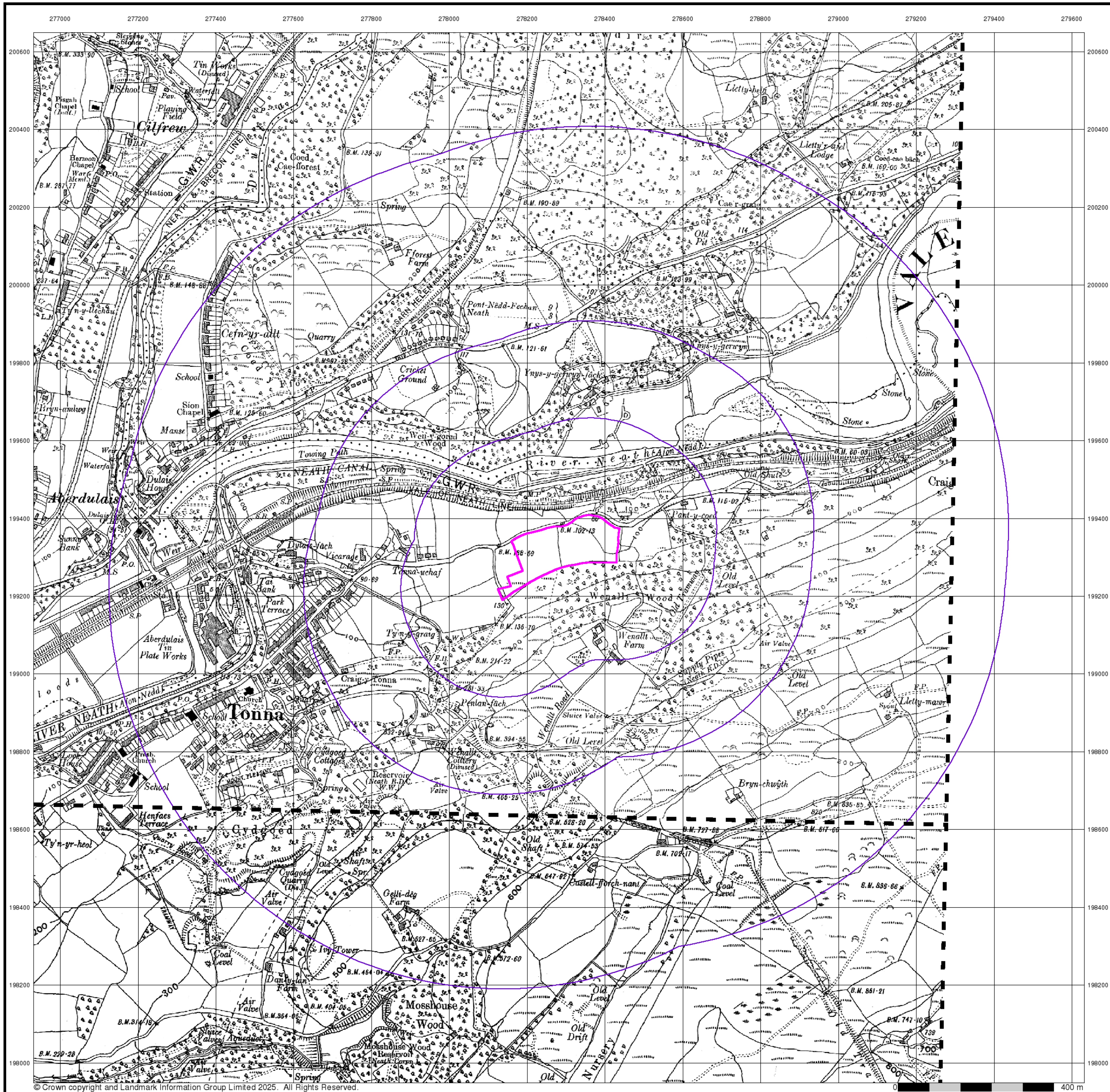
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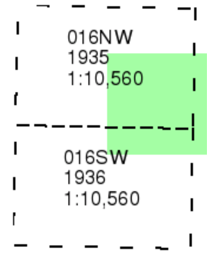
Glamorganshire

Published 1935 - 1936

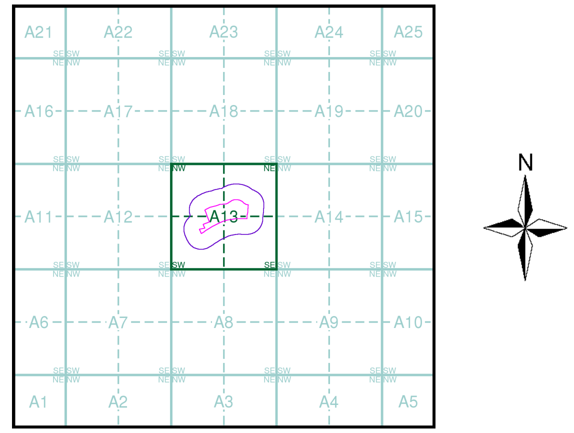
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Historical Map - Slice A



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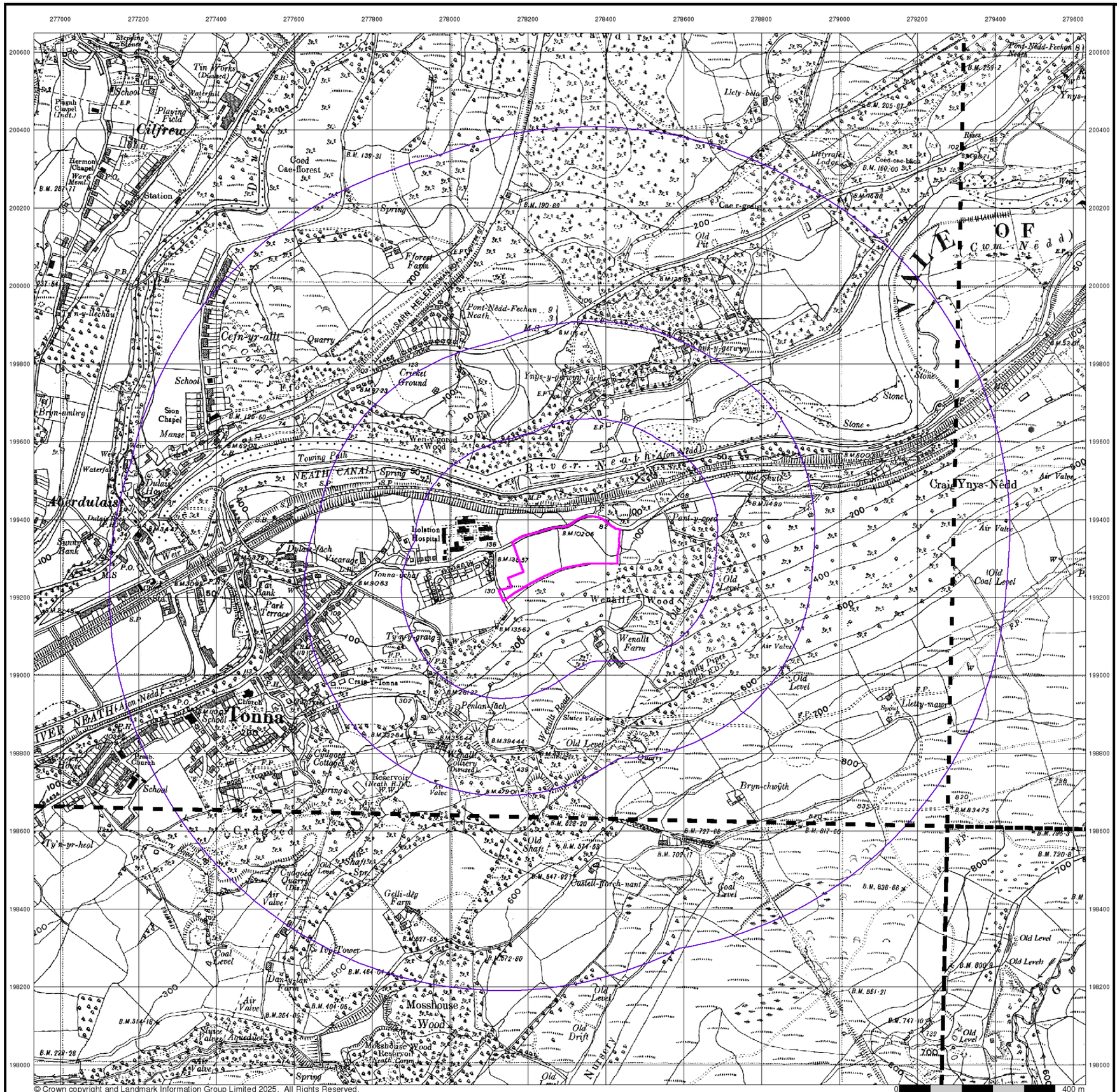
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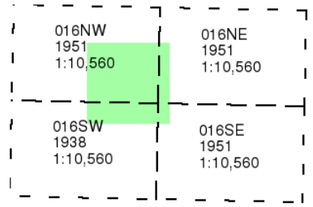
Glamorganshire

Published 1938 - 1951

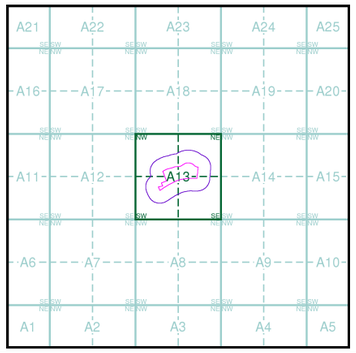
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

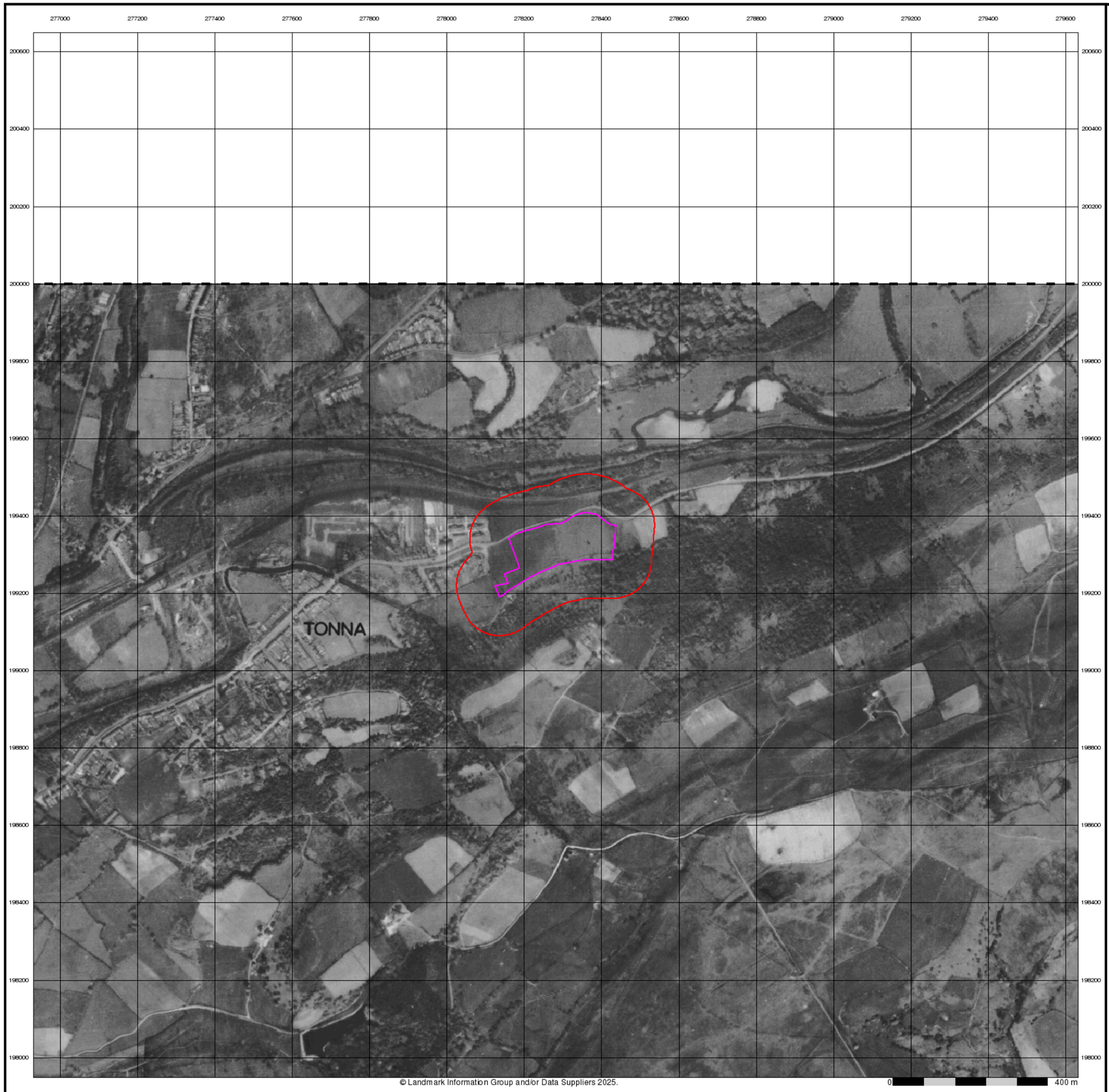
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Historical Aerial Photography

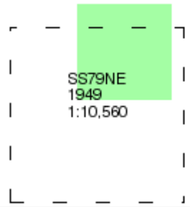
Published 1949

Source map scale - 1:10,560

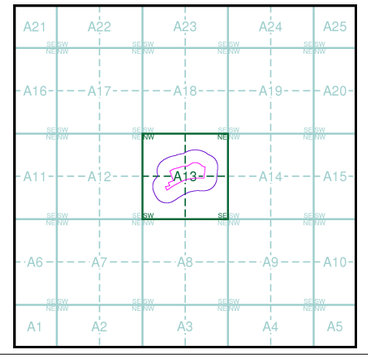
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



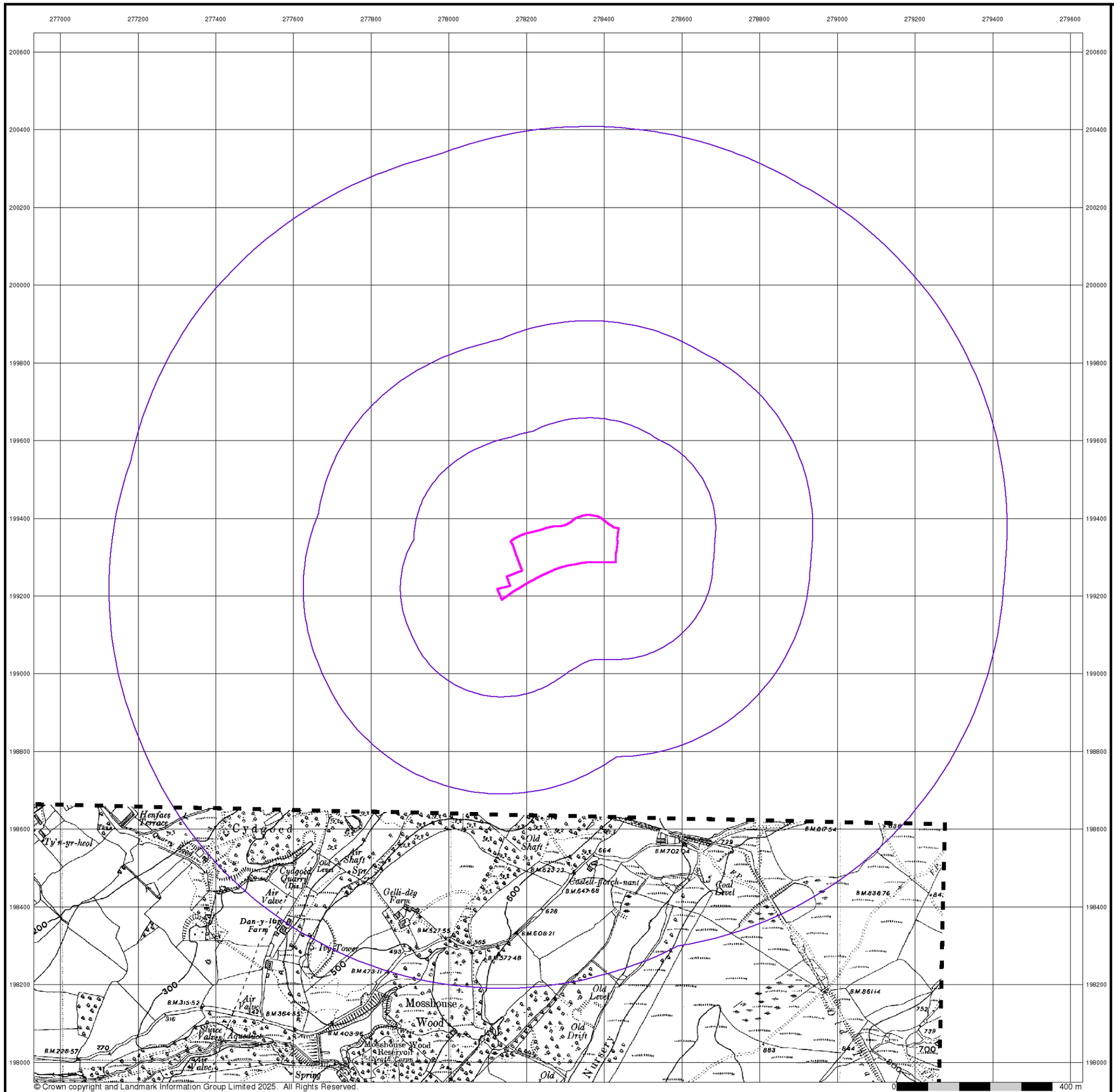
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Intégral Géotechnique

