



**Environmental  
Management  
Services**

**CLIENT:** James Banks, Alpha Planning

**SITE ADDRESS:** Rhiwfawr Road  
Lower Cwmtwrch  
Neath Port Talbot  
SA9 2QZ

**REPORT TITLE:** Phase I Investigation

**STRICTLY CONFIDENTIAL**

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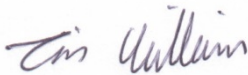
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## REPORTING DETAILS AND QUALITY ASSURANCE

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| Client Name:      | Alpha Planning                                                                       |
| Client Contact:   | Mr James Banks                                                                       |
| Report Title:     | Phase I Investigation                                                                |
| Reference Number: | GPT/AlphaPlanning                                                                    |
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| Date:             | 09/01/2020                                                                           |

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# List of Abbreviations

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|      |                                         |
|------|-----------------------------------------|
| GPT  | Geo Pollution Technologies (UK) Limited |
| AOD  | Above Ordnance Datum                    |
| BGS  | British Geological Survey               |
| ESA  | Environmental Site Assessment           |
| PAOC | Potential Area of Concern               |
| NRW  | Natural Resources Wales                 |
| CoC  | Chemicals of Concern                    |
| CSM  | Conceptual Site Model                   |
| ha   | Hectares                                |
| RA   | Risk Assessment                         |
| SPZ  | Source Protection Zone                  |
| LEX  | Lexicon Code                            |
| AMD  | Acid Mine Drainage                      |
| SS   | Suspended Solids                        |
| OS   | Ordnance Survey                         |

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Introduction</b>                                | Geo Pollution Technologies Ltd (GPT) were commissioned by James Banks to carry out a Phase I (Preliminary) Site Investigation on a land parcel South of Rhiwfawr Road prior to construction of a private equestrian stables, ménege and storage building with associated access and parking.                                                                                                           |
| <b>Site Details</b>                                | The Site is located South of Rhiwfawr Road, Lower Cwmtwrch, Neath Port Talbot, SA9 2QZ. The site is in open countryside and is currently undeveloped. It includes a mixture of tree coverage and grasslands with relatively flat topography.                                                                                                                                                           |
| <b>Ground Conditions</b>                           | The British Geological Survey (BGS) maps of Great Britain (1:50,000 scale) indicate that the site is surrounded by reworked and made artificial geology. The site itself is situated on superficial geology named Till, Devensian – Diamicton. This is further underlain by Mudstone, Siltstone and Sandstone which make up the South Wales Middle Coal Measures Formation.                            |
| <b>Findings</b>                                    | A Potential Area of Concern (PAOC) is the long history of coal mining activity within close proximity to the site. Whereas the site itself remained undeveloped the areas surrounding it in very close proximity experienced a large amount of mine working activity. This is likely to have had an impact on the site itself potentially from mine water runoff during and after the mines operation. |
| <b>Recommended Scope for Further Investigation</b> | Based on the results of the Phase I investigation, a further investigation in the form of shallow soil sampling throughout the site should be undertaken to assess the PAOC identified.                                                                                                                                                                                                                |

## 2 INTRODUCTION

### 2.1 General

In November 2019, Geo Pollution Technologies (UK) Limited (GPT) was commissioned by Mr James Banks of Alpha Planning and Development to conduct a Phase I (Preliminary) Site Investigation or desktop assessment, on an unused land parcel South of Rhiwfawr Road, Lower Cwmtwrch, Neath Port Talbot, SA9 2QZ.

The report was conducted at the request of Mr James Banks, who is proposing the development of a private equestrian stables, ménege and storage building with associated access and parking.

### 2.2 Objectives

The objective of the Phase I was to assess the presence of Potential Areas of Concern (PAOC). A PAOC is defined as any area on, in or under the site and surrounding area where one or more potential contaminants of concern may be present. These would be identified through the Phase I study and further investigated during a Phase II Intrusive Site Investigation.

### 2.3 Scope of Work

The scope of work was outlined in a proposal sent to Mr Gareth Owens by GPT on the 8th November 2019 and is summarised below:

- Desktop study of the site which consists of collating all available data and information with addition of a site walkover to obtain visual observations and anecdotal information.
- Identify the potential for contamination to be present which might present unacceptable levels of risk based on future land use through identifying possible sources due to current, historical and/or adjacent land uses.
- Identify potential receptors and pathways.
- The sites environmental setting will be characterised to qualitatively determine the risk contaminants may pose to receptors.

- Findings from any previous investigations will be evaluated.
- Consultation with relevant regulatory bodies (Local Council and Environment Agency).
- Consult with relevant persons that may offer anecdotal evidence of the historical use of the site.
- Construct conceptual model of the site detailing environmental setting and source–pathway–receptor combinations.
- Construct a qualitative risk evaluation of the site.
- Reporting.

## 2.4 Data Sources

The following information sources were reviewed during the desk study:

- Envirocheck Report (reference ECA 226985600\_1) dated 02 December 2019.
- British Geological Survey (BGS) maps.
- Ordnance Survey (OS) maps.
- Neath Port Talbot Council's online planning portal.
- Images and documents supplied by Mr James Banks.

## 2.5 Limitations

This report is only valid when read in its entirety. Any information or advice included in this report should not be relied on unless considered in the context on the whole report.

### 3 SITE DESCRIPTION & LOCATION

#### 3.1 Site Location

The Site address is land parcel south of Rhiwfawr Road, Lower Cwmtwrch, Neath Port Talbot, SA9 2QZ. Information from OS maps indicates that the site has a centred National Grid Reference of SN 76226, 10192 (co-ordinates Easting 276226 and Northing 210192) with an elevation of 138m above Ordnance Datum (AOD). The site is an unused land parcel surrounded trees and fields just off Rhiwfawr Road.

The site covers an area of approximately 1.03 hectares (2.55 acres).

The general site location and the surrounding area are presented on Image 1, below.

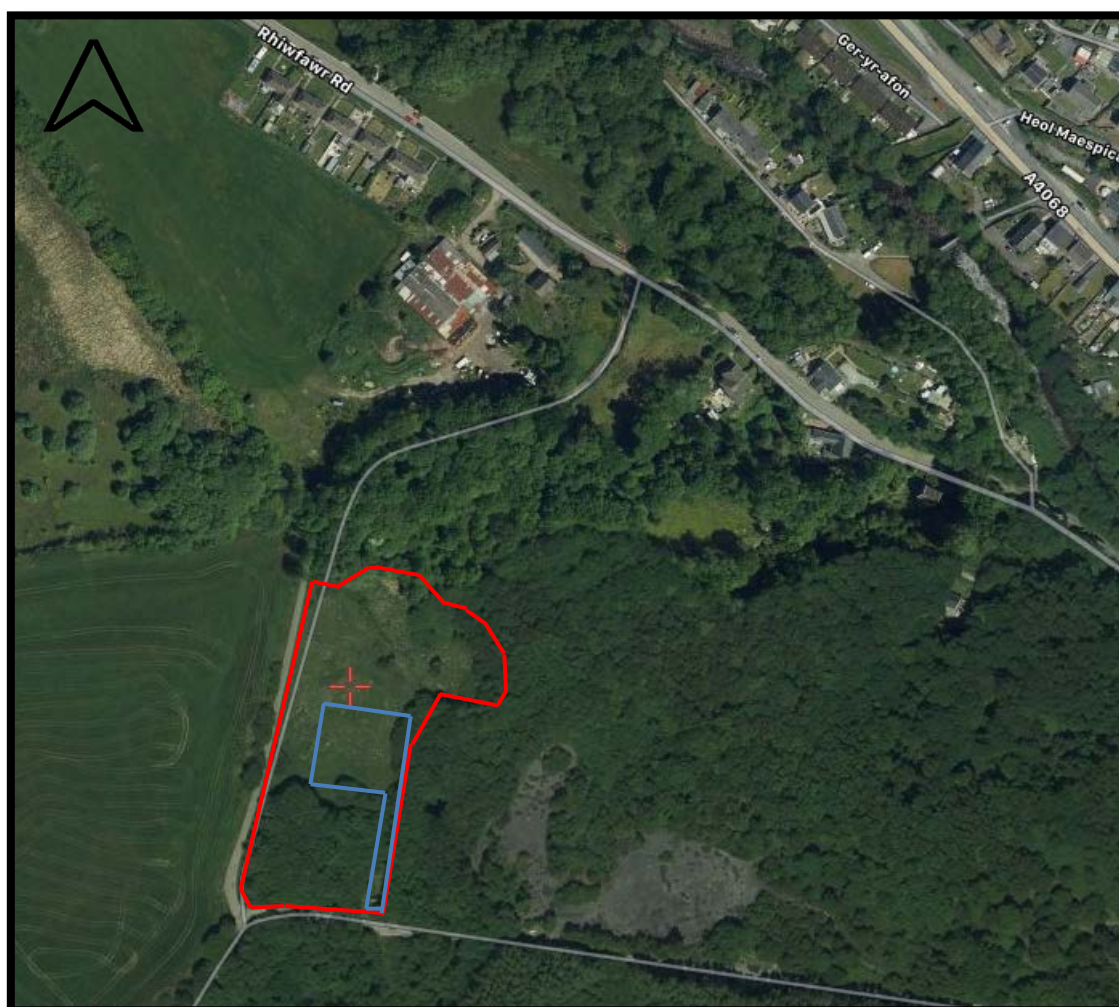


Image 1: Satellite image of Site and surrounding area. The entire Site boundary for the purpose of this report is outlined by the red line. The blue line represents the area in which the development will take place.

### 3.2 Current Site Use and Description

The Site is located on a parcel of land south of Rhiwfawr Road, Cwmtwrch. The site is bordered by woodland to the north, east and south while an unnamed road running north-south sits on the site's west and southern boundary. The topography of the site is stated to be relatively flat

The site itself is a parcel of land in open countryside which has recently been reseeded with pasture grass seed.

### 3.3 Surrounding Land Use

The landscapes of the area surrounding the site comprise unused open countryside, a mixture of woodland and green fields.