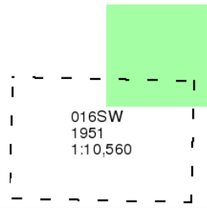
Glamorganshire

Published 1951

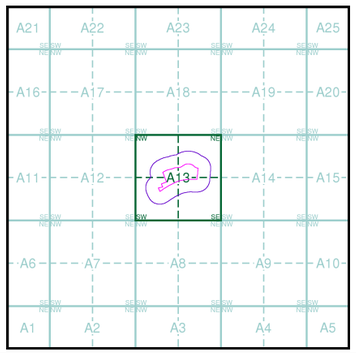
Source map scale - 1:10,560

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



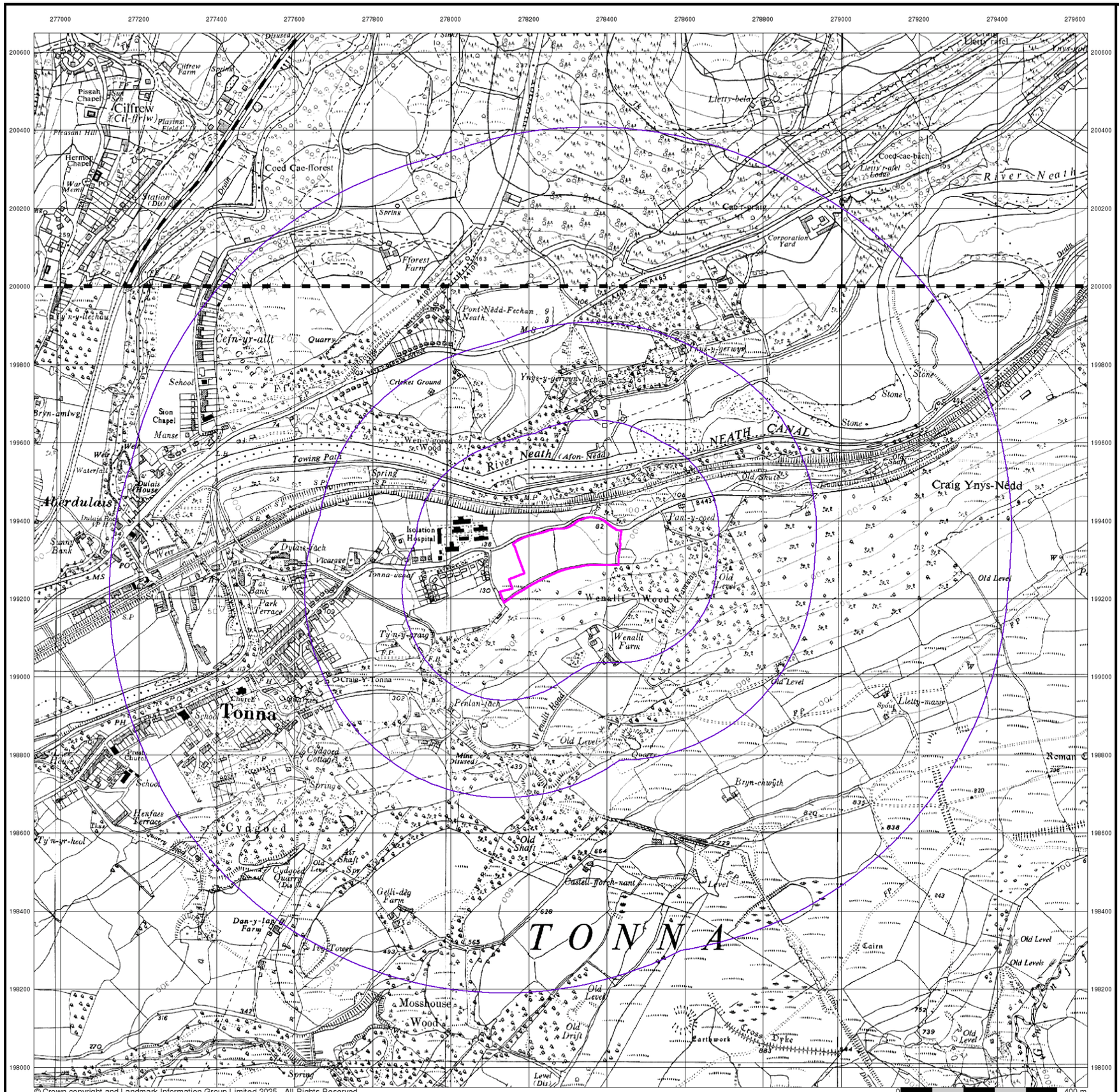
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Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

Heol y Glo, Tonna, SA11 3NJ

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0 400 m

Intégral Géotechnique

Ordnance Survey Plan

Published 1964

Source map scale - 1:10,000

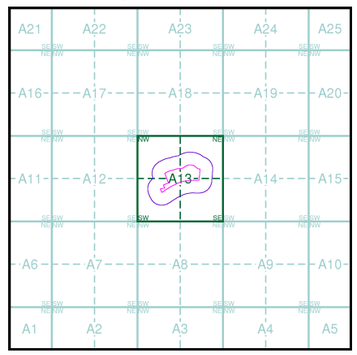
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SN70SE
1964
1:10,560

SS79NE
1964
1:10,560

Historical Map - Slice A



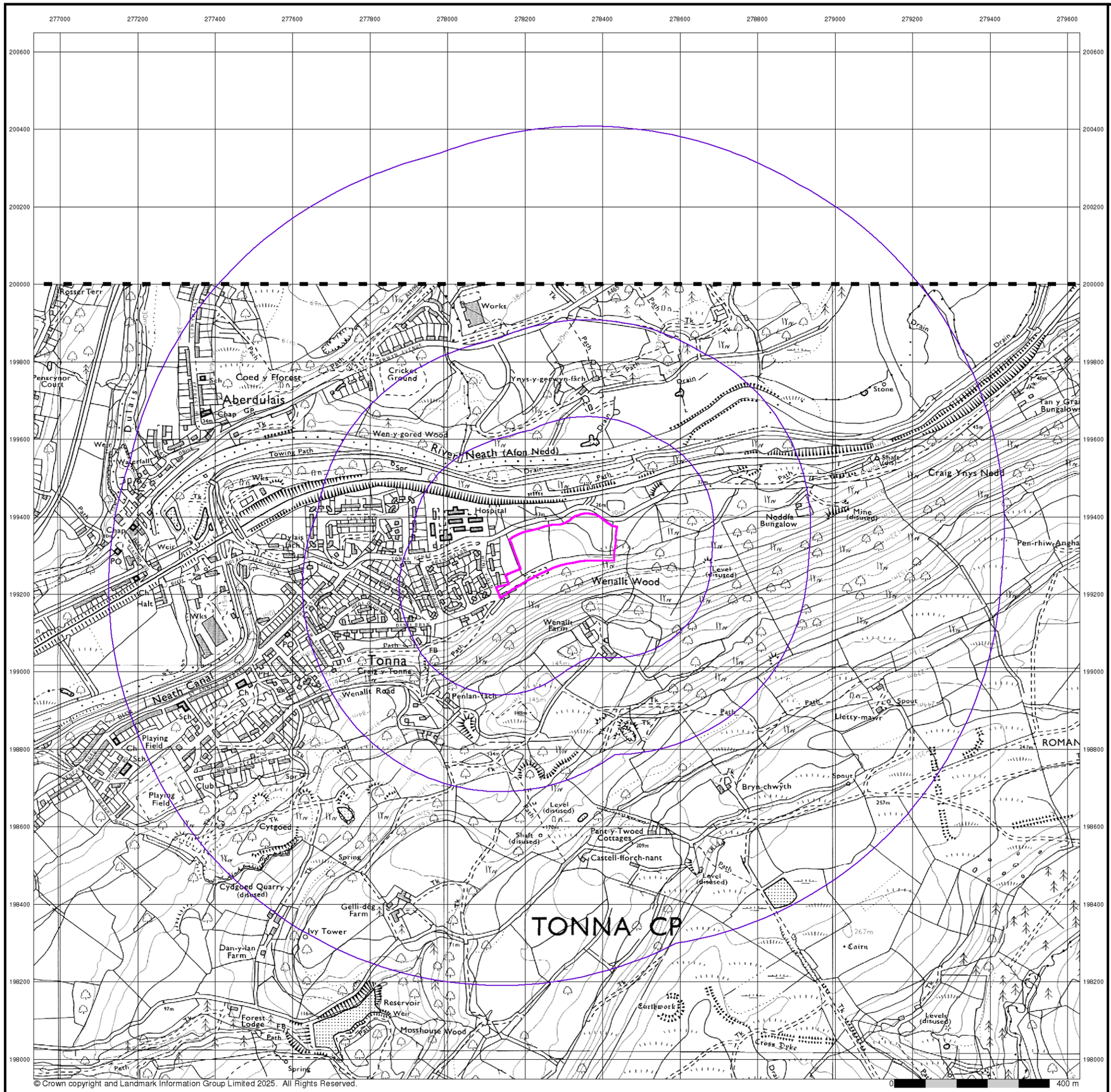
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Site Details

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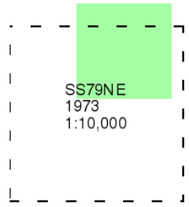
Ordnance Survey Plan

Published 1973

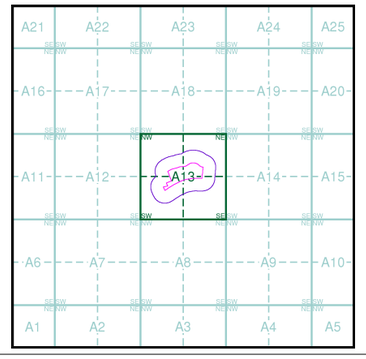
Source map scale - 1:10,000

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



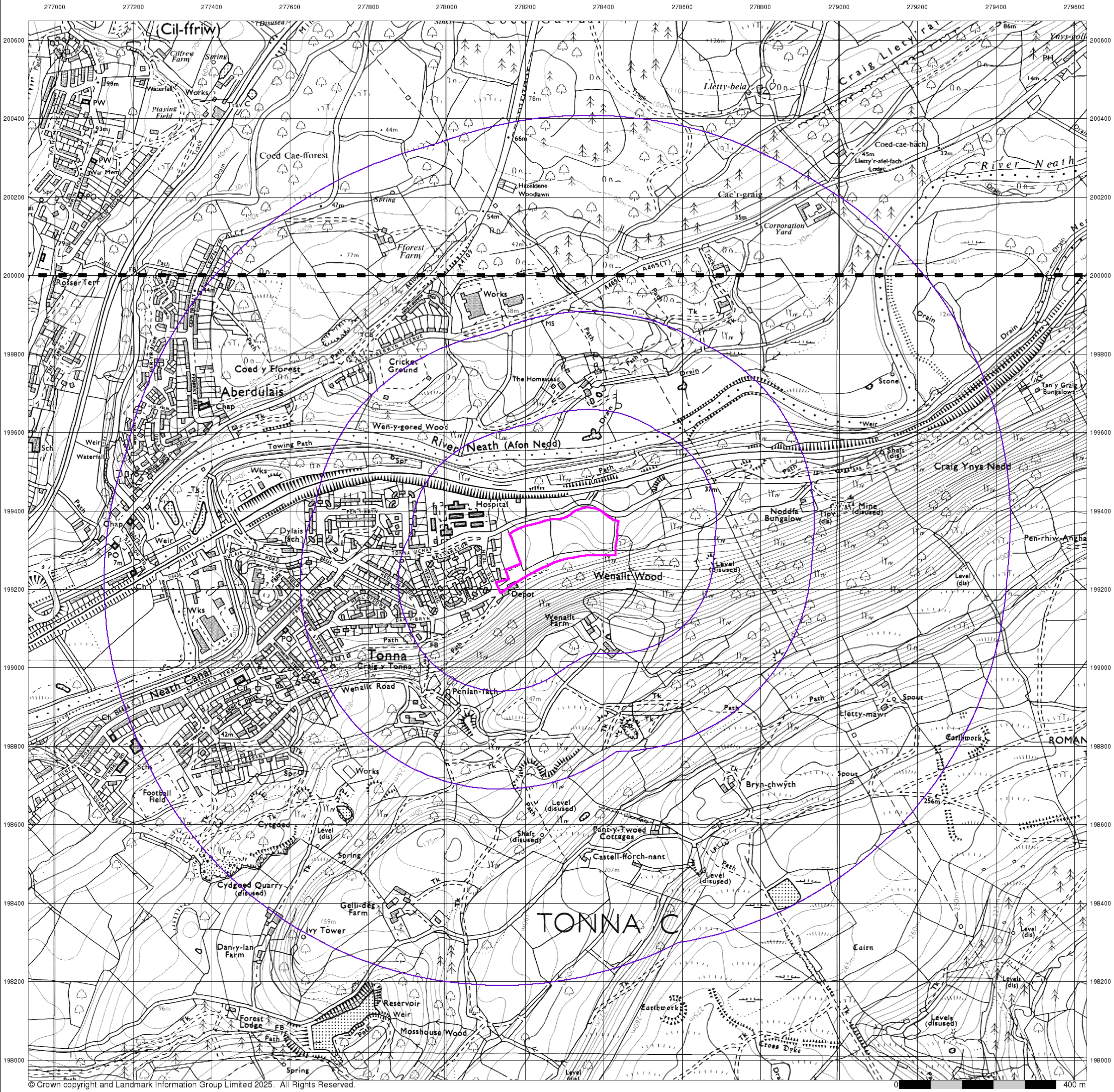
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Site Area (Ha):	3.16
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Site Details

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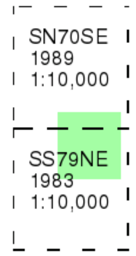
Ordnance Survey Plan

Published 1983 - 1989

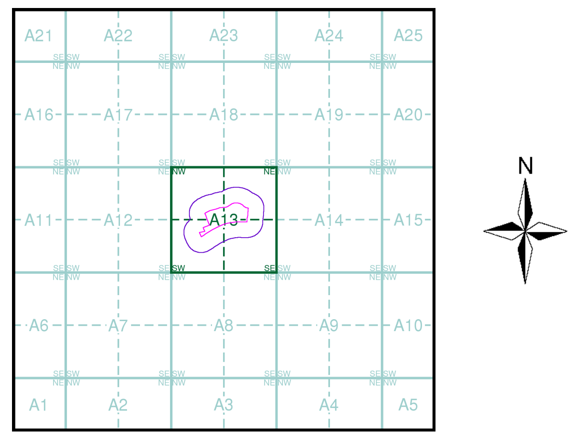
Source map scale - 1:10,000

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

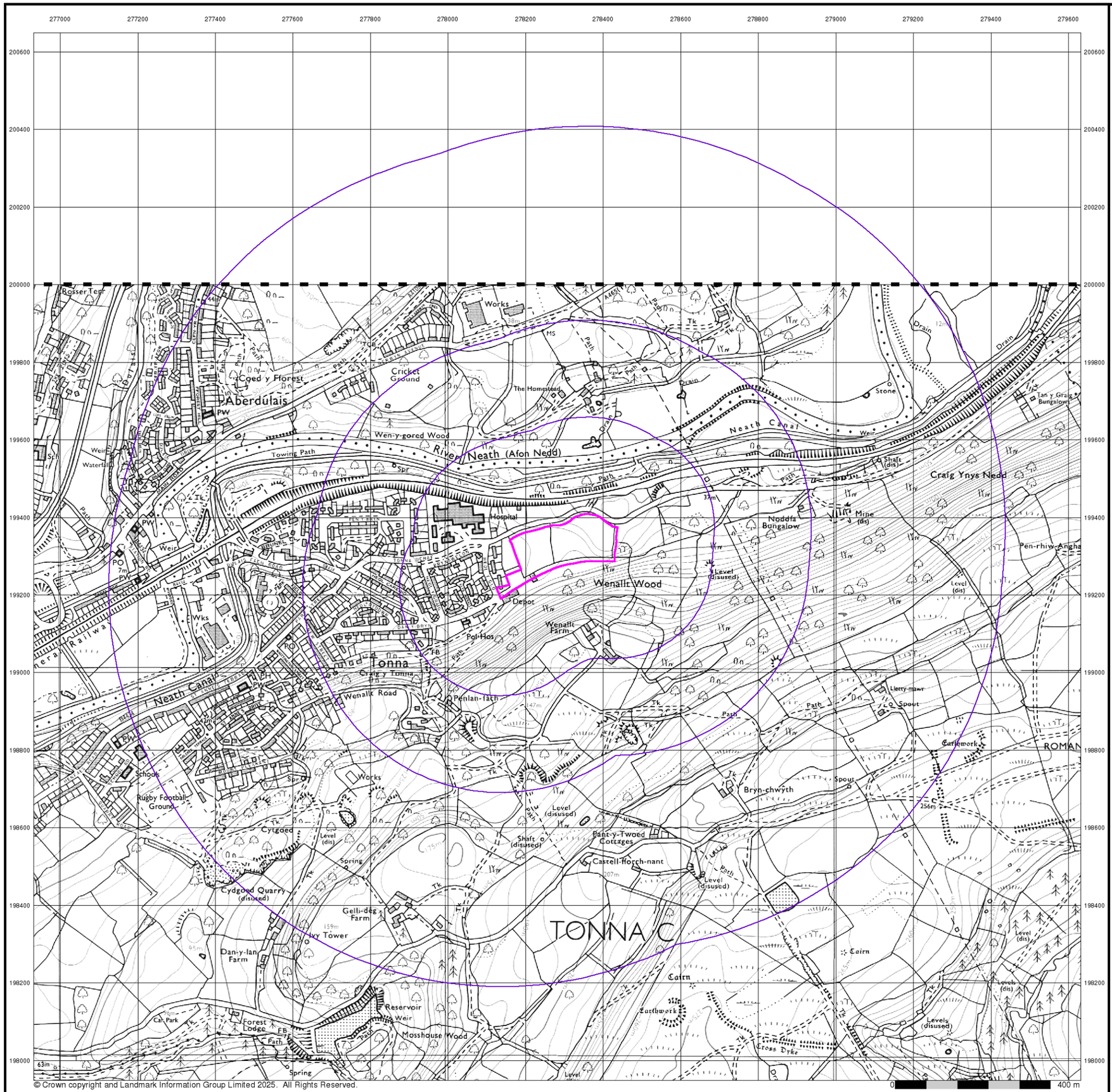
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Search Buffer (m): 1000

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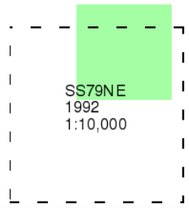
Ordnance Survey Plan

Published 1992

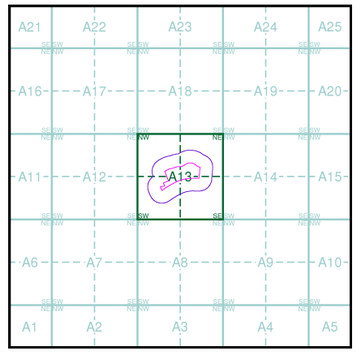
Source map scale - 1:10,000

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



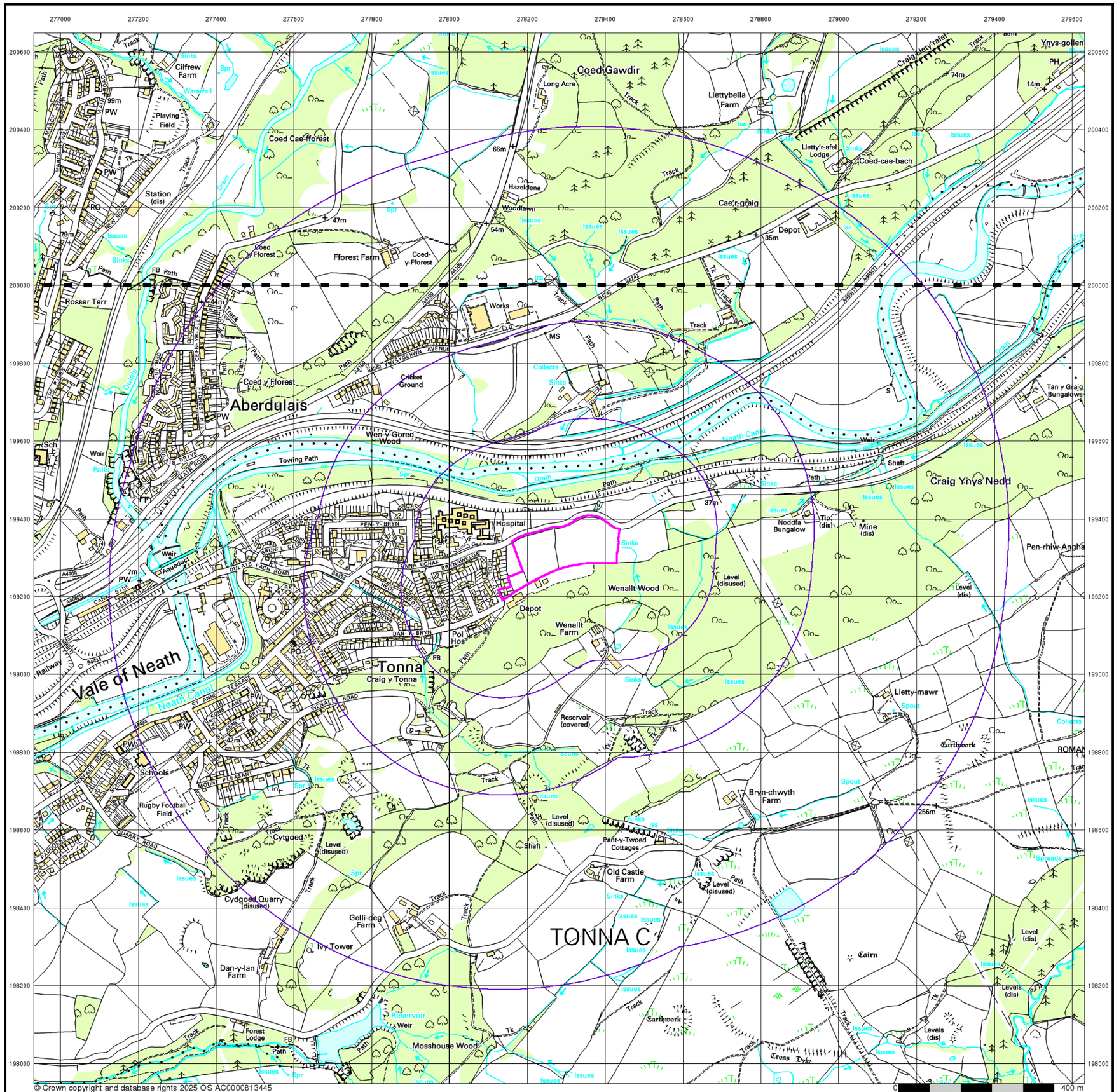
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Intégral Géotechnique