**NORTH:** Tree coverage, beyond that is a possible barn structure with stored vehicles.

**EAST:** Tree coverage and green space.

**SOUTH:** Unnamed Road and tree coverage.

**WEST:** Unnamed Road and open green fields beyond that.

## 4 HISTORICAL LAND USE

The historic use of the site has been determined from inspection of 1:2,500 and 1:10,000 scale Ordnance Survey map dated from 1884 to the present day. The historical maps are contained in Appendix A.

### 4.1 Site History

A summary of the information from the historic maps is presented below in Table 1.

| Map Date | Site Detail                                                                                                                               | Surrounding Land Use                                                                                                                                                                                                                                                                                                                                                    |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1883     | Natural Land (Undeveloped)                                                                                                                | <b>North:</b> Open undeveloped land.<br><b>South:</b> Gilwen Colliery and associated mine workings (coal drifts, etc).<br><b>West:</b> Open undeveloped land.<br><b>East:</b> Open undeveloped land, beyond that is a tramway which leads to the colliery                                                                                                               |
| 1889     | Natural Land (Undeveloped, bar a minor unfenced road running through the site)                                                            | <b>North:</b> Mine air shaft forms and possible pits (categorised as 'other').<br><b>South:</b> Gilwen Colliery and associated mine workings (coal drifts, coal spoil heaps, etc).<br><b>West:</b> Open undeveloped land.<br><b>East:</b> Undeveloped land followed by coal level and other pits (categorised as 'other').                                              |
| 1901     | Natural Land categorised as either rough pasture or heath. Road appears to become an unfenced main road and is accompanied by a footpath. | <b>North:</b> Mine air shaft and 'other' pits present.<br><b>South:</b> Gilwen Colliery (now disused) and associated mine workings (old coal drift, coal spoil heaps, pits).<br><b>West:</b> Undeveloped land (rough pasture or heath), further afield lies more 'other' pits.<br><b>East:</b> Undeveloped land followed by 'other pits', old coal levels and quarries. |
| 1906     | Natural Land categorised as either rough pasture or heath. Unfenced road and footpath still present.                                      | <b>North:</b> Mine air shaft and 'other' pits present.<br><b>South:</b> Disused Gilwen Colliery, remnants of the associated mine workings still present.<br><b>West:</b> Undeveloped land (rough pasture or heath), further afield lies more 'other' pits.<br><b>East:</b> Minor roads form, beyond these lies a coal level and other pits (categorised as 'other').    |

| Map Date    | Site Detail                                                                                                                          | Surrounding Land Use                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1921        | Natural Land categorised as either rough pasture or heath. Unfenced road and footpath still present.                                 | <p><b>North:</b> Old mine air shaft and 'other' pits.</p> <p><b>South:</b> Old coal drift, colliery appears to have been removed by this point on the timeline.</p> <p><b>West:</b> Narrow gauge railway line sits directly adjacent to the site forming a tramway more south. Undeveloped land (rough pasture/heath), pits appear to be pushed further away from the site.</p> <p><b>East:</b> Roads grow in size, old coal levels and pits still present.</p> |
| 1953        | Natural Land categorised as either rough pasture or heath. Unfenced road and footpath still present.                                 | <p><b>North:</b> Old mine air shaft and 'other' pits.</p> <p><b>South:</b> Old coal drift, colliery appears to have been replaced with more 'other' pits.</p> <p><b>West:</b> Narrow gauge railway line sits directly adjacent to the site. Undeveloped land (rough pasture/heath), pits appear to be pushed further away from the site.</p> <p><b>East:</b> Road, old coal levels and pits still present.</p>                                                  |
| 1965        | Natural Land categorised as either rough pasture or heath. Unfenced road and footpath cutting through the site is no longer present. | <p><b>North:</b> Pits present, however now greatly reduced in size compared to previous years.</p> <p><b>South:</b> Mixture of natural rough pasture/heath land and a refuse/slag heap.</p> <p><b>West:</b> Single track railway line directly adjacent to the site, after this an opencast working mine covers a very large area of land.</p> <p><b>East:</b> Refuse/slag heap forms directly adjacent to the site</p>                                         |
| 1981 - 1989 | Natural Land, more clearly clarified as heath with bracken flora being present.                                                      | <p><b>North:</b> Disused tip is directly above the site.</p> <p><b>South:</b> Natural land and small lake/loch present.</p> <p><b>West:</b> Opencast working now gone, land is almost all undeveloped, a farm has formed further west.</p> <p><b>East:</b> Undeveloped natural land, small shrubbery has formed.</p>                                                                                                                                            |
| 1991        | No Data                                                                                                                              | <b>North, South, East &amp; West:</b> No Data                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1999 - 2000 | Undeveloped land, map does not indicated what sort of vegetation, etc. resides on site.                                              | <p><b>North:</b> Disused tip is directly above the site.</p> <p><b>South:</b> Natural grassland and small lake/loch present.</p> <p><b>West:</b> Undeveloped land with small footpaths present.</p> <p><b>East:</b> Water drain directly adjacent, Undeveloped natural land, small shrubbery still present.</p>                                                                                                                                                 |
| 2019        | Undeveloped land, grassland present in the southern part of the site, more clear area to the north.                                  | <b>North, South, East &amp; West:</b> As per present day conditions.                                                                                                                                                                                                                                                                                                                                                                                            |

**Table 1:** Summarised historical land use of the site.

## 5 ENVIRONMENTAL SETTING

The environmental setting establishes the sensitivity of the identified receptors and records relevant information of activities and incidents within the immediate area. An assessment of the Site geology (including artificial, superficial and solid bedrock), hydrology (surface water bodies) and hydrogeology (groundwater properties) is required in order to determine the possible pathways through soils, bedrock and water courses. These pathways can take pollutants off Site, but also have the potential to bring them on Site from external sources.

### 5.1 Geology and Hydrogeology

The following sections describe the various geologic layers located on Site and are based on the Envirocheck Geological Data and BGS<sup>1</sup> maps of Great Britain (1:10,000 and 1:50,000 scale).

#### 5.1.1 Published Geology & Hydrogeology

##### 5.1.1.1 Artificial Geology

Artificial deposits are those within the ground that have been significantly altered by human activity which may include; made ground, worked ground, infilled ground, landscaped ground and disturbed ground. These areas are more likely to be highly permeable and hence provide potential for any spill to pass through this material and infiltrate through the ground.

The site itself has no artificial geology, mainly due to it remaining relatively undisturbed throughout its known history (PD – 1883). However the parcels of land surrounding the site have been largely altered, as a result of the coal mining history of the area. To the west of the site, the artificial geology is made up of worked ground (LEX code: WGR), these are areas where the ground has been cut away such as quarries, opencast mines and road cuttings. To the North and East of the site, the

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<sup>1</sup> Geological Map of Great Britain (1:50,000), Sheet No. 247.

artificial geology consists of made ground (LEX code: MGR). These are man-made deposits such as embankments and spoil heaps on the natural ground surface.

#### **5.1.1.2 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. 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 of the Site is shown to be made up of Till, Devensian – Diamicton (LEX code: TILLD). These superficial deposits are thought to have formed up to 2 million years ago in the Quaternary Period. During this era the local environment was dominated by ice age conditions. These sedimentary deposits are glacial in origin. They are detrital, created by the action of ice and meltwater (BGS).

#### **5.1.1.3 Bedrock Geology**

The bedrock of the Site is an important characteristic in that depending on its composition, this affects the porosity and permeability in which a pollutant may or may not be able to migrate through.

The bedrock geology beneath the site comprises of South Wales Middle Coal Measures Formation (LEX code: SWMCM), made up from a mixture of mudstone, siltstone and sandstone. This sedimentary bedrock is thought to have formed approximately 310 to 318 million years ago during the Carboniferous Period, when the local environment previously dominated by swamps, estuaries and deltas (BGS). These sedimentary rocks are fluvial and shallow-marine in origin. They are detrital, forming deposits which reflect the channels, floodplains and deltas of a river in a coastal environment setting.

A geological fault line also runs through the northern part of the site.

#### **5.1.1.4 Groundwater Source Protection Zones**

The Site is not located in a groundwater Source Protection Zone (SPZ).

### 5.1.1.5 Groundwater Abstractions

From the Envirocheck report there are no groundwater abstractions within 1km of the site.

## 5.2 Groundwater Vulnerability

The groundwater within an aquifer is vulnerable to contamination from human activity. The vulnerability of groundwater is based on the geological setting of the Site and potential sources of contamination.

The Envirocheck report details that the aquifers beneath the site falls within the Low Vulnerability, Secondary Aquifer criteria. The superficial aquifer is described as a Secondary Undifferentiated, this means it wasn't possible to attribute either category A or B due to the variable characteristics of the rock type. The bedrock aquifer properties are described as a minor aquifer which has permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases form an important source of base flow to rivers.

## 5.3 Published Hydrology

Hydrology covers all surface water features such as rivers, lakes and canals. The hydrological features of a site is an important aspect of this report in that it can act as a receptor in the event of a spill, but it can also act as a pathway and a source of pollution when contaminated.

Surface water features are heavily controlled within EU and UK legislation, such as the Water Framework Directive 2000/60/EC in which the primary aim is for all water bodies to achieve a chemical status of 'Good' by 2015. In the UK, the main legislative driver is the Water Resources Act, 1991, in which Part III outlines the offences relating to the pollution of Controlled Waters.

The Envirocheck report details 2 rivers in the area and their water quality. The first is the River Twrch, which lies 133m NE of the site and has attributed the water quality grade of A. The second is further field, named the River Nant Gwys, which resides 971m N of the site with a B river quality grade.

## 5.4 Surface Water Resources

There is an abundance of water resources surrounding the site, with 270 OS Water Network Lines within 1km. The nearest surface water feature is a small inland river located just 6m S of the site.

There are however 3 licensed surface water abstractions 279m E of the site, these are used for Aquaculture: fish farm and cress pond through flow.

## 5.5 Environmental Sensitivity

The Site is not located within a groundwater SPZ, and there are no groundwater abstractions within a 1km radius from the Site.

Receptor sensitivity with respect to surface water features and sensitive land-uses is considered to be relatively high, given that the closest surface water feature is located only 6 m from the Site. This would allow for easy mobilisation of contaminants from the site if an effluent was released, further exacerbated by the high rainfall potential in the area.

## 5.6 Radon Potential

The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). This results in No radon protective measures being necessary in the construction of new dwellings or extensions.

## 5.7 BGS Borehole Records

There are 5 recorded boreholes are situated within 1km of Site.

## 5.8 Sensitive Land Use

There are 17 sensitive land use sites within 1 km of the site, all of which consist of ancient woodland. The closest resides 200m NE of the site.

## **6 REGULATORY INFORMATION**

### **6.1 Discharge Consents to Controlled Waters**

The Envirocheck Report provides records of 12 discharge consents to Controlled Waters within a 1 km radius of the Site. None of these are close to the site (closest is 461m away) resulting in there being little impact on the site in question.

### **6.2 Pollution Incidents**

The Envirocheck Report details that there are no NRW recorded pollution incidents to controlled waters within 250m of the Site.

There is however an NRW recorded Substantiated Pollution Incident which impacts the site. The incident entered the register in March 2002 due to water contaminated with suspended solids) which is deemed to have a significant impact on water in the area.

### **6.3 Landfill Sites**

The Envirocheck Report contained 3 recorded landfill sites within 1km of the site, 2 historic and 1 current. However, these lie over 650m away from the site so are unlikely to have any impact.

## 7 CONCEPTUAL SITE MODEL

Part 2A of the Environmental Protection Act 1990 created a regime for the identification and remediation of contaminated land. Section 78A(2) of the Environmental Protection Act 1990 defines contaminated land for the purposes of Part 2A as:

*'any land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land, that; (a) significant harm is being caused or there is a significant possibility of such harm being caused; or (b) pollution of controlled waters is being, or is likely to be caused.'* Harm is defined under section 78A of the Environmental Protection Act as meaning *'harm to the health of living organisms or other interference with the ecological systems of which they form part and, in the case of man, includes harm to his property'*. Types of harm are related to specific receptors in order to determine whether they can be regarded as "significant".

In general terms, a Risk Assessment establishes whether unacceptable risks exist and if so, what further action needs to be taken in relation to the site. Under Part IIA of the Environmental Protection Act 1990, in order to demonstrate that a risk to a receptor may exist, it must be shown that three components are present.

The outline Conceptual Site Model (CSM) of the site is a representation of the Site characteristics and the interactions with the surrounding environment, which identifies all possible potential contamination *sources*, contaminant migration *pathways* and *receptors*, and shows the possible relationships between them (known as *potential pollutant linkages*) taking into account current and proposed uses of the Site.

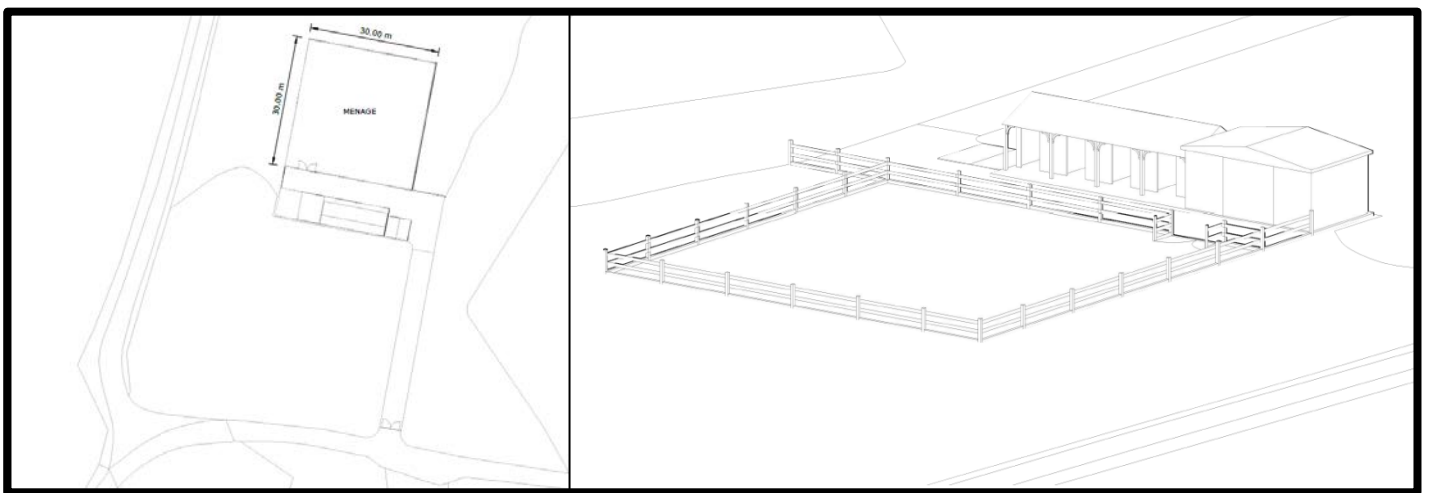
- o **A source** – defined as a substance which is in, on or under the land and which has the potential to cause harm or to cause pollution of controlled waters and or human health.
- o **A pathway** – a route or means by which a receptor can be exposed to or affected by a contaminant.

- o **A receptor** – is defined as a) a living organism, a group of living organisms, an ecological system or a piece of property which is being or could be harmed by a contaminant or b) controlled waters which are being, or could be, polluted by a contaminant.

The summary of the overall risks is an indication of the viability of the pollutant linkages existing i.e. a high overall risk level indicates a strong pollutant linkage and vice versa. These pollutant linkages define the CSM.

## 7.1 Intended Future Use of the Site

It is proposed that the Site will be redeveloped to accommodate a private equestrian stables, ménege and storage building with associated access and parking. The proposed layout of the Site can be seen below in Image 2.



**Image 2:** Proposed layout of the stable to be developed on the site.

## 7.2 Identification of PAOC

Based on the information obtained from the Phase I investigation and on-site PAOC have been identified together with identification of the potential contaminants of concern associated with each PAOC based on existing Site knowledge and reference to the obtained library data.

A PAOC is the long history of coal mining activity within close proximity to the site. Despite there being no development and activities being conducted on site, besides

a small historic road and footpath there was substantial activity in the surrounding area. In the immediate vicinity to the site there has been a large number of possible contamination sources/activities including a coal mining colliery, 'other' categorised pits which are likely to be coal in nature, refuge/slag heaps, mine air shafts, opencast mining works, coal spoil heaps, coal drifts and tips. The environmental footprint left behind after coal mining activity is substantial, directly from the mines operation and then further exacerbated by high levels of rainfall which causes AMD (Acid Mine Drainage) long after the activities have ceased. As a result there is probable CoC that the soil in the area including the site could be contaminated with elements including cadmium, lead, copper, zinc and namely arsenic.

### **7.3 Potential Pathways**

GPT understand that the Site is to be developed for recreational use and housing for horses. This implies that post construction on-site incidental ingestion and/or dermal contact pathways (from a soil or groundwater source) by humans or animals would be restricted to landscaped areas.

During the Site construction works additional exposure, through direct contact, to potentially contaminated sub soils maybe encountered, however, these risks are expected to be managed through health and safety best practices during works.

Potential contaminant pathways to controlled water receptors are being considered due to the sheer number of water networks in the area, coupled with their close proximity.

### **7.4 Potential Receptors**

The Site is situated within a predominantly residential land use area and therefore, potential human health receptors associated with the Site are considered to be the future onsite construction operatives and users and occupants after the project has been completed.

Aquifers beneath the site are considered to be low vulnerability, the area also does not rely on groundwater. Water resource receptors have been identified such as small inland rivers and lake/loch which reside as close as 6m south of the site.

## 7.5 Initial Conceptual Site Model

An outline CSM has been produced based on the continued use of the site for recreational redevelopment and details potentially active pollutant linkages based upon interpretation of the data and all the available information processed by the consultant.

The CSM is presented within Table 2.