10k Raster Mapping

Published 1999

Source map scale - 1:10,000

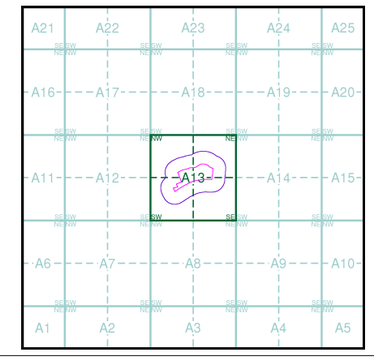
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SN70SE 1999 1:10,000

SS79NE 1999 1:10,000

Historical Map - Slice A



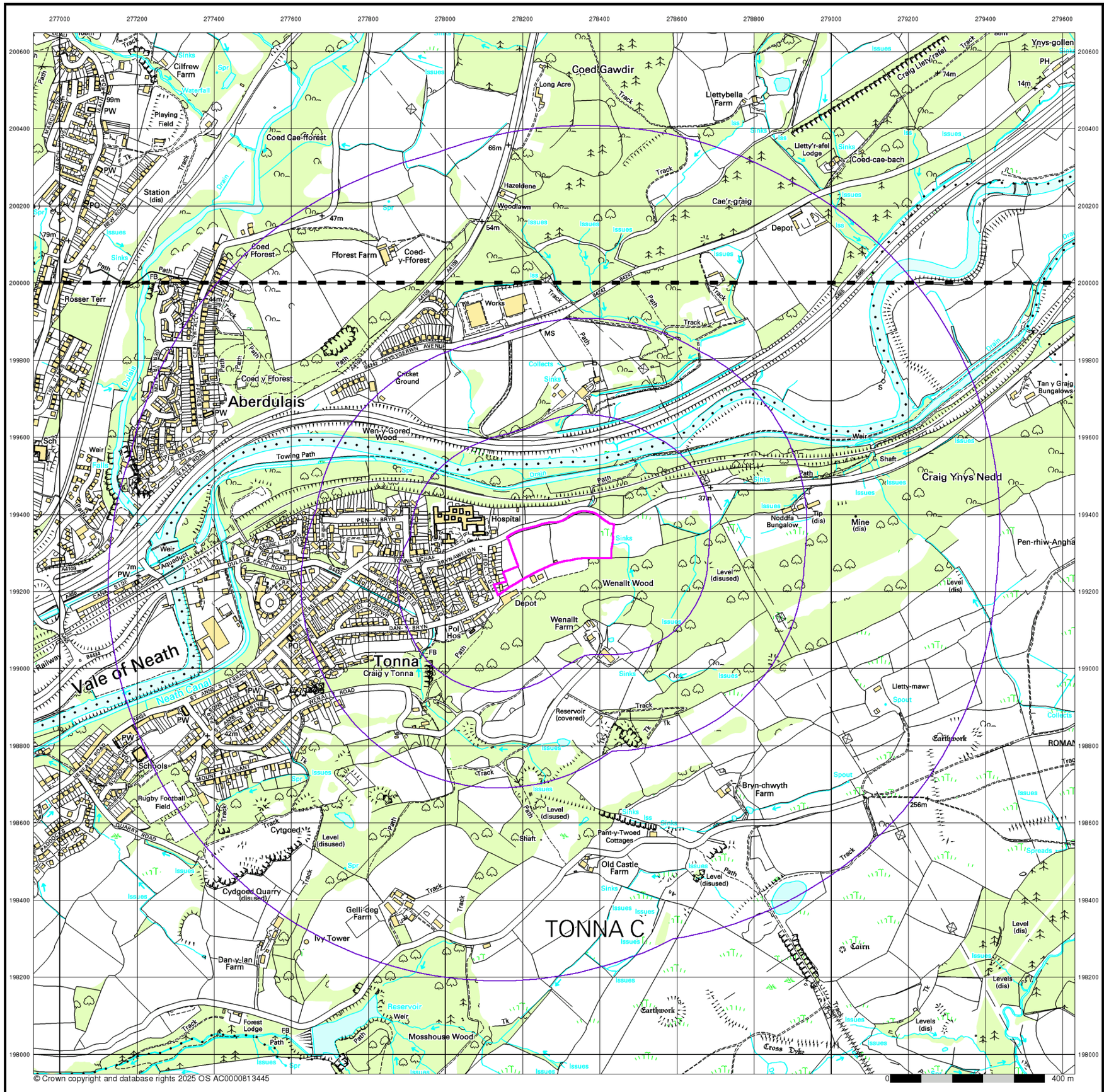
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Search Buffer (m):	1000

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Intégral Géotechnique

10k Raster Mapping

Published 2006

Source map scale - 1:10,000

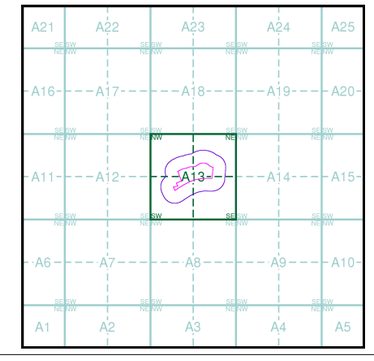
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SN70SE 2006 1:10,000

SS79NE 2006 1:10,000

Historical Map - Slice A



Order Details

Order Number:	380126677_1_1
Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
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Site Details

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Intégral Géotechnique

VectorMap Local

Published 2024

Source map scale - 1:10,000

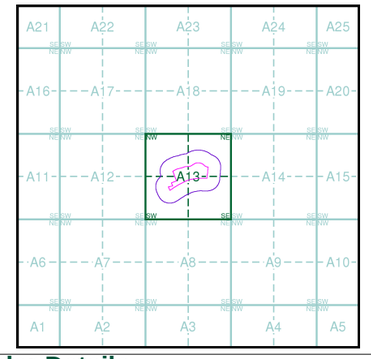
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap 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)

SN70SE
2024
Variable

SS79NE
2024
Variable

Historical Map - Slice A



Order Details

Order Number:	380126677_1_1
Customer Ref:	14277/LP
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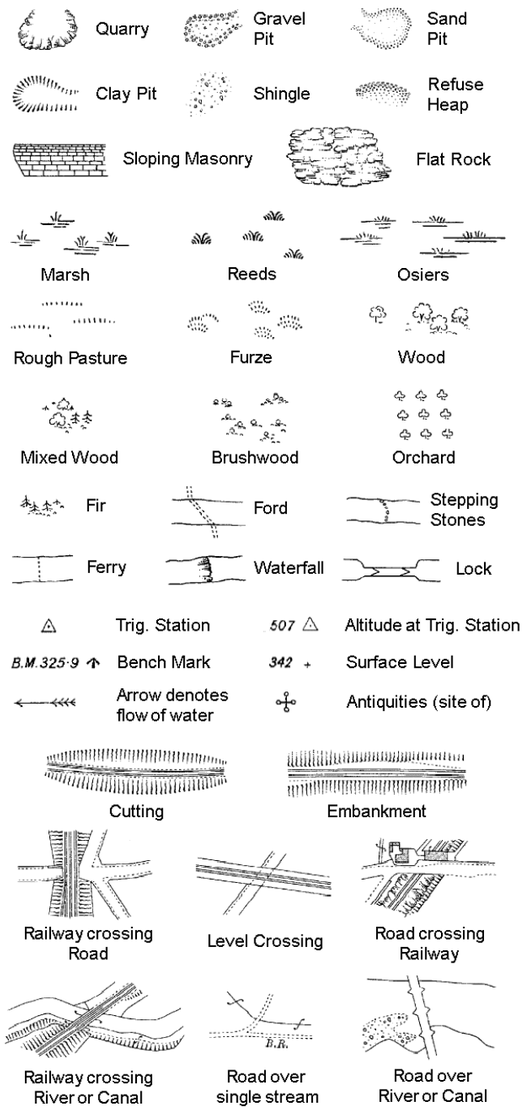
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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

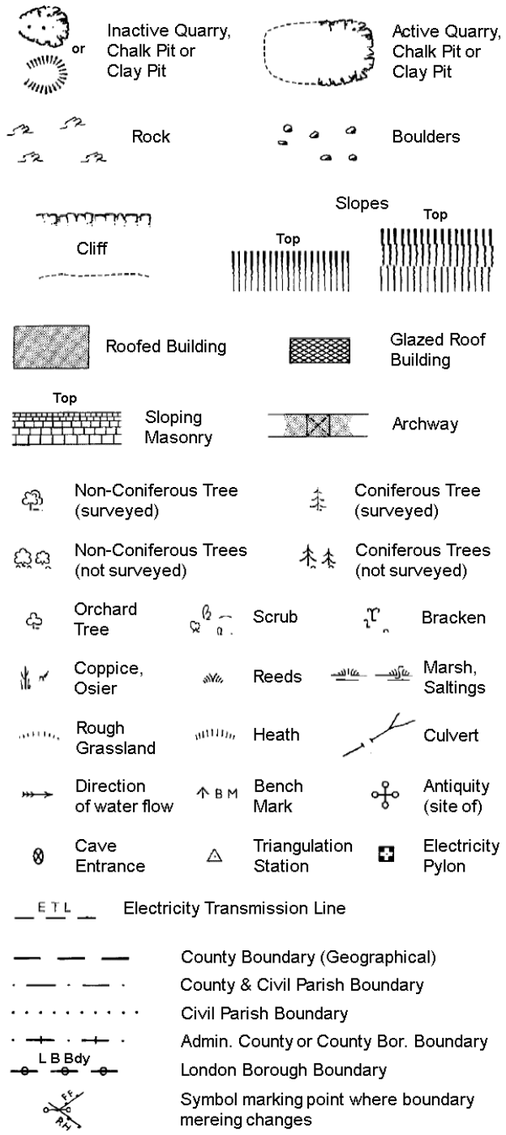
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

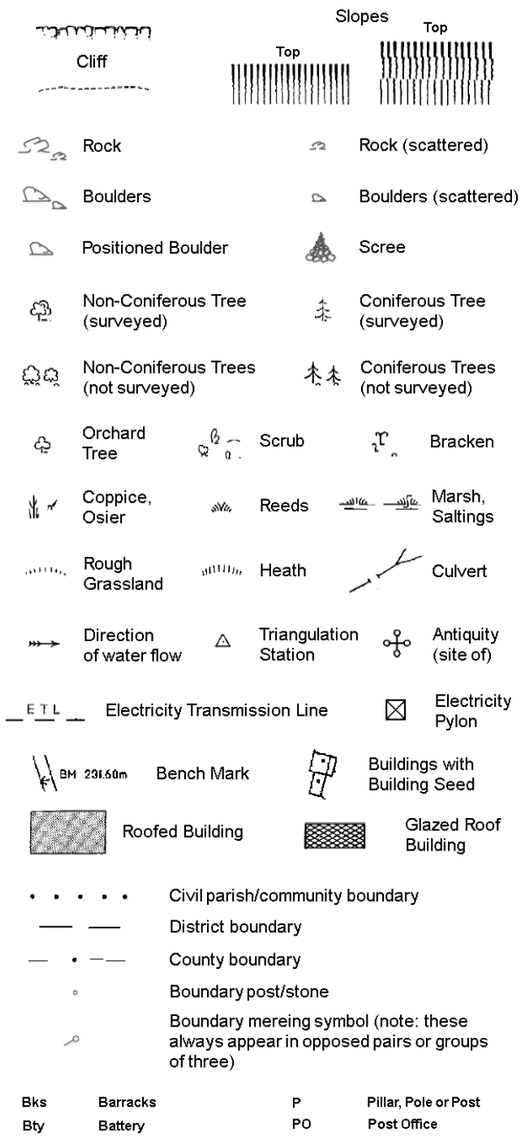
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

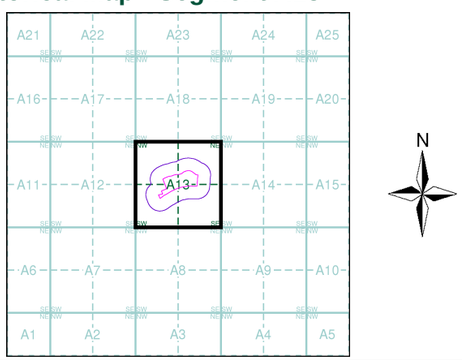
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1880	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1919	4
Glamorganshire	1:2,500	1935	5
Ordnance Survey Plan	1:2,500	1964	6
Additional SIMs	1:2,500	1978 - 1981	7
Ordnance Survey Plan	1:2,500	1984	8
Additional SIMs	1:2,500	1984 - 1991	9
Large-Scale National Grid Data	1:2,500	1993	10
Large-Scale National Grid Data	1:2,500	1993 - 1994	11
Historical Aerial Photography	1:2,500	2000	12

Historical Map - Segment A13



Order Details

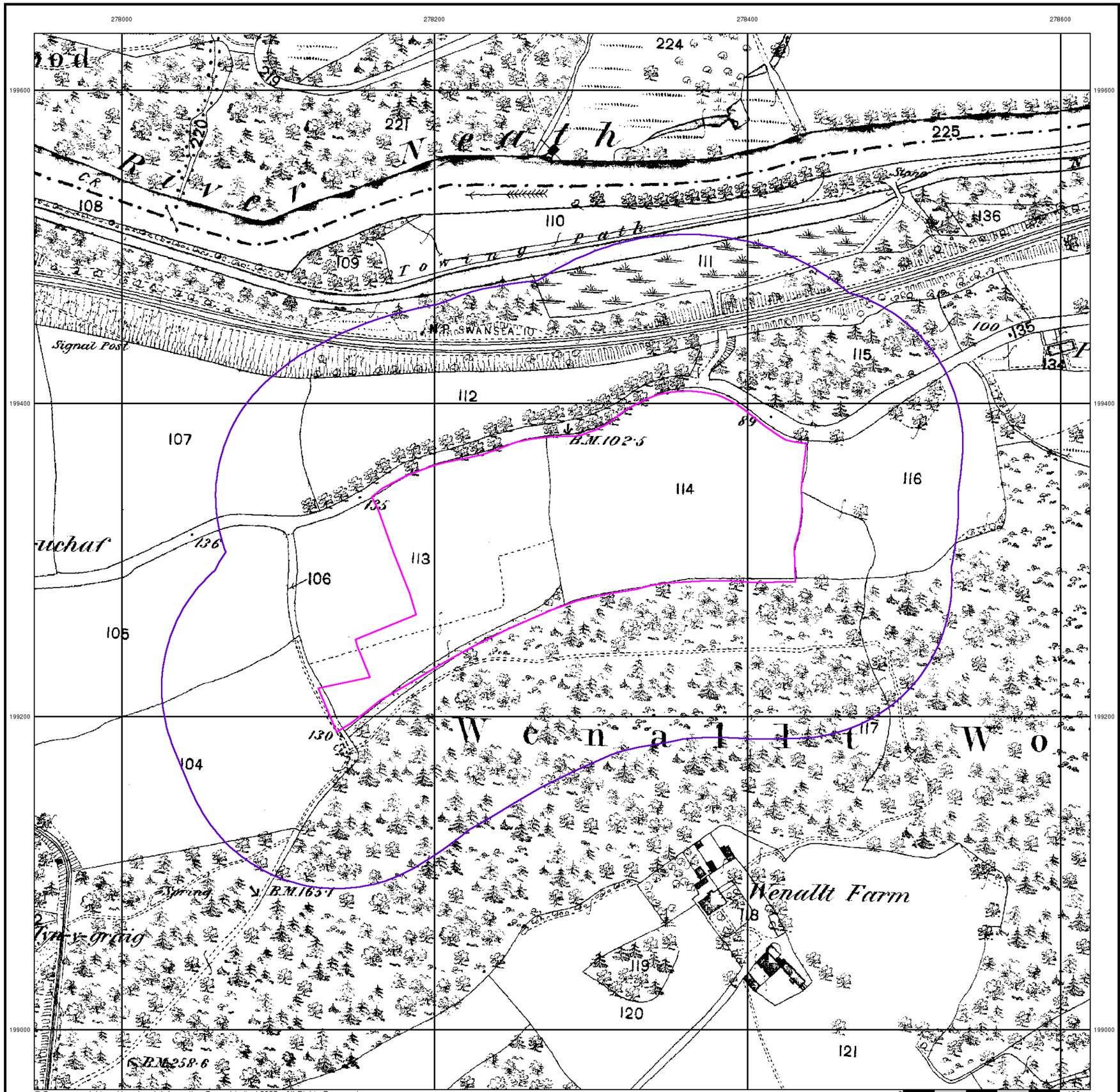
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National Grid Reference:	278280, 199300
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Site Area (Ha):	3.16
Search Buffer (m):	100

Site Details

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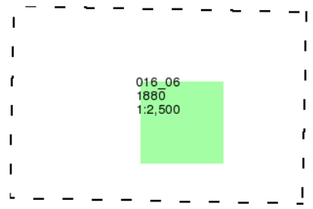
Glamorganshire

Published 1880

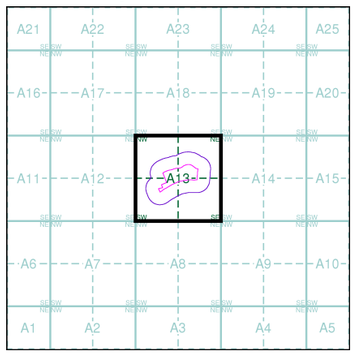
Source map scale - 1:2,500

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



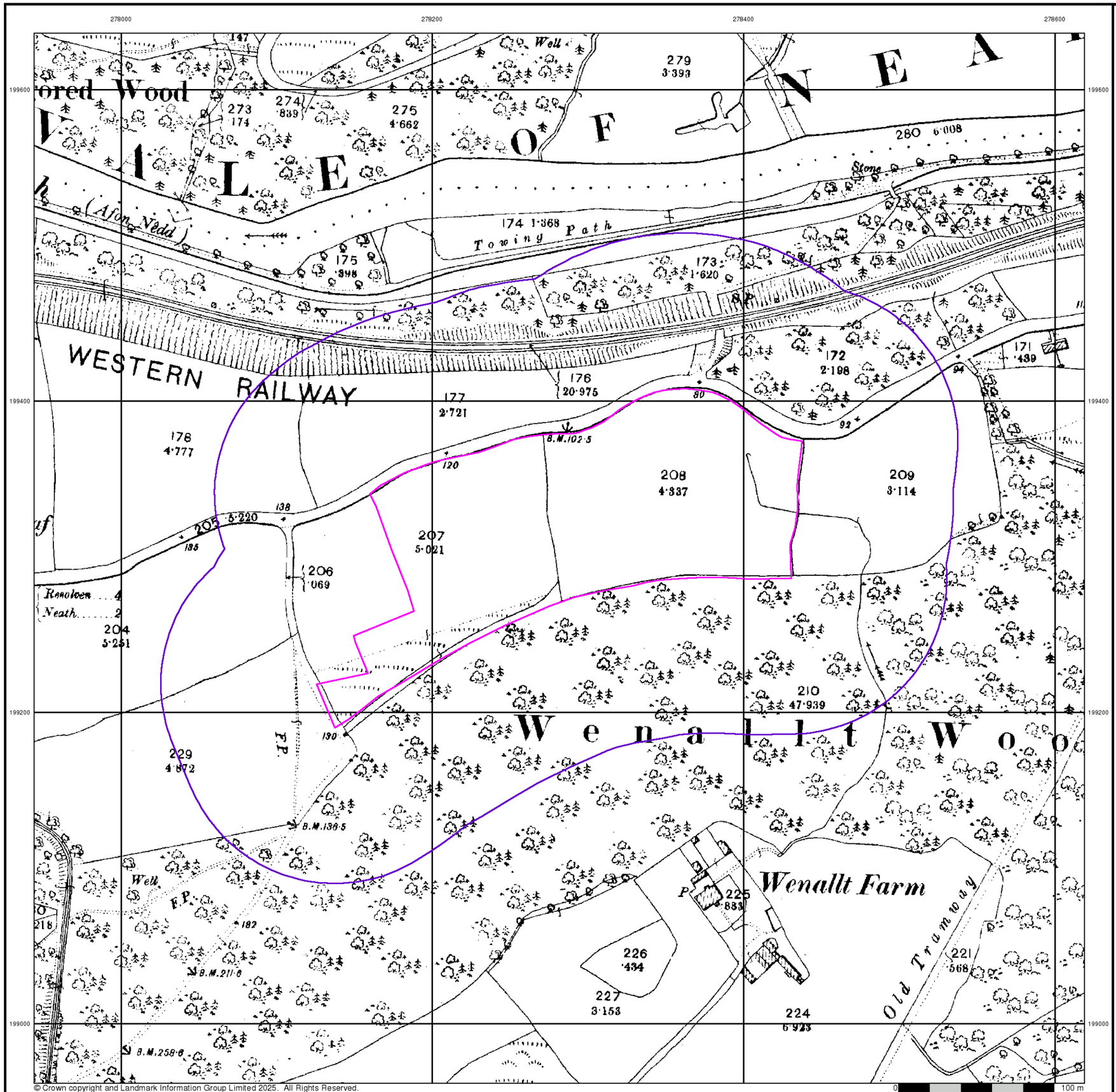
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National Grid Reference:	278280, 199300
Slice:	A
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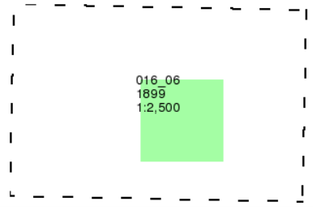
Glamorganshire