| SOURCES OF CONTAMINATION |                                         | Unknown but possible ground/water contamination on the site due to a long history of coal mining activities within very close proximity. These included a Colliery, coal spoil/refuse/slag heaps, air shafts, pits and tips. The site itself remained undeveloped besides a historic road and footpath, the CoC is the possibility of external pollution sources. |                                                                                                                                                                                                                                                                                                                                                                                      |            |
|--------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| RECEPTOR                 |                                         | RELEVANT PATHWAYS                                                                                                                                                                                                                                                                                                                                                 | RELEVANT DATA                                                                                                                                                                                                                                                                                                                                                                        | RISK LEVEL |
| HUMAN HEALTH             | SITE WORKER<br>(During any development) | Ingestion of soil                                                                                                                                                                                                                                                                                                                                                 | Long history of mining in the areas surrounding the site, coupled with high rainfall and artificial geology leads to possibility of contamination, currently unknown.                                                                                                                                                                                                                | High       |
|                          |                                         | Dermal contact with soil                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                      |            |
|                          |                                         | Ingestion of groundwater                                                                                                                                                                                                                                                                                                                                          | Long history of mining in the areas surrounding the site, coupled with high rainfall and artificial geology leads to possibility of contamination, currently unknown. Site worker during development is unlikely to come into contact with groundwater however.                                                                                                                      | Low        |
|                          |                                         | Dermal contact with groundwater                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                      |            |
|                          |                                         | Inhalation of outdoor air                                                                                                                                                                                                                                                                                                                                         | Unlikely to be any elevated vapours in the outdoor air.                                                                                                                                                                                                                                                                                                                              | Low        |
|                          |                                         | Inhalation of indoor air                                                                                                                                                                                                                                                                                                                                          | Unlikely to be any elevated vapours in the indoor air, the stable itself in unlikely to be airtight enough to allow for an accumulation of vapours even if they were present.                                                                                                                                                                                                        | Low        |
|                          |                                         | Ingestion of surface water                                                                                                                                                                                                                                                                                                                                        | Nearest surface water feature is in close proximity of the site at only 6m away, however a site worker is unlikely to encounter it during the development phase.                                                                                                                                                                                                                     | Low        |
|                          |                                         | Dermal contact with surface water                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                      |            |
| HUMAN HEALTH             | SITE USER                               | Ingestion of soil                                                                                                                                                                                                                                                                                                                                                 | Long history of mining in the areas surrounding the site, coupled with high rainfall and artificial geology leads to possibility of contamination, currently unknown.                                                                                                                                                                                                                | High       |
|                          |                                         | Dermal contact with soil                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                      |            |
|                          |                                         | Ingestion of groundwater                                                                                                                                                                                                                                                                                                                                          | Groundwater considered at low vulnerability from pollution, however historical land uses imply there is chance of contamination, especially with presence of artificial geology in the surrounding vicinity allowing for easy infiltration of water. The area does not rely on groundwater for water; however horses could come into contact through consuming of grass in the area. | High       |
|                          |                                         | Dermal contact with groundwater                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                      |            |
|                          |                                         | Inhalation of outdoor air                                                                                                                                                                                                                                                                                                                                         | Unlikely to be any elevated vapours in the outdoor air.                                                                                                                                                                                                                                                                                                                              | Low        |
|                          |                                         | Inhalation of indoor air                                                                                                                                                                                                                                                                                                                                          | Unlikely to be any elevated vapours in the indoor air, the stable itself in unlikely to be airtight enough to allow for an accumulation of vapours even if they were present.                                                                                                                                                                                                        | Low        |
|                          |                                         | Ingestion of surface water                                                                                                                                                                                                                                                                                                                                        | Nearest surface water feature is in close proximity of the site at only 6m away, recorded substantiated pollution incident on site which impacted water quality. Contact is unlikely on site but not impossible if the user walks around it.                                                                                                                                         | Low        |
|                          |                                         | Dermal contact with surface water                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                      |            |
| PROPERTY                 | SITE                                    | Soil Matrix / Building Infrastructure                                                                                                                                                                                                                                                                                                                             | Long history of mining in the areas surrounding the site, coupled with high rainfall and artificial geology leads to possibility of contamination, currently unknown. Landslips have been noted in the area, however the site is relatively flat so unlikely to occur. Land collapse is deemed as a very low risk.                                                                   | High       |
|                          |                                         | Surface water                                                                                                                                                                                                                                                                                                                                                     | Nearest surface water feature is in close proximity of the site at only 6m away recorded substantiated pollution incident on site which impacted water quality. Historic coal mining in the area also could impact surface water in the vicinity.                                                                                                                                    | Medium     |
|                          |                                         | Groundwater                                                                                                                                                                                                                                                                                                                                                       | Groundwater considered at low vulnerability from pollution, however historical land uses imply there is chance of contamination, especially with presence of artificial geology in the surrounding vicinity allowing for easy infiltration of water.                                                                                                                                 | High       |
|                          | ADJACENT BOUNDARIES                     | Soil Matrix                                                                                                                                                                                                                                                                                                                                                       | Long history of mining in the areas surrounding the site, coupled with high rainfall and artificial geology leads to possibility of contamination, currently unknown.                                                                                                                                                                                                                | High       |
|                          |                                         | Surface water                                                                                                                                                                                                                                                                                                                                                     | Nearest surface water feature is in close proximity of the site at only 6m away recorded substantiated pollution incident on site which impacted water quality. Historic coal mining in the area also could impact surface water in the vicinity, especially the areas                                                                                                               | High       |

|               |               |                              |                                                                                                                                                                                                                                                      |      |
|---------------|---------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|               |               |                              | surrounding the site due to positioning of the coal mine activities.                                                                                                                                                                                 |      |
|               |               | Groundwater                  | Groundwater considered at low vulnerability from pollution, however historical land uses imply there is chance of contamination, especially with presence of artificial geology in the surrounding vicinity allowing for easy infiltration of water. | High |
| Environmental | SURFACE WATER | Surface water run-off/drains | Unknown integrity or distribution of site drains, the roads in close proximity are very underutilised suggesting drainage network could be basic or not present.                                                                                     | Low  |
|               |               | Soil Matrix                  | Surface water unlikely to become quickly contaminated running over the soil.                                                                                                                                                                         | Low  |
|               |               | Groundwater                  | Groundwater considered at low vulnerability from pollution, however historical land uses imply there is chance of contamination, especially with presence of artificial geology in the surrounding vicinity allowing for easy infiltration of water. | Low  |
|               | GROUNDWATER   | Soil Matrix                  | Groundwater considered at low vulnerability from pollution, however historical land uses imply there is chance of contamination, especially with presence of artificial geology in the surrounding vicinity allowing for easy infiltration of water. | High |
|               |               | Soil Matrix                  | Long history of mining in the areas surrounding the site, coupled with high rainfall and artificial geology leads to possibility of contamination, currently unknown.                                                                                | High |
|               | ECOLOGY       | Groundwater                  | Groundwater considered at low vulnerability from pollution, however historical land uses imply there is chance of contamination, especially with presence of artificial geology in the surrounding vicinity allowing for easy infiltration of water. | High |

**Table 2:** Initial CSM for the Site, identifying potential pollutant linkage.

## 8 SUMMARY OF FINDINGS AND DATA GAPS

Based on the results of the Phase I (Preliminary) Site Investigation and Conceptual Site Model, GPT considers that there is potential risk of contamination due to the historic mining activities in the area, high rainfall potential in the area and presence of artificial geology from reworking the ground after mining operations had ceased. The storing of living animals (horses) at the site poses a further risk in the case of ingestion of grass which could contain above norm levels of arsenic, etc.

Data gaps have been identified regarding recent soil and perched water conditions.

It is therefore, recommended that shallow soil sampling is conducted systematically to give a good representation of the site conditions. This will ensure that soil is non-contaminated and safe to use.

# APPENDIX A

## HISTORICAL MAPS

# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

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

## 1:10,000 Raster Mapping

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

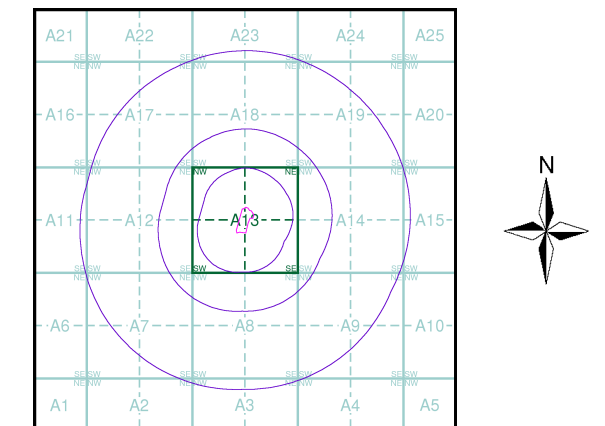
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## Historical Mapping & Photography included:

| Mapping Type         | Scale    | Date        | Pg |
|----------------------|----------|-------------|----|
| Glamorganshire       | 1:10,560 | 1883        | 2  |
| Brecknockshire       | 1:10,560 | 1889        | 3  |
| Glamorganshire       | 1:10,560 | 1901        | 4  |
| Brecknockshire       | 1:10,560 | 1906        | 5  |
| Brecknockshire       | 1:10,560 | 1921        | 6  |
| Brecknockshire       | 1:10,560 | 1921        | 7  |
| Brecknockshire       | 1:10,560 | 1953        | 8  |
| Ordnance Survey Plan | 1:10,000 | 1965        | 9  |
| Ordnance Survey Plan | 1:10,000 | 1981 - 1989 | 10 |
| Ordnance Survey Plan | 1:10,000 | 1984        | 11 |
| Ordnance Survey Plan | 1:10,000 | 1991        | 12 |
| 10K Raster Mapping   | 1:10,000 | 1999 - 2000 | 13 |
| Street View          | Variable |             | 14 |

## Historical Map - Slice A



## Order Details

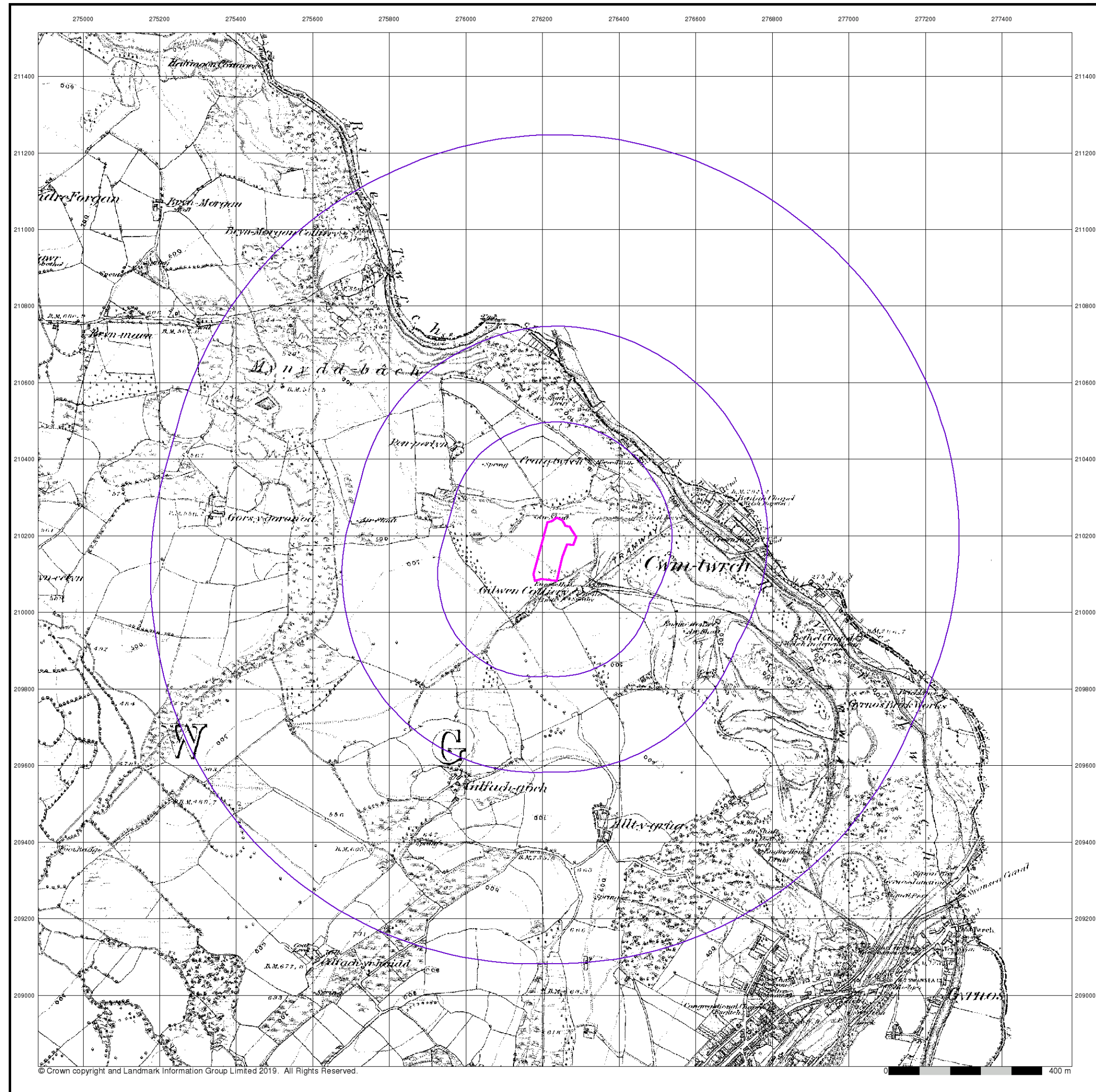
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Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 1000