Published 1899

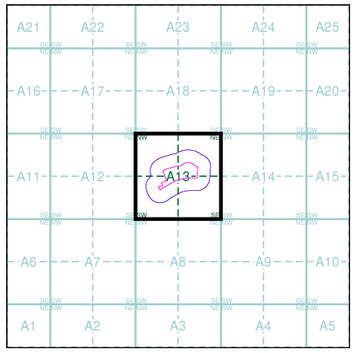
Source map scale - 1:2,500

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



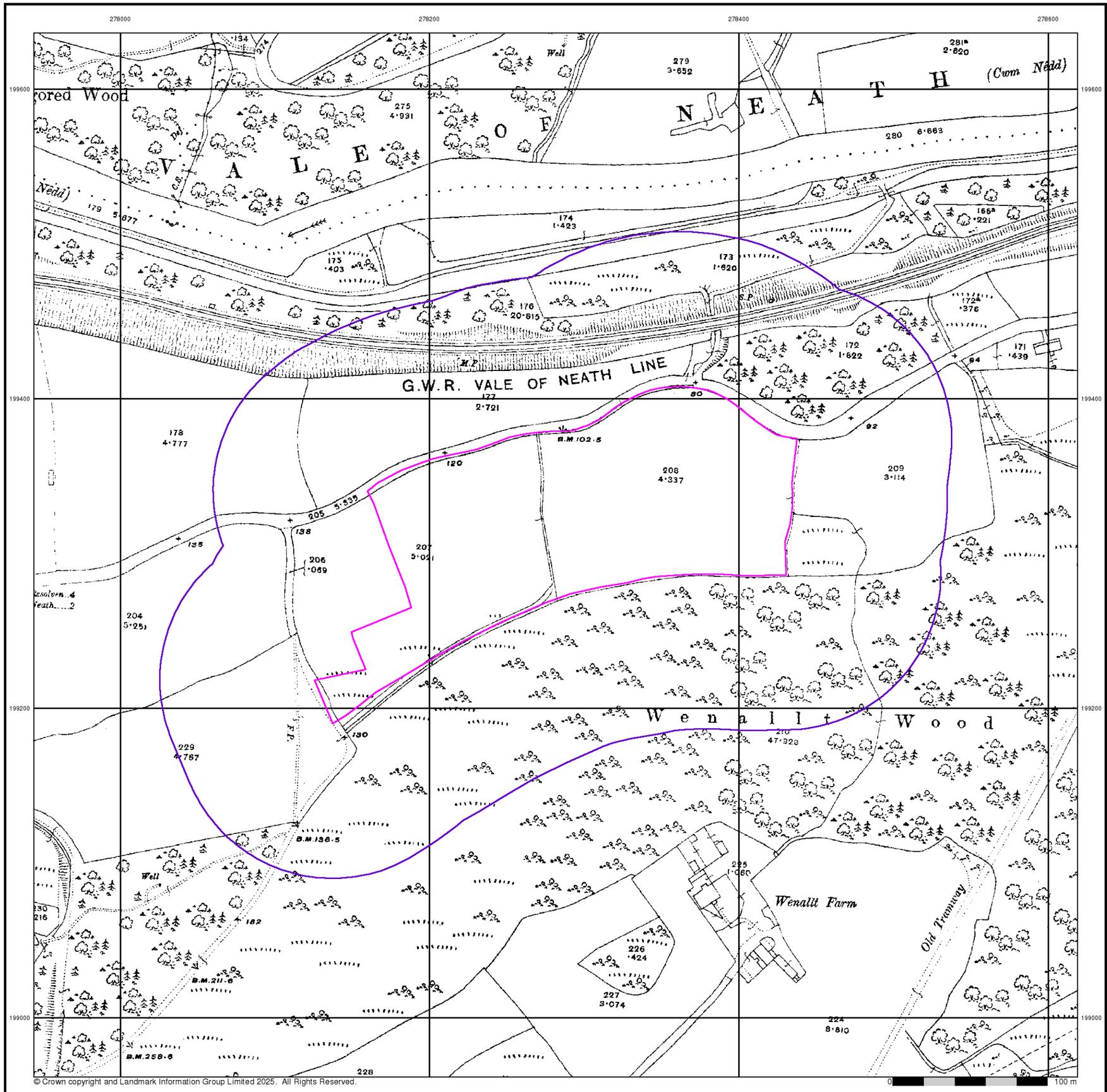
Order Details

Order Number:	380126677_1_1
Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	100

Site Details

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Web: www.envirocheck.co.uk



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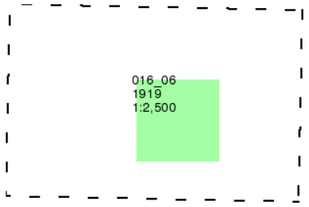
Glamorganshire

Published 1919

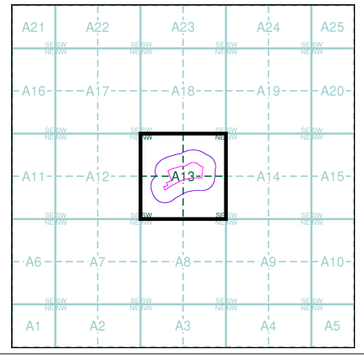
Source map scale - 1:2,500

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



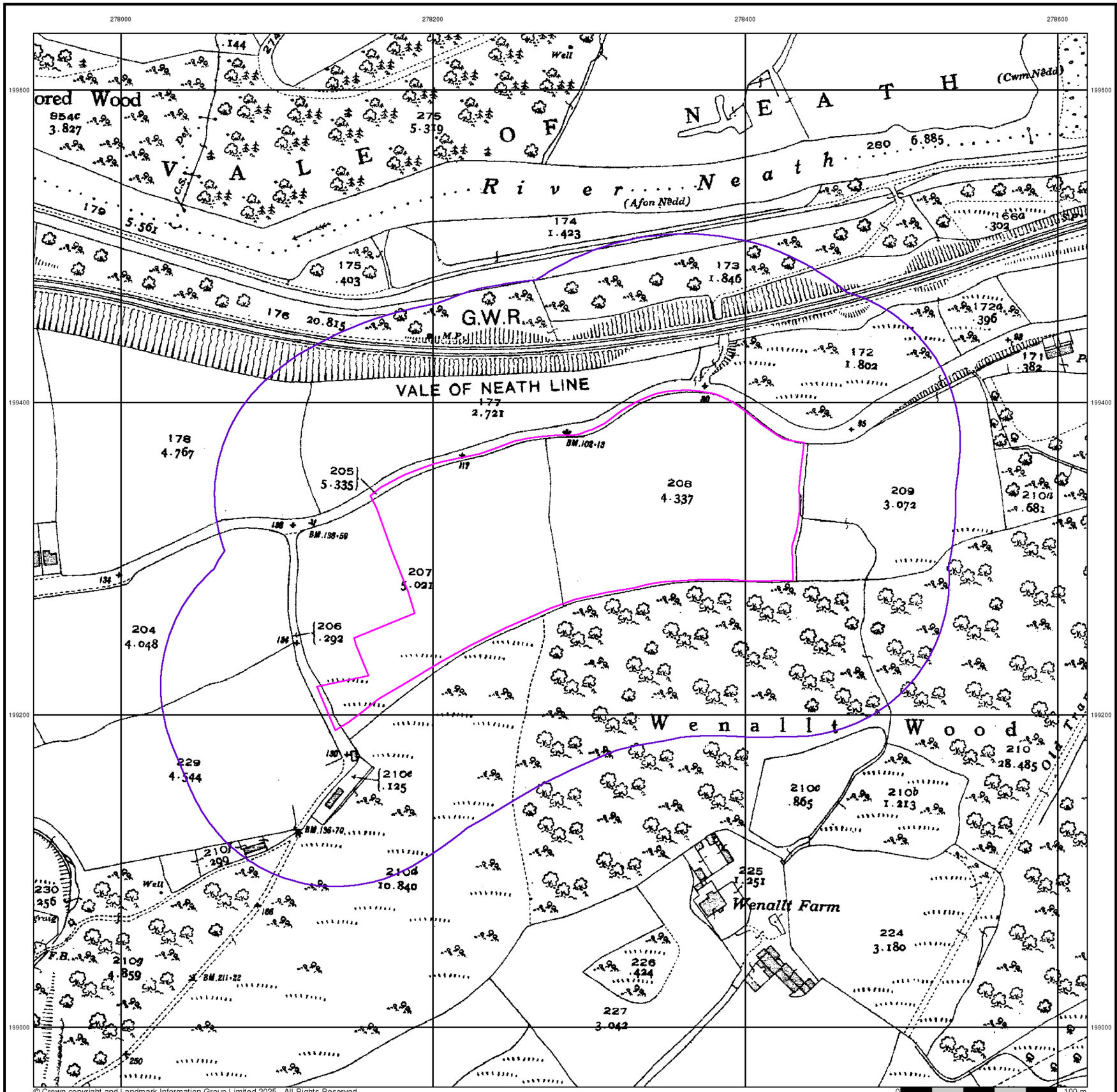
Order Details

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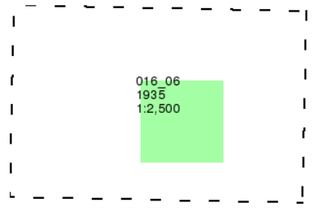
Glamorganshire

Published 1935

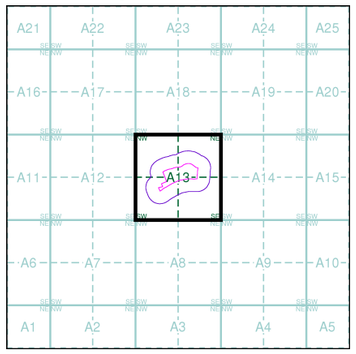
Source map scale - 1:2,500

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



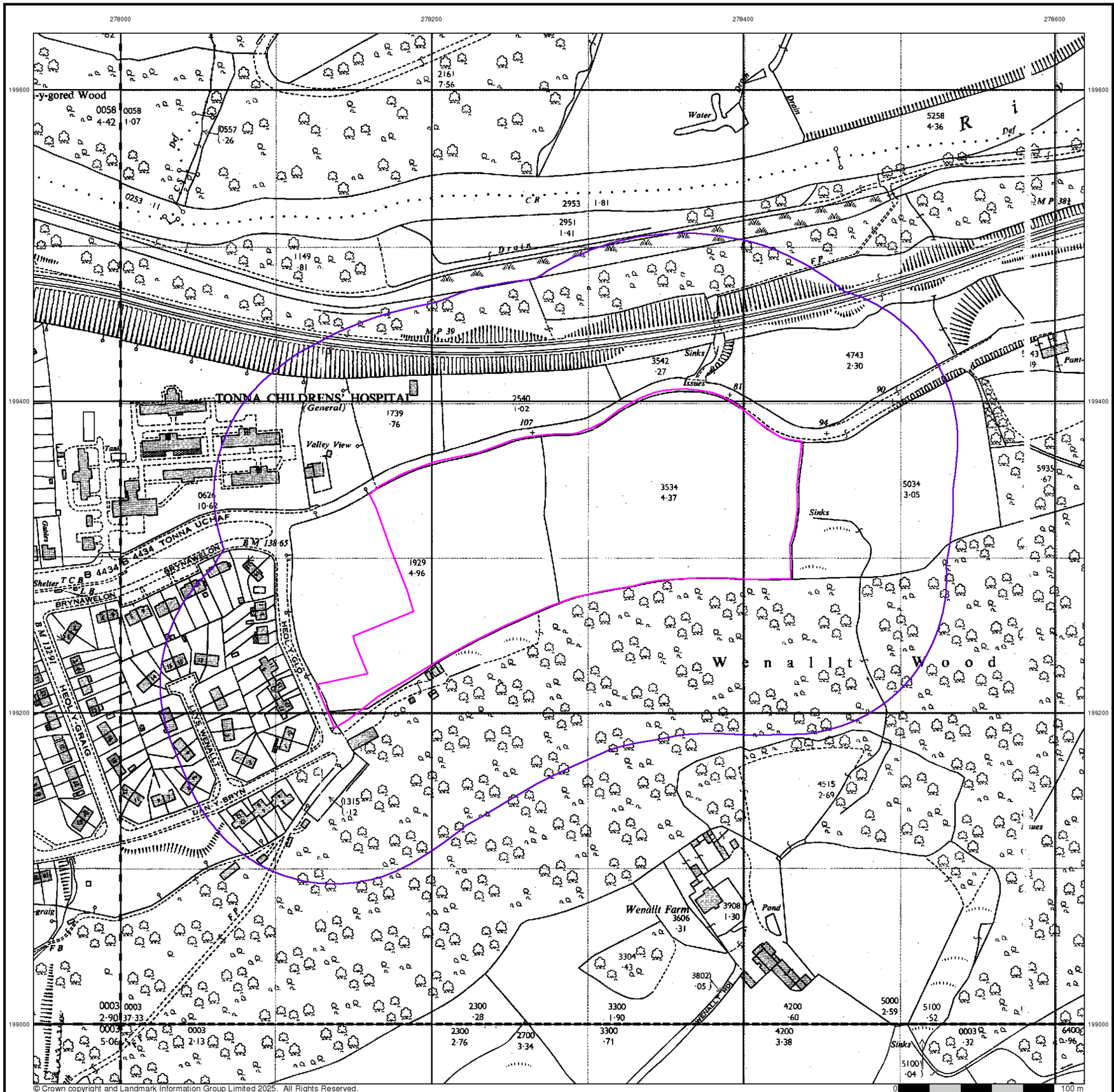
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National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	100

Site Details

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Intégral Géotechnique

Ordnance Survey Plan

Published 1964

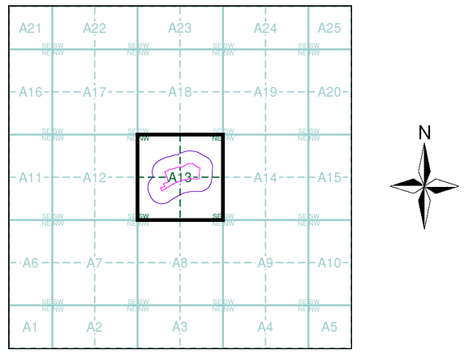
Source map scale - 1:2,500

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)

SS7799 1964 1:2,500	SS7899 1964 1:2,500
SS7798 1964 1:2,500	SS7898 1964 1:2,500

Historical Map - Segment A13



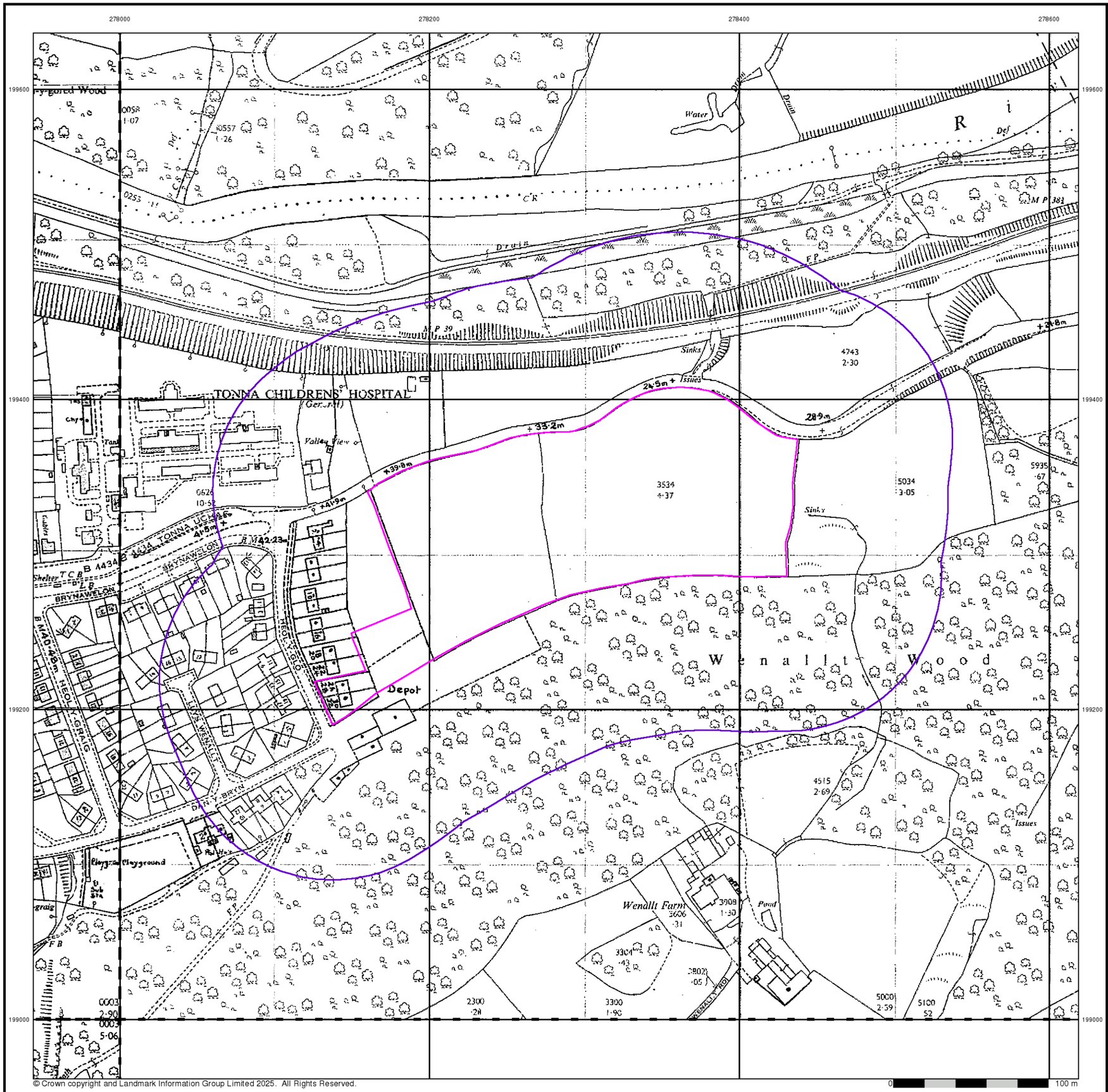
Order Details

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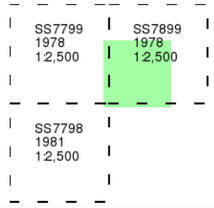
Additional SIMs

Published 1978 - 1981

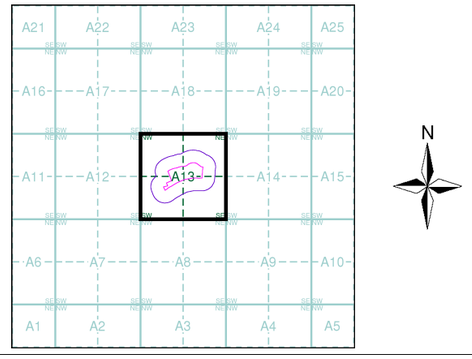
Source map scale - 1:2,500

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:	380126677_1_1
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National Grid Reference:	278280, 199300
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0 100 m

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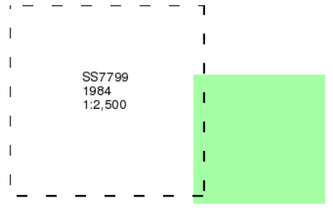
Ordnance Survey Plan

Published 1984

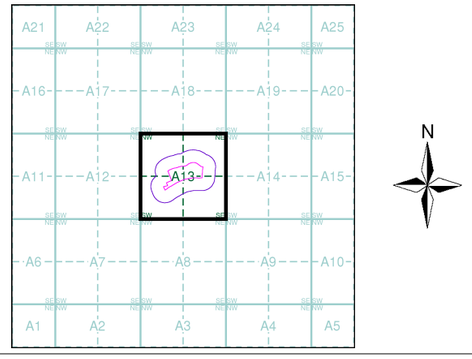
Source map scale - 1:2,500

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



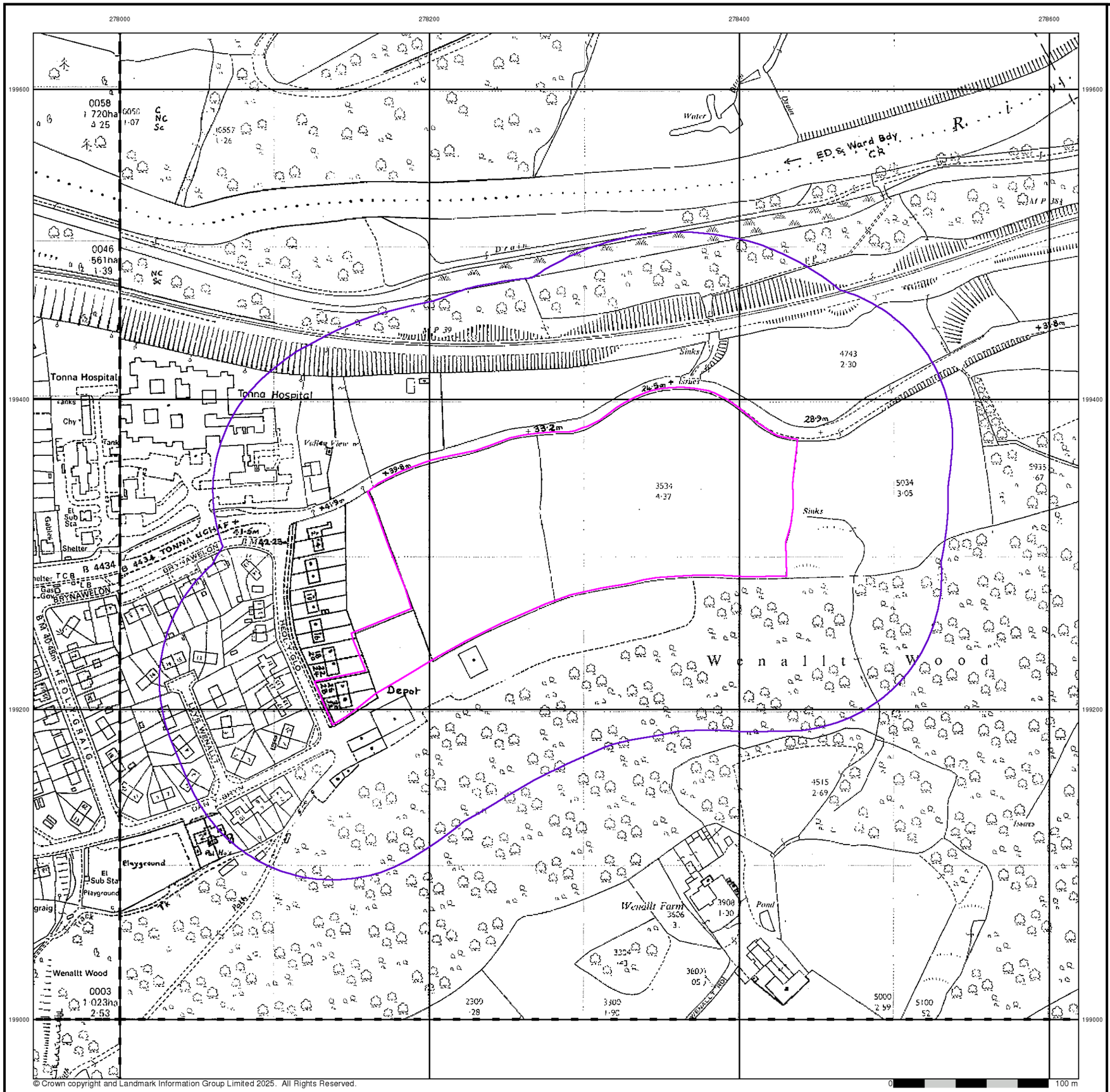
Order Details

Order Number:	380126677_1_1
Customer Ref:	14277/LP
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Slice:	A
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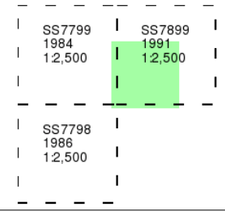
Additional SIMs

Published 1984 - 1991

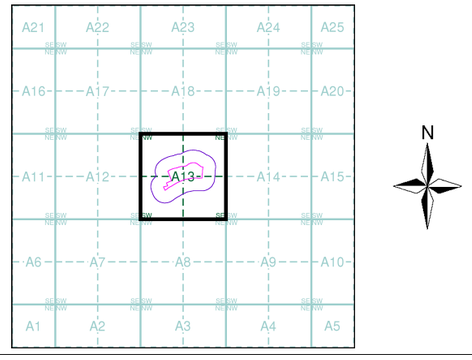
Source map scale - 1:2,500

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



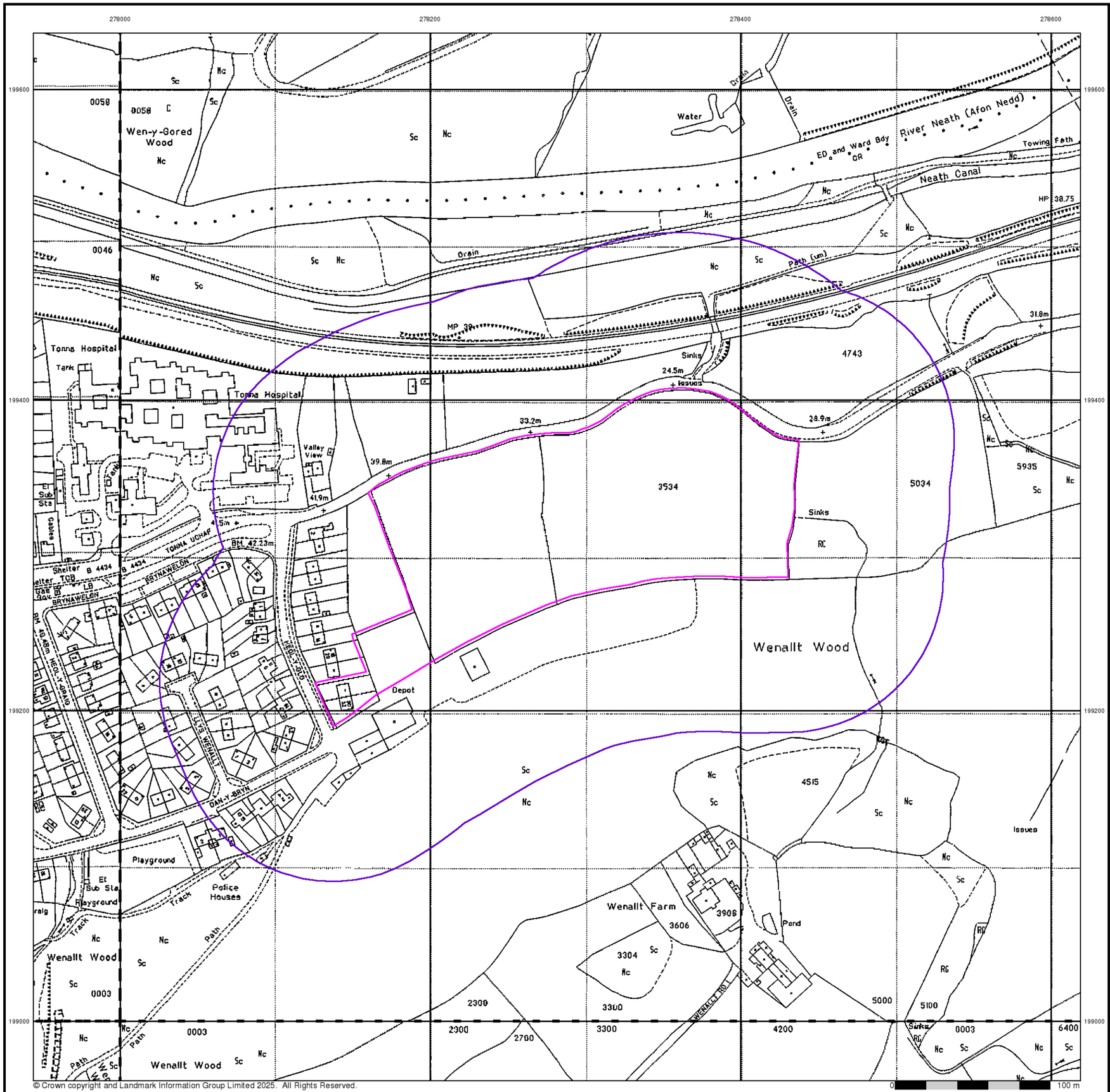
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Slice:	A
Site Area (Ha):	3.16
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Site Details

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0 100 m

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Large-Scale National Grid Data

Published 1993

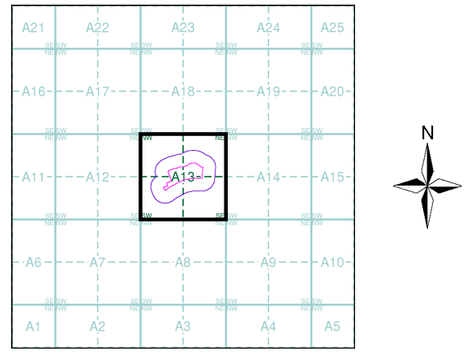
Source map scale - 1:2,500

'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)

SS7799 1993 1:2,500	SS7899 1993 1:2,500
SS7798 1993 1:2,500	SS7898 1993 1:2,500

Historical Map - Segment A13



Order Details

Order Number:	380126677_1_1
Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	100

Site Details

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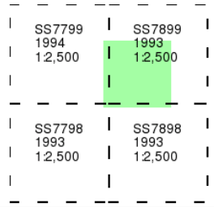
Large-Scale National Grid Data

Published 1993 - 1994

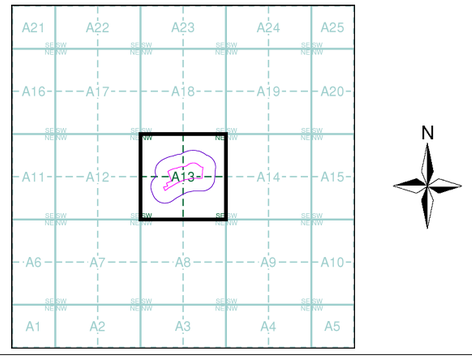
Source map scale - 1:2,500

'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:	380126677_1_1
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Site Area (Ha):	3.16
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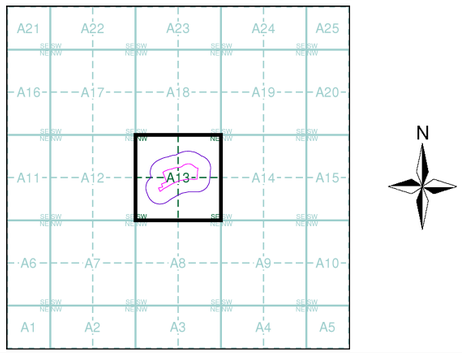
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Historical Aerial Photography

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:	380126677_1_1
Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
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Search Buffer (m):	100

Site Details

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
380126677_1_1

Customer Reference:
14277/LP

National Grid Reference:
278280, 199300

Slice:
A

Site Area (Ha):
3.16

Search Buffer (m):
1000

Site Details:

Heol y Glo
Tonna
SA11 3NJ

Client Details:

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

Intégral Géotechnique

Contents

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)	9
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)	11
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)	14
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.	
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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.	
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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

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Summary

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Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1			5	18
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				n/a	n/a
Potential Mining Areas	pg 5		14	4	10
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 9		2	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 9		3	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 9		3	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)	pg 9		3	n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 10		4	n/a	n/a
Subterranean Features (100m)				n/a	n/a
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Mining & quarrying general	pg 12				2
Mining of coal & lignite	pg 12			3	7
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 12			2	9
Potentially Infilled Land (Water)	pg 13		2	3	4
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 14	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

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Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Wenallt Wood Location: Aberdulais, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154294 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SW (E)	252	1	278682 199280
2	**BGS Recorded Mineral Sites** Site Name: Penlan-Fach Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154301 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	A8NW (S)	324	1	278108 198868
3	**BGS Recorded Mineral Sites** Site Name: Wenallt Colliery Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154279 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (S)	403	1	278141 198788
4	**BGS Recorded Mineral Sites** Site Name: Wenallt Colliery Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154278 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NE (S)	413	1	278305 198813
5	**BGS Recorded Mineral Sites** Site Name: Bryn-Chwyth Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154281 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	A8NE (SE)	463	1	278476 198826
6	**BGS Recorded Mineral Sites** Site Name: Craig-Y-Tonna Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154299 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	A7NE (SW)	508	1	277709 198918

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**BGS Recorded Mineral Sites** Site Name: Wenallt Wood Location: Aberdulais, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154295 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	528	1	278874 199001
8	**BGS Recorded Mineral Sites** Site Name: Wenallt Colliery Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154280 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (S)	534	1	278203 198661
9	**BGS Recorded Mineral Sites** Site Name: Craig-Y-Tonna Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154298 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	A7NE (SW)	561	1	277630 198952
10	**BGS Recorded Mineral Sites** Site Name: Craig-Y-Tonna Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154300 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	A7NE (SW)	580	1	277871 198676
11	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154400 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	641	1	278253 198560
12	**BGS Recorded Mineral Sites** Site Name: Cefn-Yr-Alt Location: Aberdulais, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154302 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	A17SE (NW)	669	1	277734 199856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154392 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)	690	1	277756 198616
14	**BGS Recorded Mineral Sites** Site Name: Cae'R-Graig Location: Aberdulais, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154293 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	768	1	278661 200120
15	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154435 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	790	1	277642 198575
16	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154395 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	804	1	278692 198526
17	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154436 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	A7NW (SW)	814	1	277532 198646
18	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154434 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	822	1	277706 198491

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154450 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	845	1	278662 198474
20	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154396 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	876	1	278591 198426
21	**BGS Recorded Mineral Sites** Site Name: Cydgoed Quarry Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 14832 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	A7SW (SW)	930	1	277515 198500
22	**BGS Recorded Mineral Sites** Site Name: Castell-Fforch-Nant Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154397 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SE (S)	933	1	278530 198344
23	**BGS Recorded Mineral Sites** Site Name: Cyngoed Location: Tonna, Neath, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 154391 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	A7SW (SW)	934	1	277424 198588
	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.	A13SW (N)	0	2	278279 199299
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (N)	0	3	278279 199299
	Non Coal Mining Areas of Great Britain No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Potential Mining Areas** Name: Pantycoed; probably known also as Tan-y-Graig Ceased Operation: 1907 Commodity: Coal; Graig-isaf Reference: 5158 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SE (E)	52	4	278487 199294
25	**Potential Mining Areas** Name: Pantycoed Ceased Operation: 1907 Commodity: Coal; Graig-Isaf Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: John Jenkins, Church Place, Neath.	A13SE (E)	52	4	278487 199294
26	**Potential Mining Areas** Name: Aberdylais Ceased Operation: 1891 Commodity: Coal; Five Feet; Six Feet Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: H. Lynch Blosse, Worcester Chambers, Swansea.	A13NW (NW)	125	4	278088 199442
27	**Potential Mining Areas** Name: Aberdylais Ceased Operation: 1877 Commodity: Coal; Resolven Rider Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: (i) Forster Brown and Rees, Guildhall Chambers, Cardiff. (ii) S. Cym Jones and Arnold, Great Western Chambers, Neath.	A13NW (NW)	125	4	278088 199442
28	**Potential Mining Areas** Name: Aberdylais Ceased Operation: 1891 Commodity: Coal and Fireclay; Werngorad Reference: 2974 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (NW)	125	4	278088 199442
29	**Potential Mining Areas** Name: Aberdylais Ceased Operation: Not Supplied Commodity: Coal; Graig or Cwm-Derwyn Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: T.H.E. Morgan, Mineral Offices, Resolven, Neath.	A13NW (NW)	125	4	278088 199442
30	**Potential Mining Areas** Name: Aberdylais Ceased Operation: 1877 Commodity: Coal; Resolven Rider Reference: 10970 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (NW)	125	4	278088 199442
31	**Potential Mining Areas** Name: Bryngwyn Ceased Operation: 1921 Commodity: Coal; Wenallt Rider; Wenallt Reference: 8323 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (S)	152	4	278274 199036
32	**Potential Mining Areas** Name: Wenallt Ceased Operation: 1895 Commodity: Coal; Wenallt Reference: 3349 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (S)	152	4	278274 199036

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**Potential Mining Areas** Name: Wenallt Ceased Operation: Not Supplied Commodity: Coal; Wenallt; Glyngwilym Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Graigola Merthyr Colliery Co. Ltd., Cambrian Place, Swansea.	A13SW (S)	152	4	278274 199036
34	**Potential Mining Areas** Name: Wenallt (Lletty Mawr) Ceased Operation: 1884 Commodity: Coal; Wenallt or Hughes Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: E. Evans Bevan, High Street, Neath.	A13SW (S)	152	4	278274 199036
35	**Potential Mining Areas** Name: Wenallt Glyngwilym Ceased Operation: 1923 Commodity: Coal; Glyngwilym Reference: 8158 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (S)	152	4	278274 199036
36	**Potential Mining Areas** Name: Wenallt Ceased Operation: 1873 Commodity: Coal; Wenallt Reference: 10974 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (S)	152	4	278274 199036
37	**Potential Mining Areas** Name: Ynisneath Ceased Operation: 1852 Commodity: Coal; Wenallt Reference: 10966 Alternate Name/Mine: Kidcoed (Cydcoed) Alternate Name/Mine: Middle Alternate Name/Mine: New Alternate Name/Mine: Waingradog Custodian: Not Supplied	A13SW (S)	152	4	278274 199036
38	**Potential Mining Areas** Name: Wenallt Ceased Operation: 1927 Commodity: Coal; Wenallt Reference: 8956 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SE (SE)	260	4	278481 199031
39	**Potential Mining Areas** Name: Lletty-Mawr Ceased Operation: 1909 Commodity: Coal; Wenallt Reference: 5518 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SE (SE)	260	4	278481 199031
40	**Potential Mining Areas** Name: Neath Lower Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A18SE (N)	447	4	278498 199836