## Site Details

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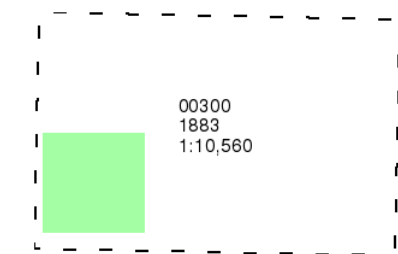
## Glamorganshire

Published 1883

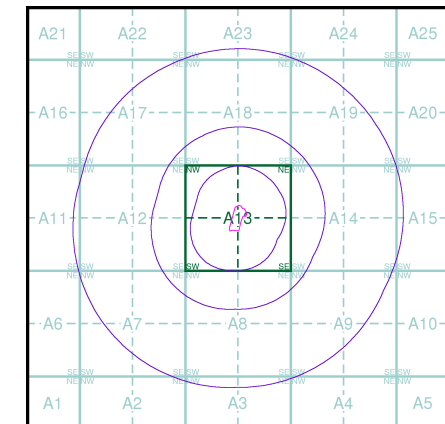
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### Map Name(s) and Date(s)



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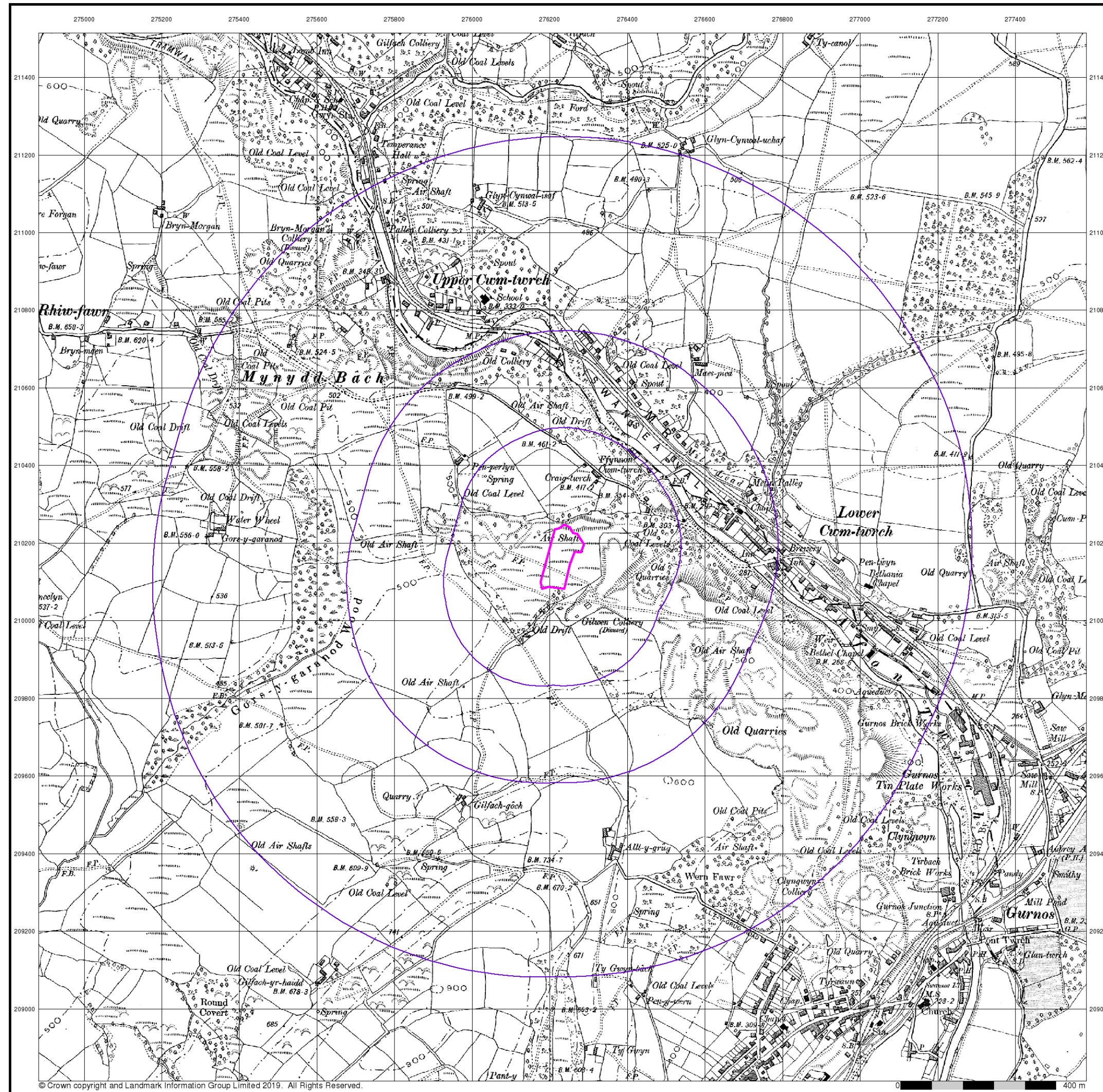
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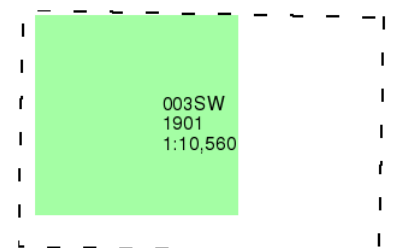
## Glamorganshire

Published 1901

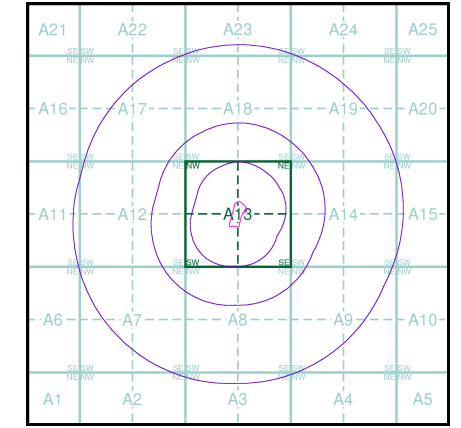
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### Map Name(s) and Date(s)



### Historical Map - Slice A



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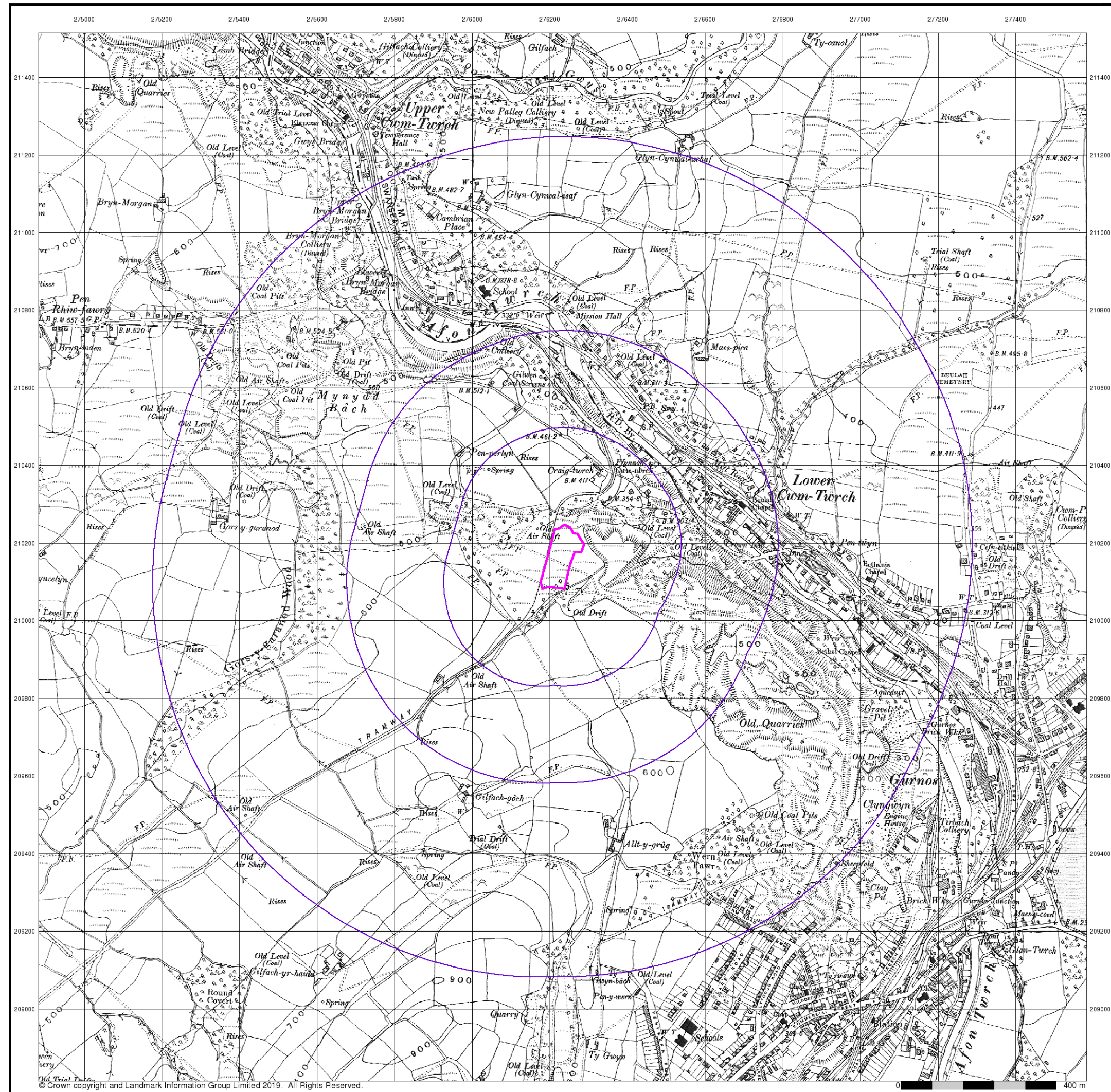
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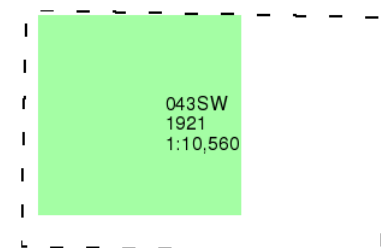
Brecknockshire