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	**Potential Mining Areas** Name: Wen-y-Gored Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A12NE (W)	488	4	277685 199451
42	**Potential Mining Areas** Name: Brynchwyth Ceased Operation: 1927 Commodity: Coal; Mountain Reference: 9494 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A14SW (SE)	524	4	278883 199023
43	**Potential Mining Areas** Name: Oaklands and Tonyrhondda Ceased Operation: 1928 Commodity: Coal; Mountain Reference: 9795 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A14SW (SE)	524	4	278883 199023
44	**Potential Mining Areas** Name: Wenallt Merthyr Ceased Operation: 1892 Commodity: Coal; Wenallt Reference: 2705 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A8NW (S)	554	4	278265 198634
45	**Potential Mining Areas** Name: Dan-y-Lan Ceased Operation: Not Supplied Commodity: Coal; Hughes Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Bassett and Walker, Charles Street, Cardiff.	A8NW (S)	557	4	278070 198638
46	**Potential Mining Areas** Name: Castle Old Ceased Operation: 1913 Commodity: Coal; Probably Wenallt Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Branfill and Haines, 9 Picton Place, Swansea.	A8NW (S)	557	4	278070 198638
47	**Potential Mining Areas** Name: Castle Old or Dan-y-Lan Ceased Operation: 1925 Commodity: Coal; Wenallt Reference: 8392 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A8NW (S)	557	4	278070 198638
48	**Potential Mining Areas** Name: Crystol Old Ceased Operation: Not Supplied Commodity: Coal; Hughes Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Bassett and Walker, Charles Street, Cardiff.	A8NW (S)	557	4	278070 198638
49	**Potential Mining Areas** Name: Llantwit Lower Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A8NE (S)	654	4	278472 198629

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	**Potential Mining Areas** Name: Bryngrugos Ceased Operation: 1925 Commodity: Coal; Mountain Reference: 8208 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A8NE (S)	654	4	278472 198629
51	**Potential Mining Areas** Name: Llantwit Upper Ceased Operation: 1907 Commodity: Coal; Mountain Reference: 5137 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A8NE (S)	654	4	278472 198629

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	**Extractive Industries or Potential Excavations from 1855-1909** Use: Railway Embankment First Map Published Date: 1880 Last Map Published Date: Not Applicable	A13NE (NE)	46	3	278402 199446
53	**Extractive Industries or Potential Excavations from 1855-1909** Use: Neath Canal First Map Published Date: 1878 Last Map Published Date: 1881	A13NW (N)	89	3	278247 199478
54	**Extractive Industries or Potential Excavations from 1893-1915** Use: Railway Embankment First Map Published Date: 1899 Last Map Published Date: Not Applicable	A13NE (NE)	36	3	278387 199441
55	**Extractive Industries or Potential Excavations from 1893-1915** Use: Railway Cutting First Map Published Date: 1899 Last Map Published Date: Not Applicable	A13NW (N)	42	3	278271 199421
56	**Extractive Industries or Potential Excavations from 1893-1915** Use: Neath Canal First Map Published Date: 1899 Last Map Published Date: 1899	A13NW (N)	88	3	278249 199478
57	**Extractive Industries or Potential Excavations from 1906-1937** Use: Railway Cutting First Map Published Date: 1919 Last Map Published Date: Not Applicable	A13NW (N)	41	3	278274 199419
58	**Extractive Industries or Potential Excavations from 1906-1937** Use: Railway Embankment First Map Published Date: 1919 Last Map Published Date: Not Applicable	A13NE (NE)	55	3	278415 199450
59	**Extractive Industries or Potential Excavations from 1906-1937** Use: Neath Canal First Map Published Date: 1918 Last Map Published Date: 1919	A13NW (N)	87	3	278246 199475
60	**Extractive Industries or Potential Excavations from 1924-1949** Use: Railway Cutting First Map Published Date: 1935 Last Map Published Date: Not Applicable	A13NW (N)	41	3	278275 199420
61	**Extractive Industries or Potential Excavations from 1924-1949** Use: Railway Embankment First Map Published Date: 1935 Last Map Published Date: Not Applicable	A13NE (NE)	56	3	278418 199449
62	**Extractive Industries or Potential Excavations from 1924-1949** Use: Neath Canal First Map Published Date: 1935 Last Map Published Date: Not Applicable	A13NW (N)	86	3	278247 199475

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Cutting First Map Published Date: 1964 Last Map Published Date: N/A	A13NW (N)	41	3	278275 199420
64	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1964 Last Map Published Date: N/A	A13NE (NE)	54	3	278416 199449
65	**Extractive Industries or Potential Excavations from 1950-1980** Use: Neath Canal First Map Published Date: 1964 Last Map Published Date: Not Applicable	A13NW (N)	87	3	278248 199476
66	**Extractive Industries or Potential Excavations from 1950-1980** Use: Unspecified Deposited Material First Map Published Date: 1964 Last Map Published Date: N/A	A13SW (SW)	93	3	278067 199130

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	**Air Shafts** Use: Not Supplied Date of Mapping: 1921 - 1964	A7SE (SW)	795	3	277712 198519
68	**General Quarrying** Use: Not Supplied Date of Mapping: 1921	A8NW (S)	325	3	278107 198867
69	**General Quarrying** Use: Not Supplied Date of Mapping: 1900 - 1964	A8NE (S)	415	3	278402 198869
70	**General Quarrying** Use: Not Supplied Date of Mapping: 1921	A7NE (SW)	502	3	277713 198922
70	**General Quarrying** Use: Not Supplied Date of Mapping: 1921 - 1964	A7NE (SW)	520	3	277677 198948
71	**General Quarrying** Use: Not Supplied Date of Mapping: 1884 - 1921	A7NE (SW)	560	3	277635 198945
72	**General Quarrying** Use: Not Supplied Date of Mapping: 1921	A7NE (SW)	571	3	277877 198683
73	**General Quarrying** Use: Not Supplied Date of Mapping: 1921 - 1964	A7NW (SW)	609	3	277584 198937
74	**General Quarrying** Use: Not Supplied Date of Mapping: 1935 - 1964	A17SE (NW)	642	3	277746 199831
75	**General Quarrying** Use: Not Supplied Date of Mapping: 1900 - 1921	A7NE (SW)	645	3	277764 198665
76	**General Quarrying** Use: Not Supplied Date of Mapping: 1884 - 1921	A7SE (SW)	768	3	277652 198595
77	**General Quarrying** Use: Not Supplied Date of Mapping: 1884	A9SW (SE)	804	3	278705 198530
78	**General Quarrying** Use: Not Supplied Date of Mapping: 1884 - 1921	A7NW (SW)	828	3	277515 198645
79	**General Quarrying** Use: Not Supplied Date of Mapping: 1884	A9SW (SE)	846	3	278652 198470
80	**General Quarrying** Use: Not Supplied Date of Mapping: 1900	A8SE (S)	873	3	278597 198430
81	**General Quarrying** Use: Not Supplied Date of Mapping: 1900	A7SW (SW)	933	3	277424 198590
82	**Heap, unknown constituents** Use: Not Supplied Date of Mapping: 1900 - 1921	A12NW (W)	766	3	277391 199441
83	**Heap, unknown constituents** Use: Not Supplied Date of Mapping: 1921	A11SE (W)	945	3	277182 199261
84	**Mineral Railway** Use: Not Supplied Date of Mapping: 1884 - 1900	A13SW (SW)	191	3	277961 199117
85	**Mineral Railway** Use: Not Supplied Date of Mapping: 1900	A13SE (SE)	207	3	278581 199132
86	**Mineral Railway** Use: Not Supplied Date of Mapping: 1921	A14NW (E)	266	3	278701 199338

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**Mineral Railway** Use: Not Supplied Date of Mapping: 1884 - 1964	A12NW (W)	572	3	277586 199406
88	**Mineral Railway** Use: Not Supplied Date of Mapping: 1900	A12NW (W)	733	3	277478 199608
89	**Mining & quarrying general** Use: Not Supplied Date of Mapping: 1884 - 1900	A8SW (S)	639	3	278249 198561
90	**Mining & quarrying general** Use: Not Supplied Date of Mapping: 1935	A14NE (E)	706	3	279123 199542
91	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1921	A14SW (E)	255	3	278685 199284
92	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1884 - 1900	A8NW (SW)	324	3	278074 198873
93	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1900 - 1921	A14SW (SE)	485	3	278846 199038
94	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1884 - 1900	A12NE (NW)	608	3	277616 199610
95	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1884	A19NW (NE)	758	3	278679 200103
96	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1921	A7SE (SW)	790	3	277670 198555
97	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1921	A7SE (SW)	817	3	277696 198503
98	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1935 - 1964	A9SW (SE)	835	3	278655 198482
99	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1884	A15SW (E)	914	3	279344 199243
100	**Mining of coal & lignite** Use: Not Supplied Date of Mapping: 1900	A8SE (S)	932	3	278535 198348
101	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	325	3	278107 198867
102	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	374	3	278251 198826
103	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NE (SW)	502	3	277713 198922
104	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SW (SE)	522	3	278866 199000
105	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NE (SW)	560	3	277635 198945
106	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NW (SW)	609	3	277584 198937
107	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	768	3	277652 198595

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	795	3	277712 198519
109	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	817	3	277696 198503
110	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	873	3	278597 198430
111	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	932	3	278535 198348
112	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	205	3	278485 199582
113	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	210	3	278540 199557
114	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	392	3	278684 199679
115	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	394	3	278711 199657
116	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19SW (NE)	419	3	278691 199707
117	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A19SW (NE)	536	3	278807 199762
118	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12SW (W)	675	3	277455 199148
119	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7NW (SW)	936	3	277374 198648
120	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A9SW (SE)	942	3	278884 198461

Ground Stability Data (1:50,000)

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.				
121	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
122	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	278194 199565
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	64	1	278272 199473
123	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	64	1	278272 199473
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	278194 199565
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
124	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
125	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	22	1	278293 199229
126	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	83	1	278272 199473
127	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	114	1	278199 199477
128	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	165	1	278340 199109
129	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	207	1	278259 199595
130	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	214	1	278010 199492
131	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	227	1	278284 199624
132	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
133	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	64	1	278272 199473
134	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	278194 199565
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	278275 199255

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	64	1	278272 199473
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	278279 199299
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	278194 199565

Historical Map List

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

1:2,500	Mapsheet	Published Date
Glamorganshire	016_06	1880
Glamorganshire	016_06	1899
Glamorganshire	016_06	1919
Glamorganshire	016_06	1935
Ordnance Survey Plan	SS7798	1964
Ordnance Survey Plan	SS7799	1964
Ordnance Survey Plan	SS7898	1964
Ordnance Survey Plan	SS7899	1964

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

1:10,560	Mapsheet	Published Date
Glamorganshire	016_00	1884
Glamorganshire	016_NE	1900
Glamorganshire	016_NW	1900
Glamorganshire	016_SE	1900
Glamorganshire	016_SW	1900
Glamorganshire	016_NE	1921
Glamorganshire	016_NW	1921
Glamorganshire	016_SE	1921
Glamorganshire	016_SW	1921
Glamorganshire	016_NW	1935
Glamorganshire	016_SW	1935
Glamorganshire	016_NE	1951
Glamorganshire	016_SE	1951
Ordnance Survey Plan	SN70SE	1964
Ordnance Survey Plan	SS79NE	1964
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	SN70SE	1989
Ordnance Survey Plan	SS79NE	1992

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	
Man Made Mining Cavities Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2023	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	July 2023	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	

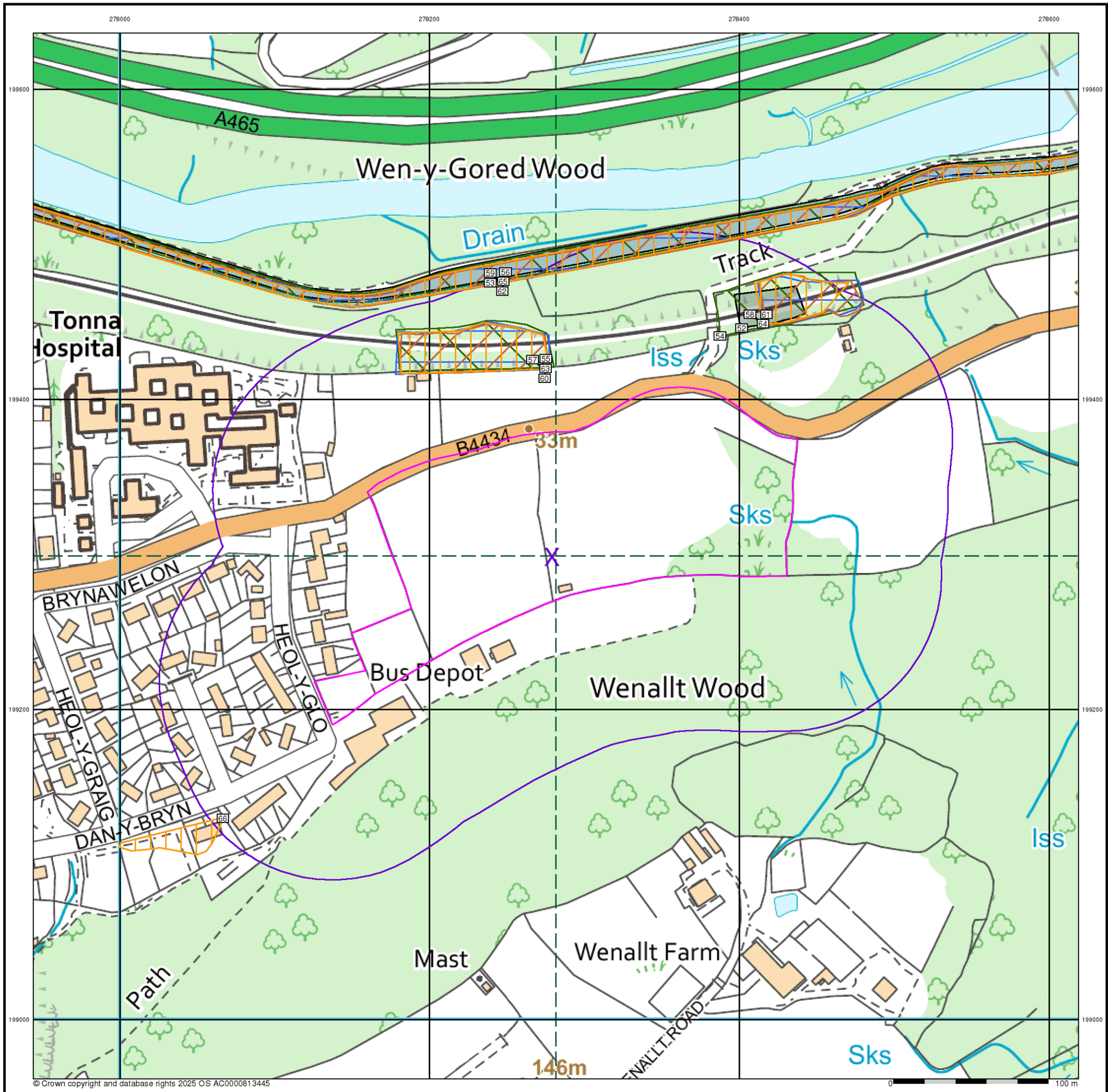
Data Suppliers

A selection of organisations who provide data within this report

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

Useful Contacts

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	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6619 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
4	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6627 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmark.co.uk
-	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.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

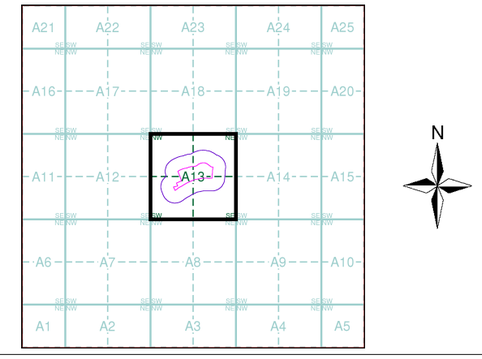
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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



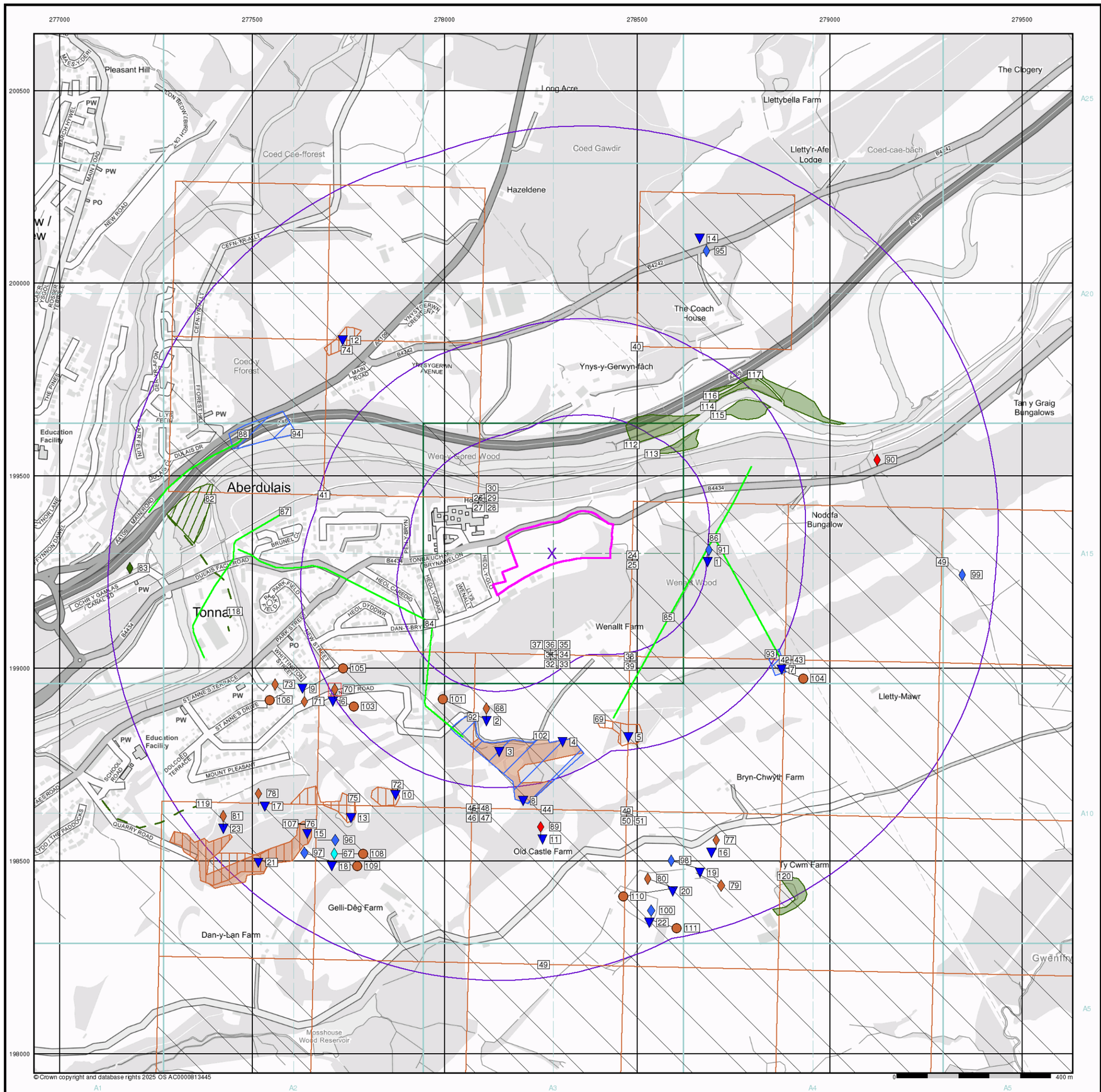
Order Details

Order Number:	380126677_1_1
Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Plot Buffer (m):	100