Published 1921

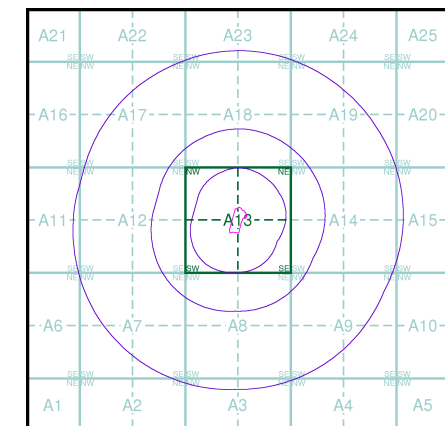
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

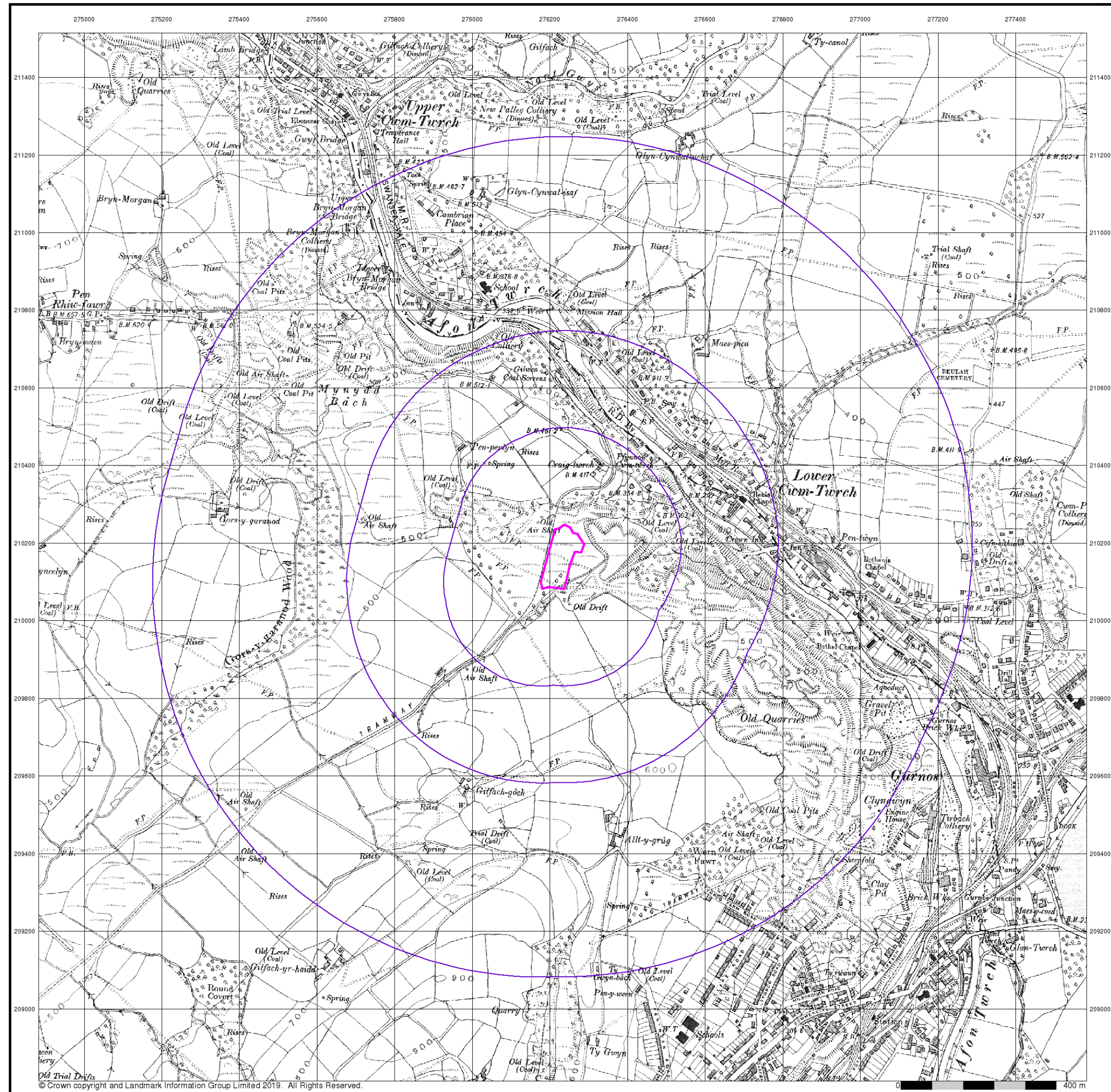
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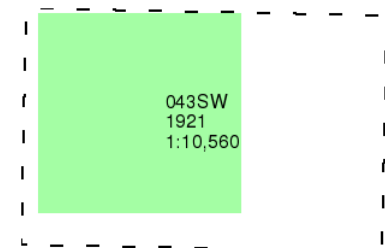
**Brecknockshire**

**Published 1921**

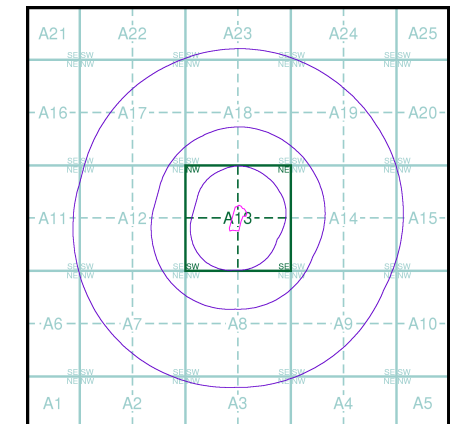
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**Map Name(s) and Date(s)**



**Historical Map - Slice A**



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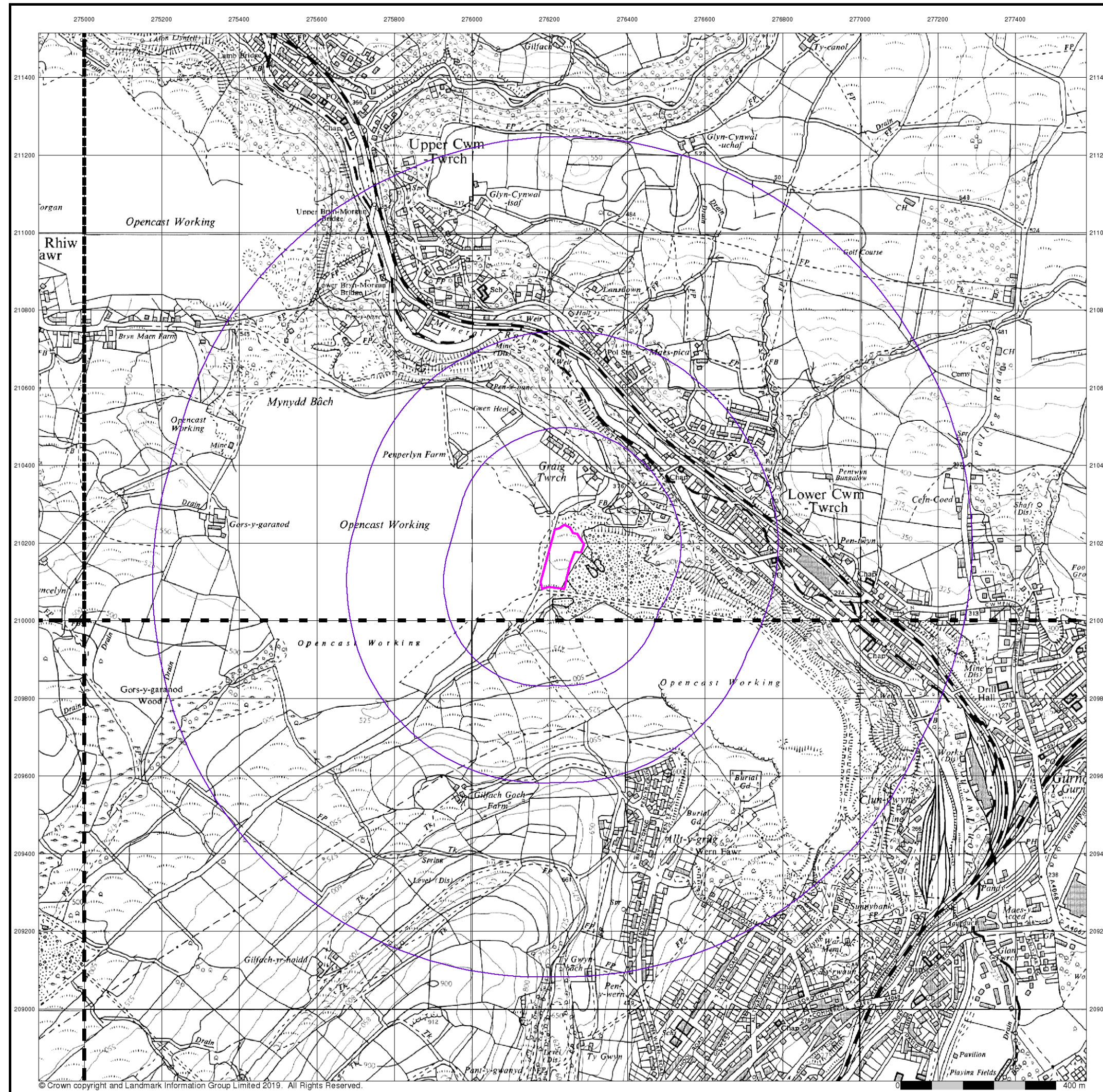
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## Ordnance Survey Plan

Published 1965

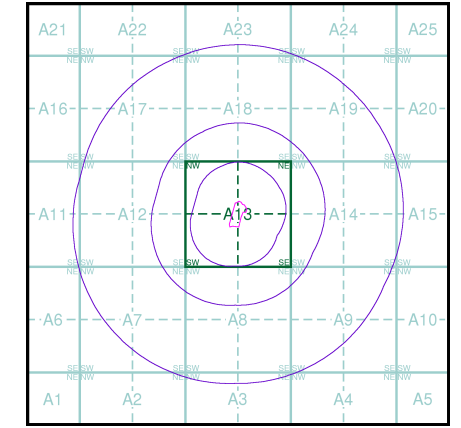
Source map scale - 1:10,000

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)

|          |          |
|----------|----------|
| SN71SW   | SN71SE   |
| 1965     | 1965     |
| 1:10,560 | 1:10,560 |
| SN70NW   | SN70NE   |
| 1965     | 1965     |
| 1:10,560 | 1:10,560 |

## Historical Map - Slice A

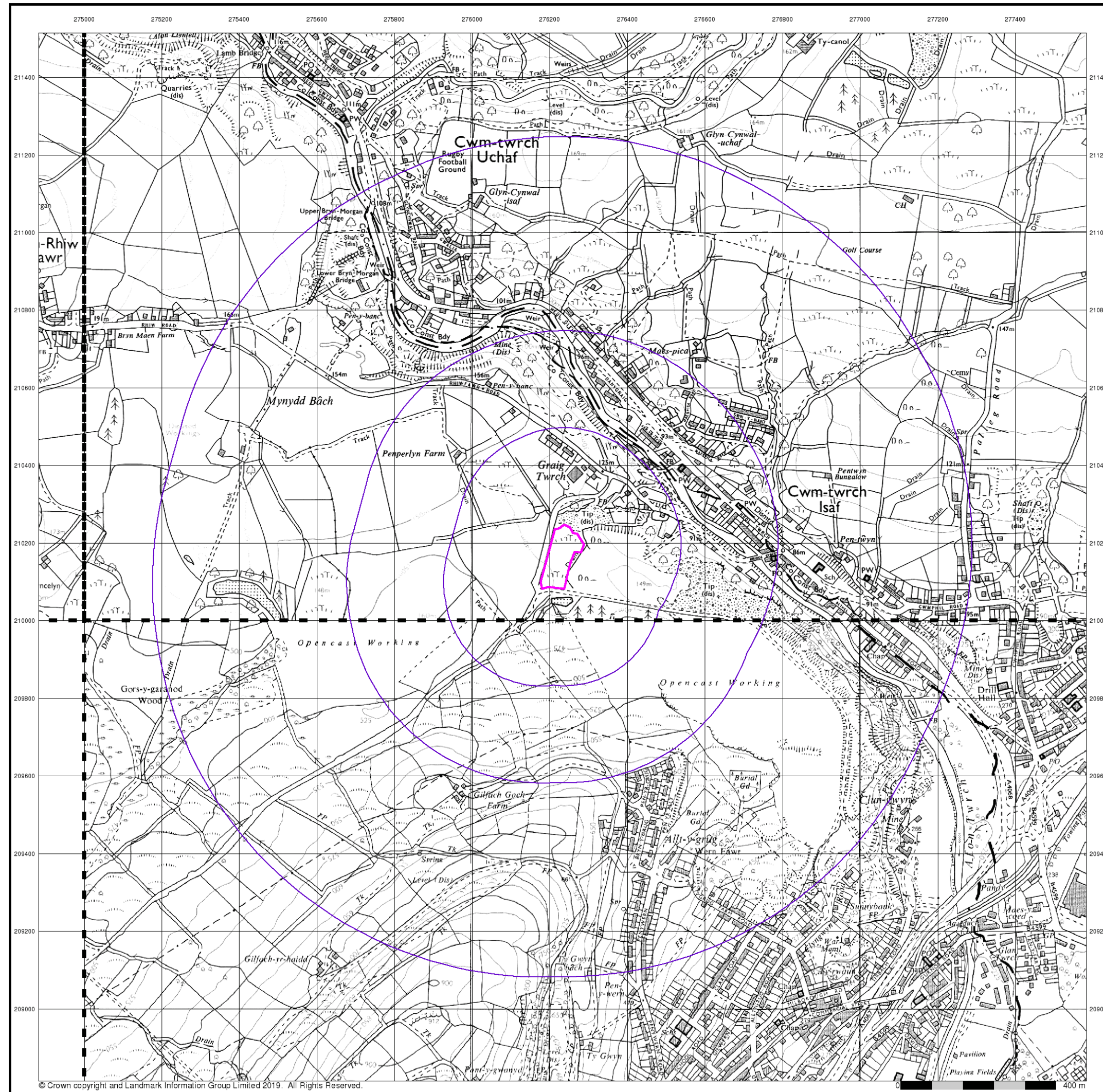


## Order Details

Order Number: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 1000

## Site Details

, Graig Twrch Villa, Rhiwfawr Road, Lower Cwmtwrch, Swansea, SA9 2QT



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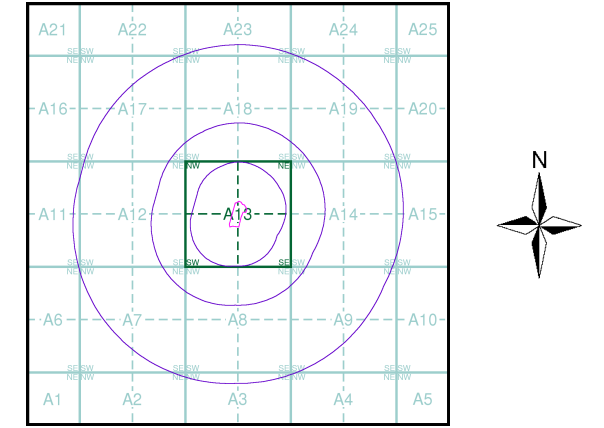
## Ordnance Survey Plan Published 1981 - 1989 Source map scale - 1:10,000

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)

|          |          |
|----------|----------|
| SN71SW   | SN71SE   |
| 1989     | 1987     |
| 1:10,000 | 1:10,000 |
|          |          |
|          | SN70NE   |
|          | 1981     |
|          | 1:10,560 |

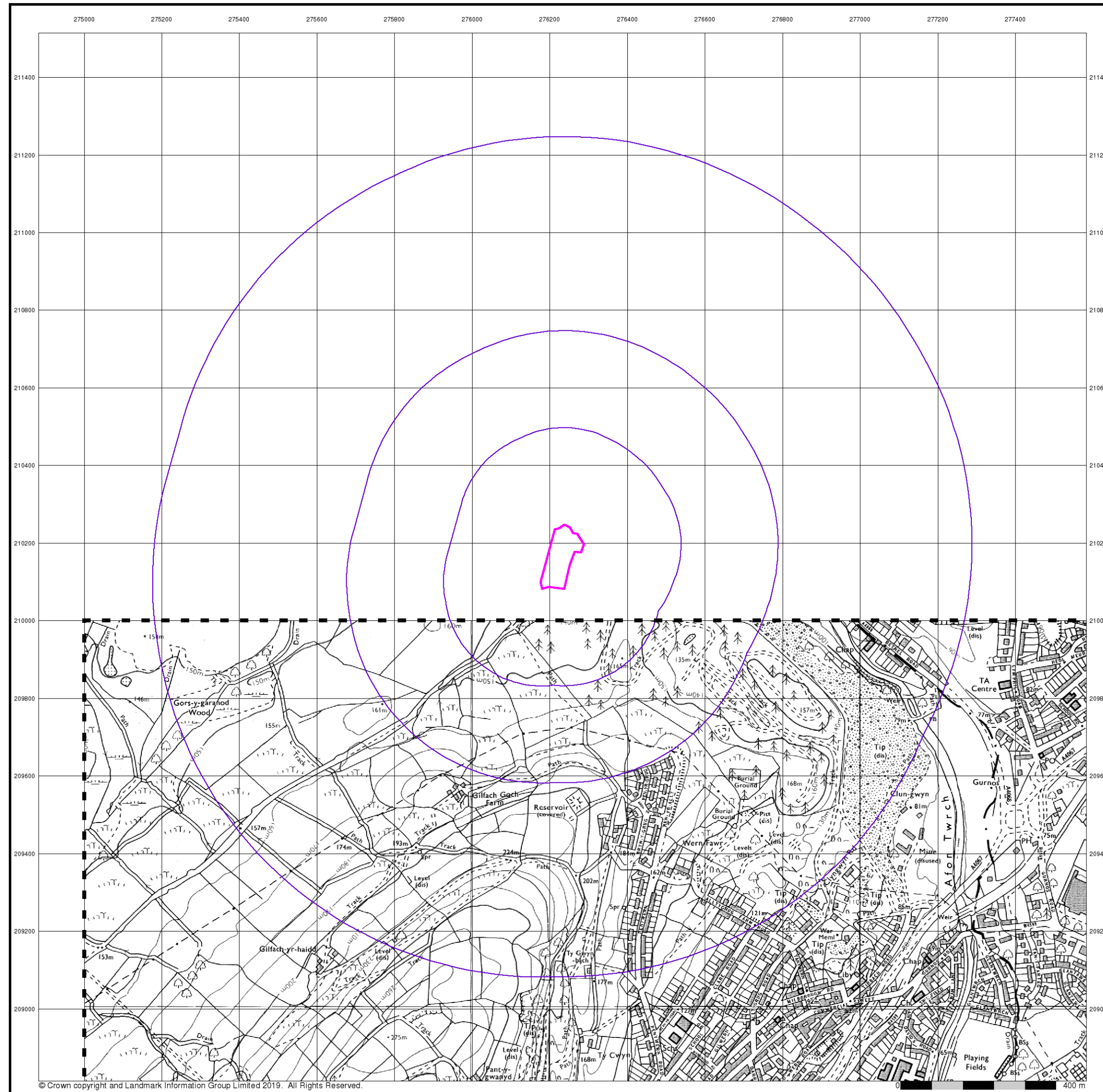
### Historical Map - Slice A



**Order Details**  
Order Number: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 1000

**Site Details**  
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## Ordnance Survey Plan

### Published 1984

### Source map scale - 1:10,000

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### Map Name(s) and Date(s)