Site Details

Heol y Glo, Tonna, SA11 3NJ

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



Intégral Géotechnique

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

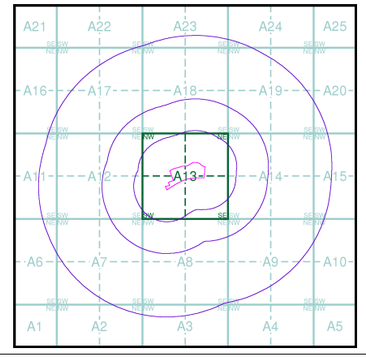
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

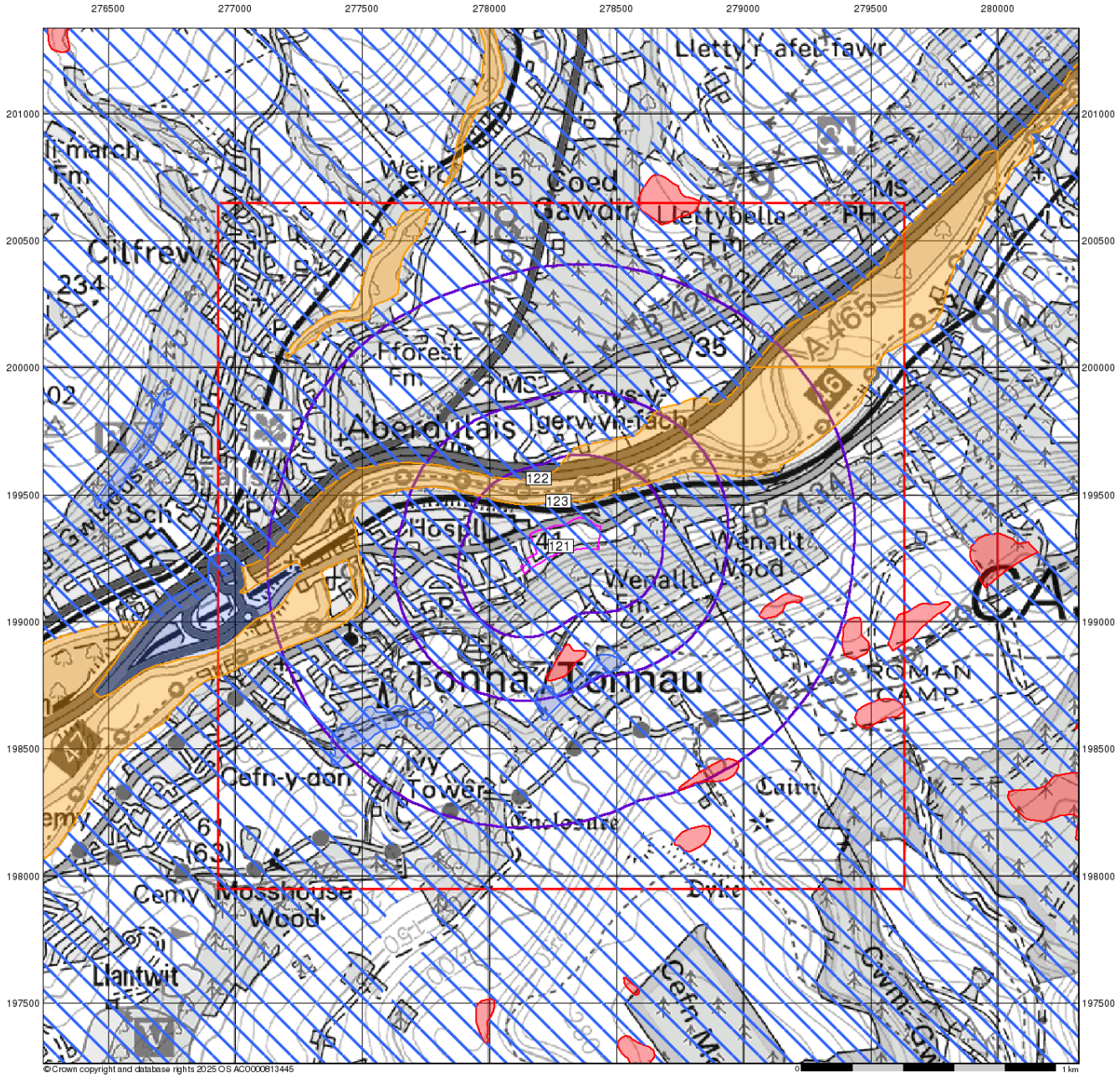
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Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

Heol y Glo, Tonna, SA11 3NJ

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



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 | Low | Moderate | Very Low

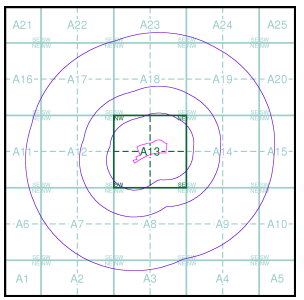
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice A



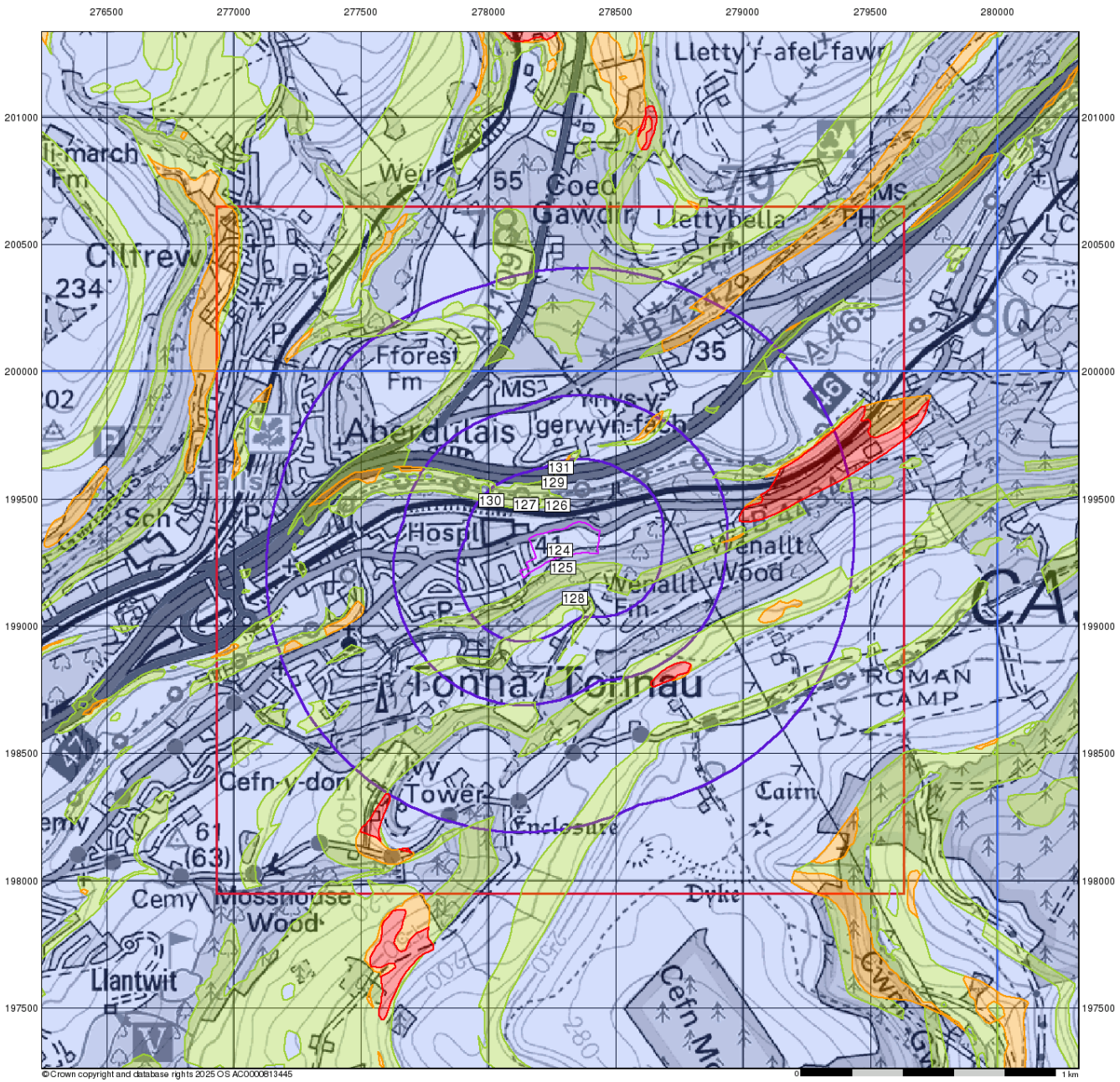
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National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

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Géotechnique

Ground Stability Data (1:50,000)

General

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

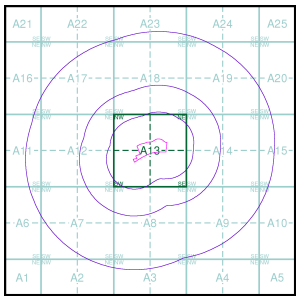
Potential for Landslide Ground Stability Hazards

High | Low
Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low
Moderate | Very Low

Mining and Ground Stability - Slice A



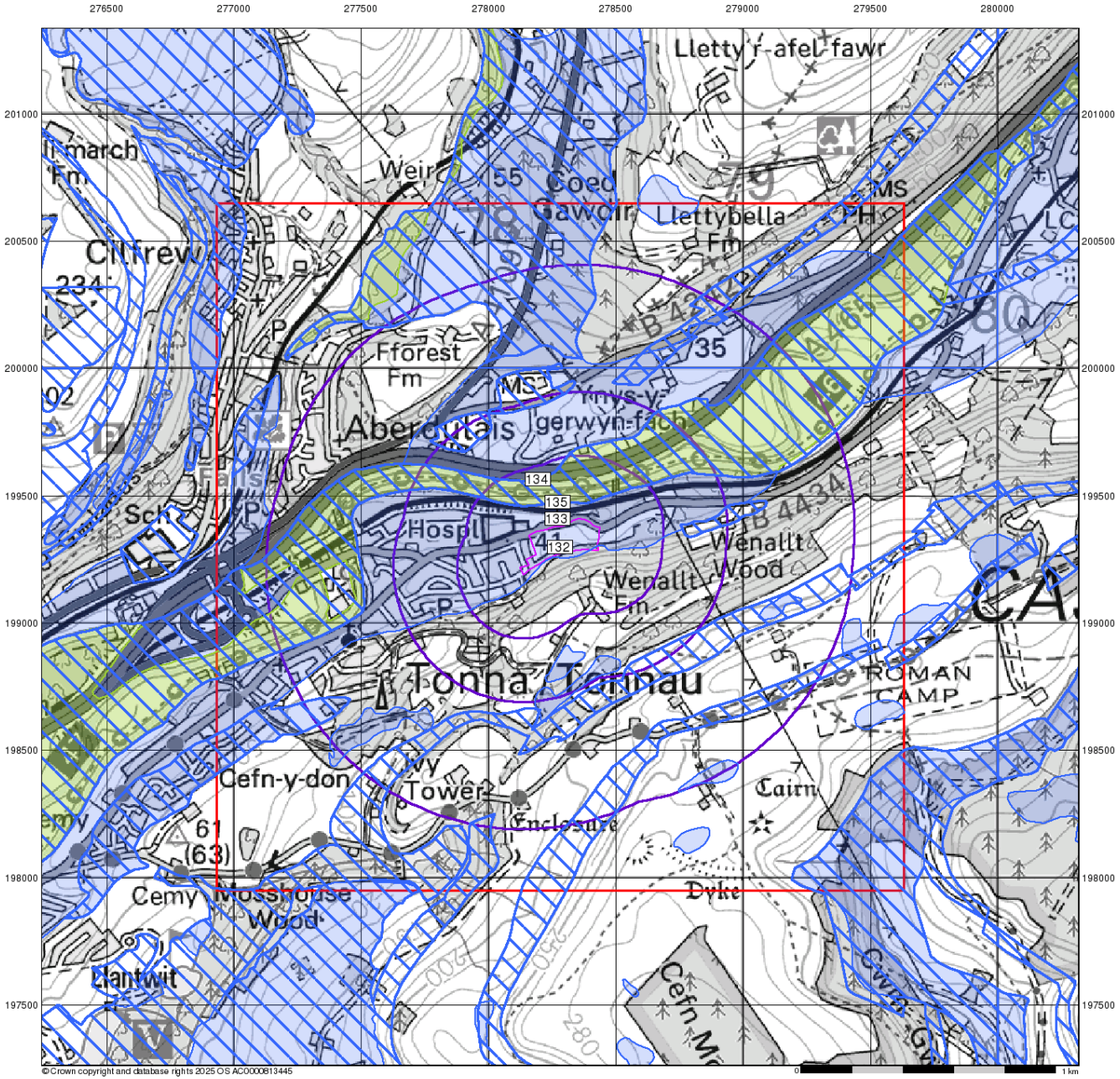
Order Details

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Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

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Géotechnique

Ground Stability Data (1:50,000)

General

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

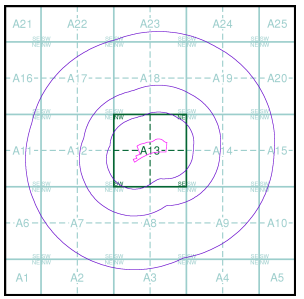
Potential for Running Sand Ground Stability Hazards

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



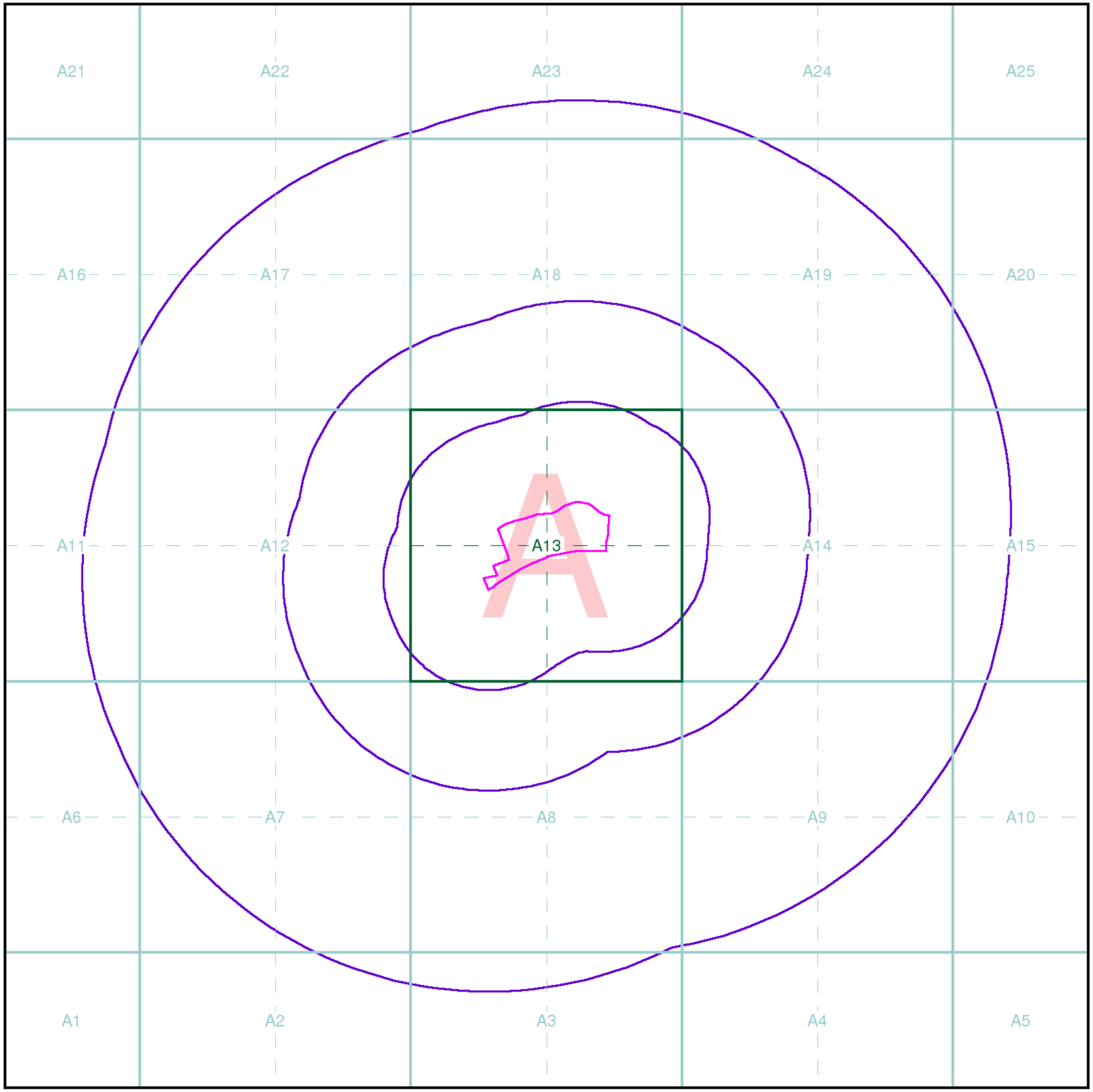
Order Details

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Customer Ref:	14277/LP
National Grid Reference:	278280, 199300
Slice:	A
Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

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Fax: 0844 844 9951
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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:

Map data

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Cyfoeth Naturiol Cymru
Natural Resources Wales

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:	380126677_1_1
Customer Ref:	14277/LP
National Grid Reference:	278290, 199320
Site Area (Ha):	3.16
Search Buffer (m):	1000

Site Details

Heol y Glo, Tonna, SA11 3NJ

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

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APPENDIX B

BGS RADON GEOREPORT

GeoReports

British Geological Survey

Laura Pullin
Integral Geotechnique (Wales) Ltd
Integral Geotecnique
Integral House
7 Beddau Way
Caerphilly
CF83 2AX

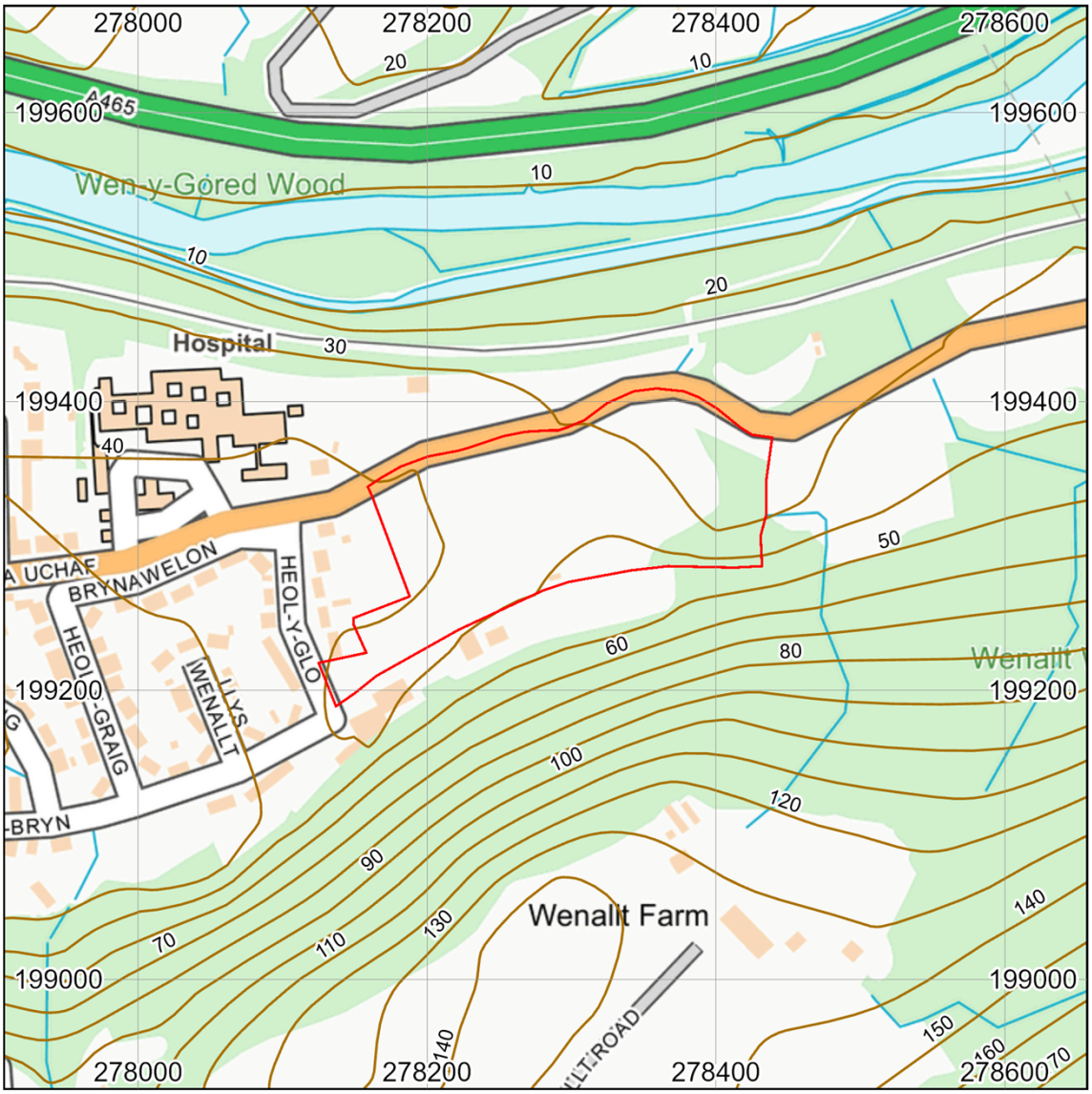
Radon Report

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_343409/61267***

Client reference: 14277 Heol Y Glo, Tonna

Search location



Contains OS data © Crown Copyright and database right 2025. 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 278282, 199299. 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.

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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 (2023 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 (2023 edition) Radon: Guidance on protective measures for new buildings?

NO RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

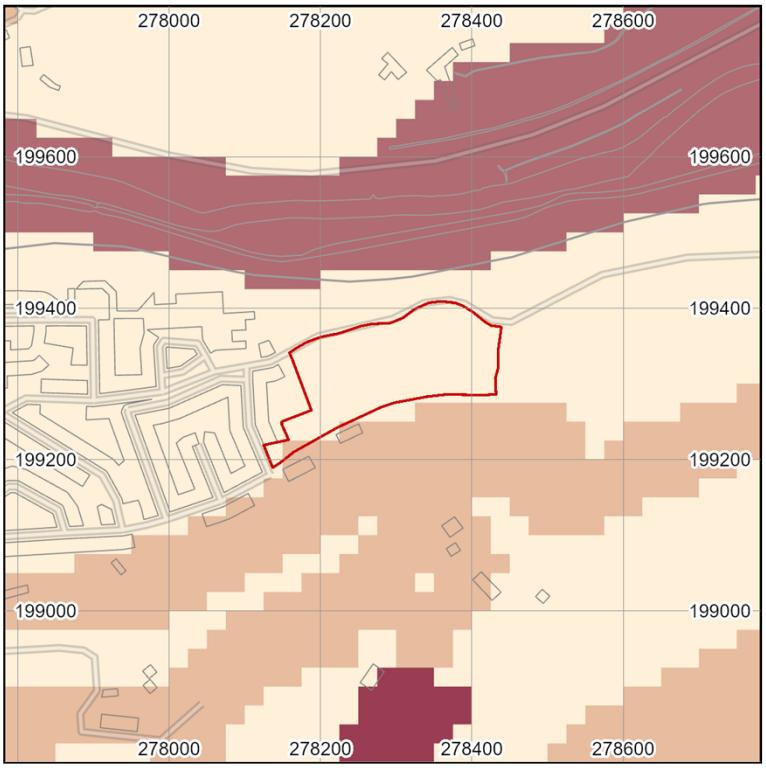
More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2023 Edition)*.

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.

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Radon Affected Area



	% Homes estimated to be at or above the action level
	0-1%
	1-3%
	3-5%
	5-10%
	10-30%
	30-100%

Contains OS data © Crown Copyright and database right 2025
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 at or above the Action Level? **YES**

Additional Information

THE PROPERTY IS IN A RADON AFFECTED AREAS WHERE 1 TO 3% 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 be at or above 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 high radon level within the property; the only way to determine the radon level is to carry out a radon measurement.

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The UKHSA advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels at or 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 at or 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.

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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 is at or above the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations 2017 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

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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

CONSULTANTS COAL MINING REPORT FROM THE MINING REMEDIATION AUTHORITY

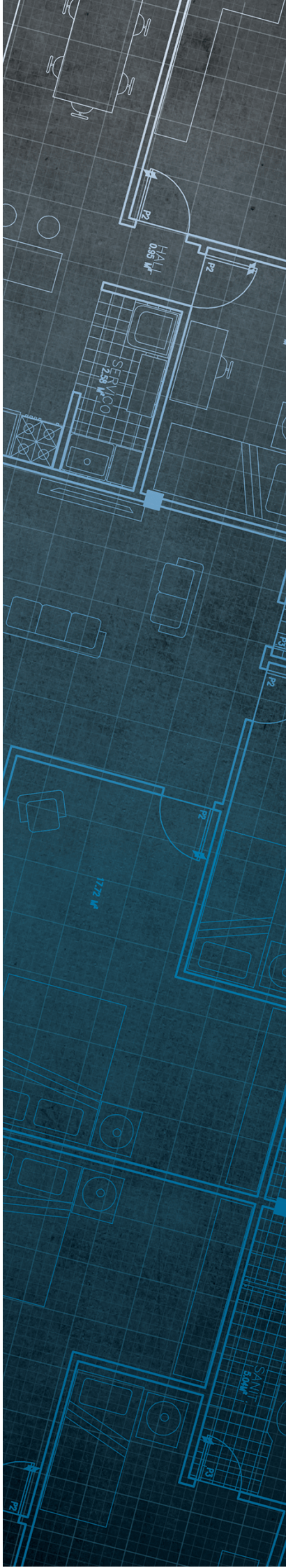
The Coal Authority

Consultants

Coal Mining Report

Heol Y Glo
Tonna
Neath Port Talbot
SA11 3NJ

Date of enquiry:	**27 June 2025**
Date enquiry received:	**27 June 2025**
Issue date:	**27 June 2025**
Our reference:	**51003508390001**
Your reference:	**14277/LP/A**



Consultants

Coal Mining Report

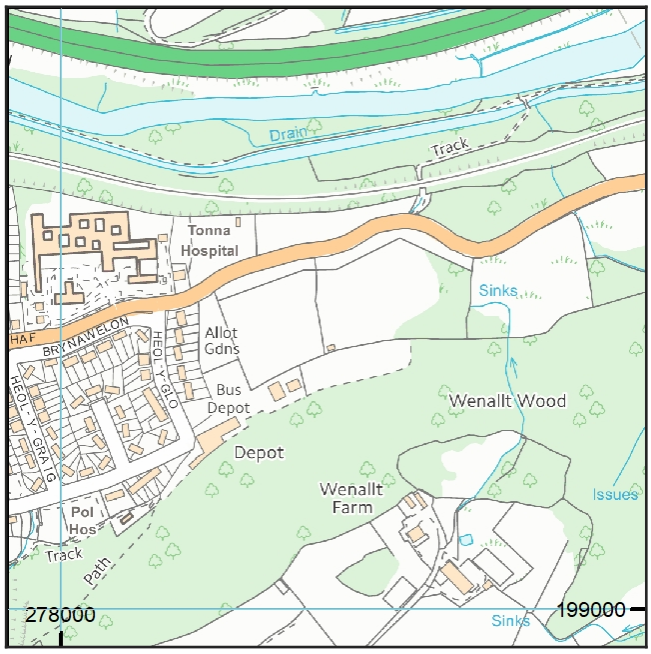
This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

INTEGRAL GEOTECHNIQUE (WALES) LTD.

Enquiry address

Heol Y Glo
Tonna
Neath Port Talbot
SA11 3NJ



Approximate position of property

Map data

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NG18 4RG

www.groundstability.com

@coalauthority
/company/the-coal-authority
/thecoalauthority
/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining
No past mining recorded.

Probable unrecorded shallow workings
None.

Spine roadways at shallow depth
No spine roadway recorded at shallow depth.

Mine entries
None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers
None available.

Outcrops
No outcrops recorded.

Geological faults, fissures and breaklines
No faults, fissures or breaklines recorded.

Opencast mines
None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips
None recorded within 500 metres of the enquiry boundary.

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Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations
None recorded within 50 metres of the enquiry boundary.

Remediated sites
None recorded within 50 metres of the enquiry boundary.

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.

Mine gas
None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes
None recorded within 500 metres of the enquiry boundary.

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Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

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

Withdrawal of support notices
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.

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.

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Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

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.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. 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. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

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Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk.**

Past underground coal mining
Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings
Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth
Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries
Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers
Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops
Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines
Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

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Opencast mines
Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips
Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations
Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites
Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence
Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas
Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

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Mine water treatment schemes
Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining
Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing
Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders
Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices
Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices
Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

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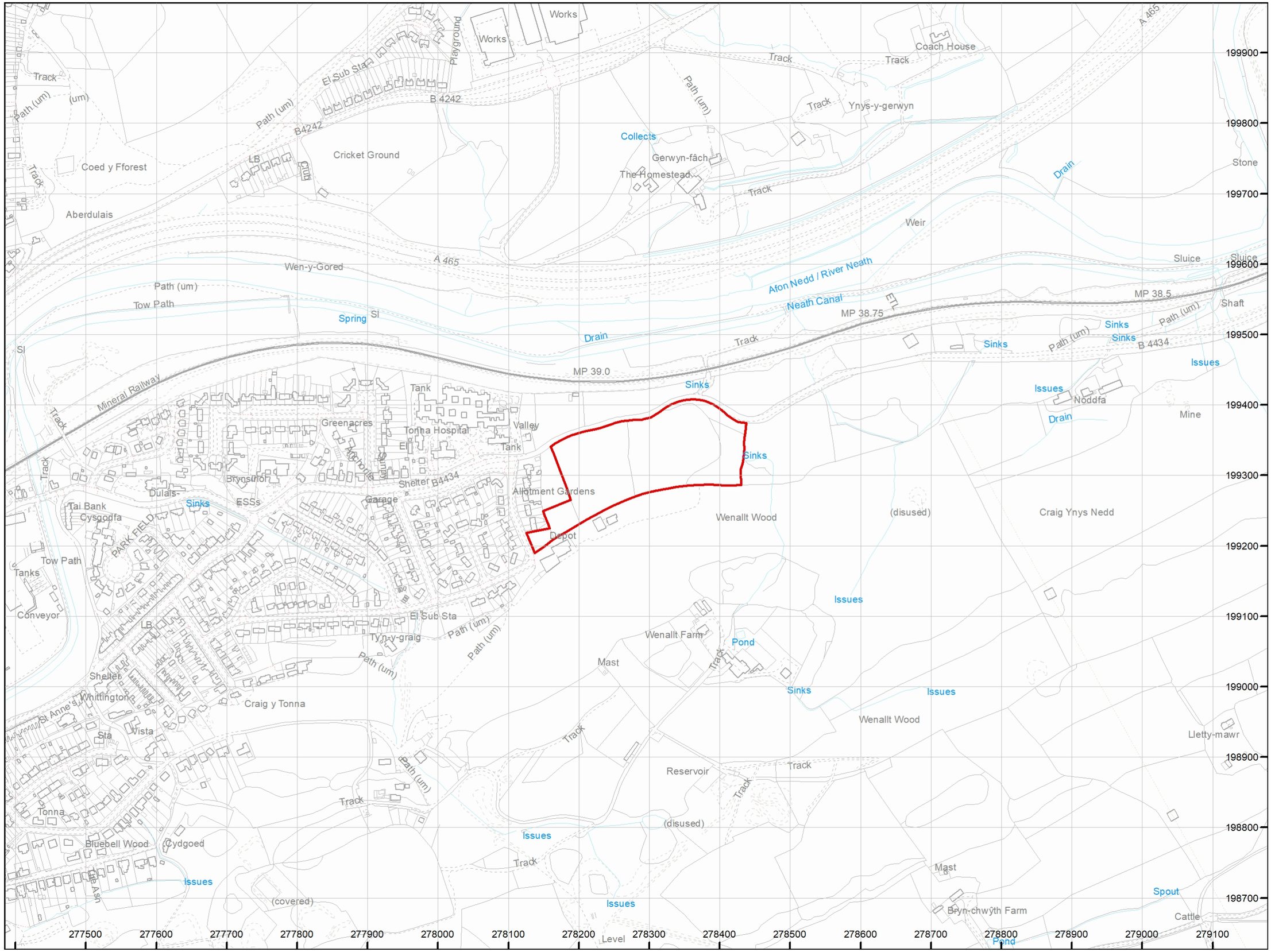
Summary of findings

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The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown



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www.groundstability.com

FIGURES

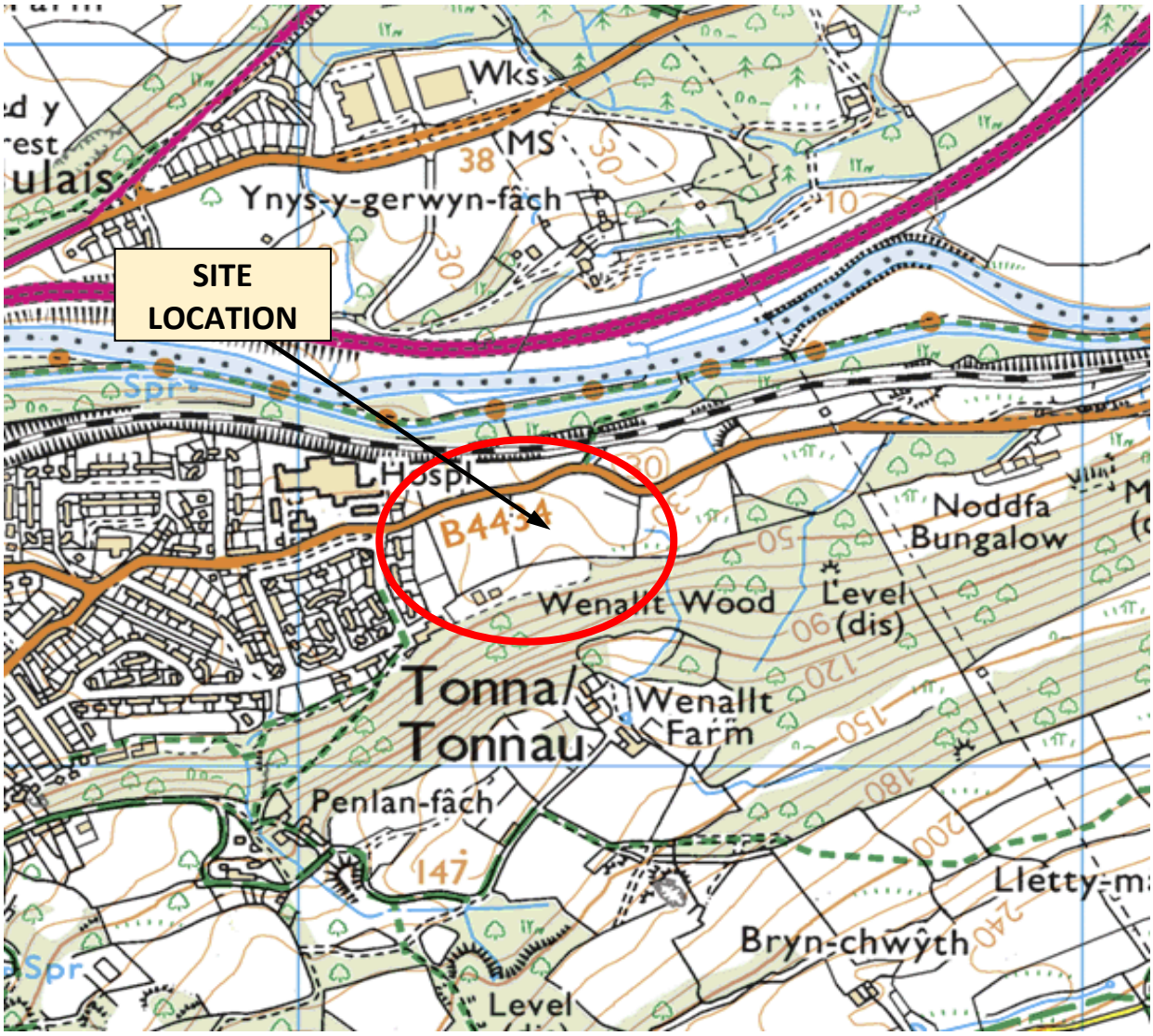


FIGURE 1: SITE LOCATION

Heol-y-Glo, Tonna

Intégral
Géotechnique

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



FIGURE 2: PROPOSED DEVELOPMENT

Heol-y-Glo, Tonna

Intégral Géotechnique

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

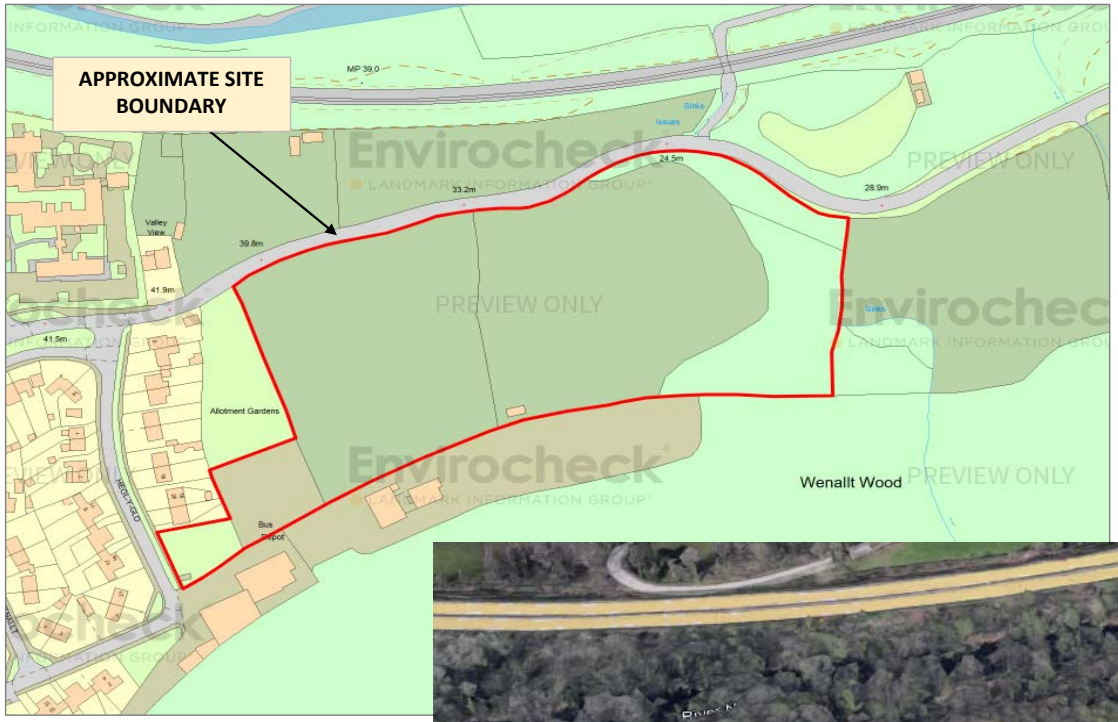




FIGURE 3: SITE PLAN

Heol-y-Glo, Tonna

Intégral Géotechnique

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