SN70NE  
1984  
1:10,000

### Historical Map - Slice A

N

### Order Details

|                          |                |
|--------------------------|----------------|
| Order Number:            | 226985600_1_1  |
| Customer Ref:            | Alpha Planning |
| National Grid Reference: | 276230, 210160 |
| Slice:                   | A              |
| Site Area (Ha):          | 1.03           |
| Search Buffer (m):       | 1000           |

### Site Details

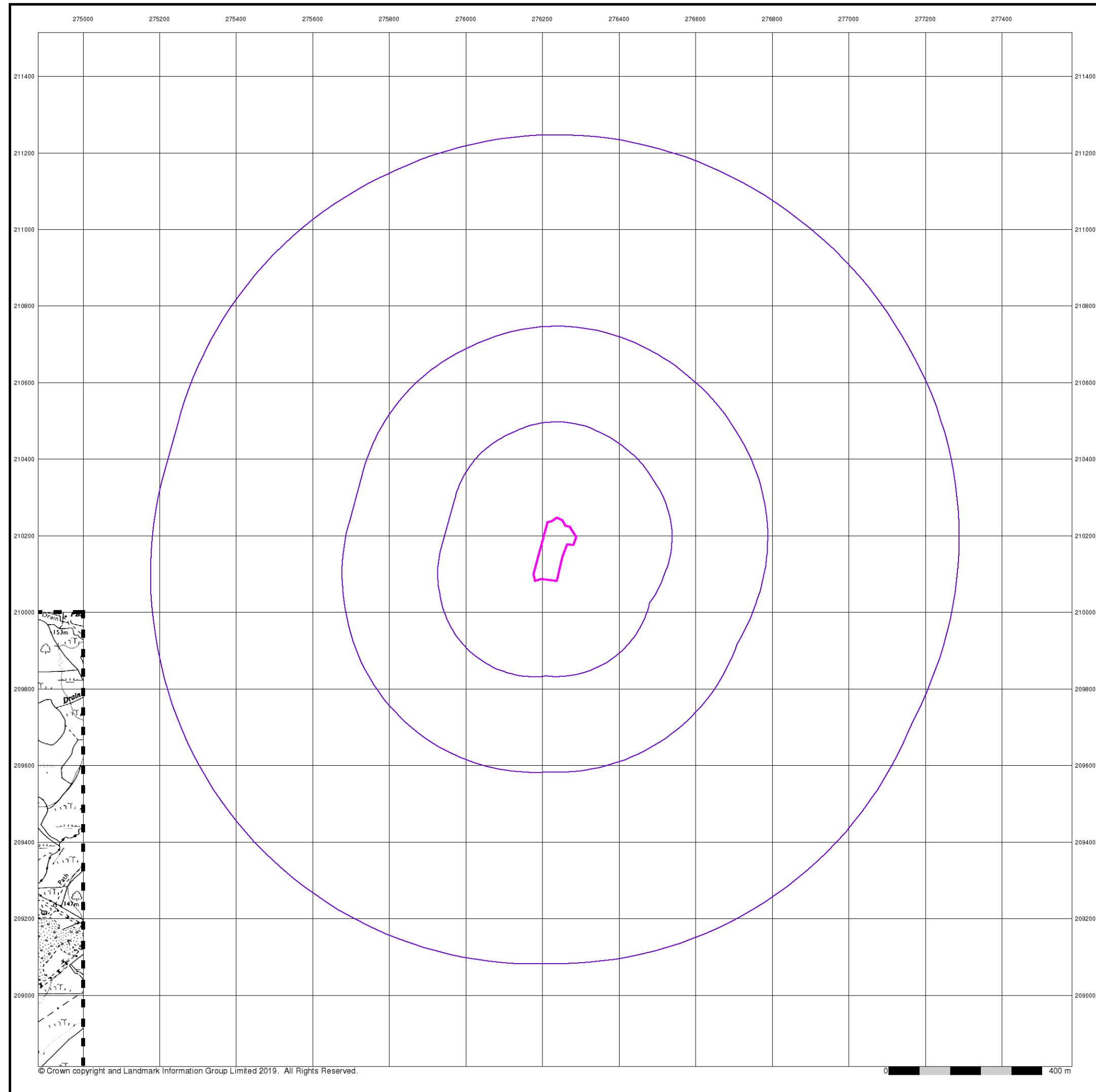
, Graig Twrch Villa, Rhiwfawr Road, Lower Cwmtwrch, Swansea, SA9 2QT

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## Ordnance Survey Plan

### Published 1991

### 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)

SN70NW  
1991  
1:10,000

### Historical Map - Slice A

### Order Details

|                          |                |
|--------------------------|----------------|
| Order Number:            | 226985600_1_1  |
| Customer Ref:            | Alpha Planning |
| National Grid Reference: | 276230, 210160 |
| Slice:                   | A              |
| Site Area (Ha):          | 1.03           |
| Search Buffer (m):       | 1000           |

### Site Details

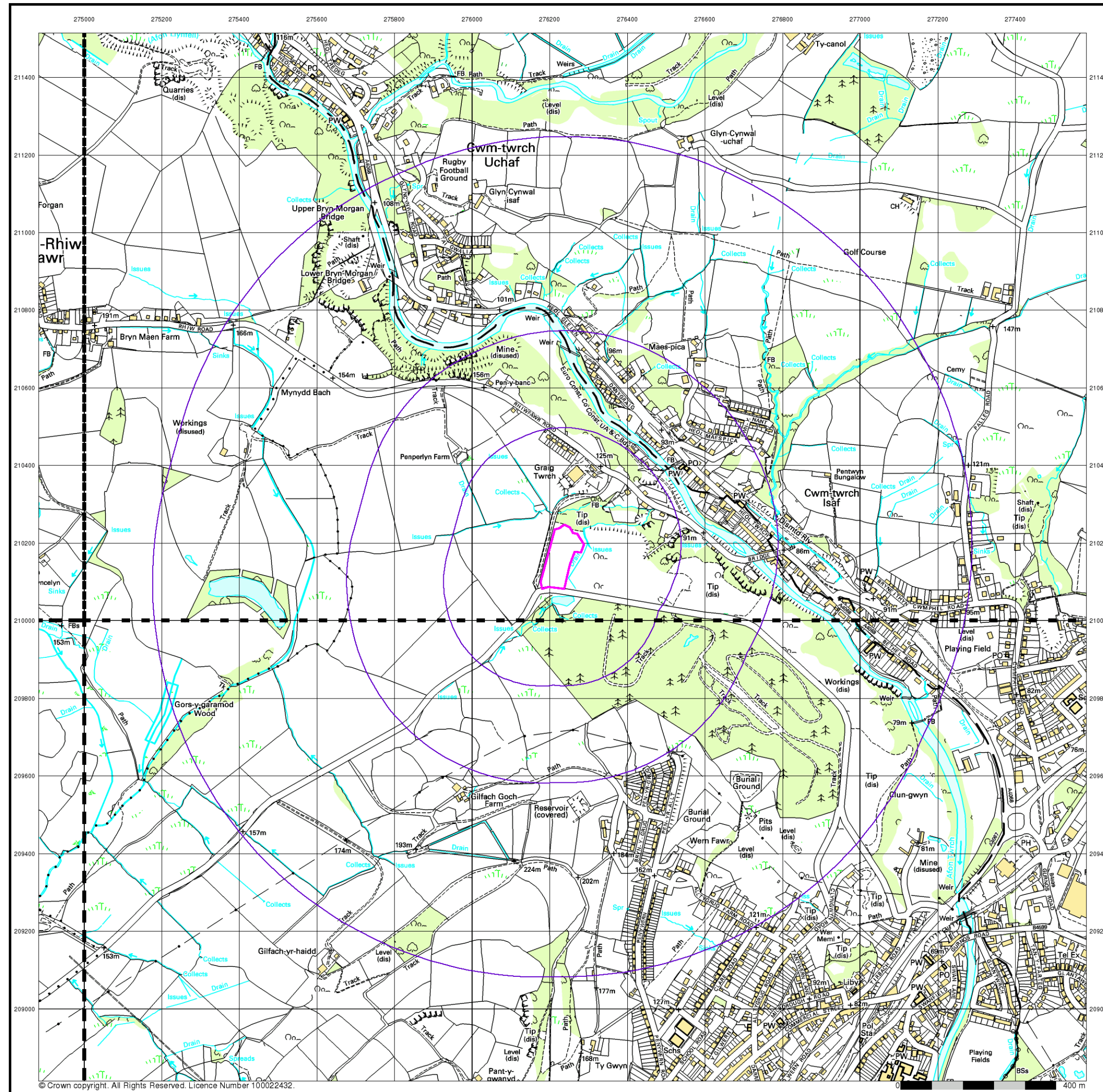
, Graig Twrch Villa, Rhiwfawr Road, Lower Cwmtwrch, Swansea, SA9 2QT

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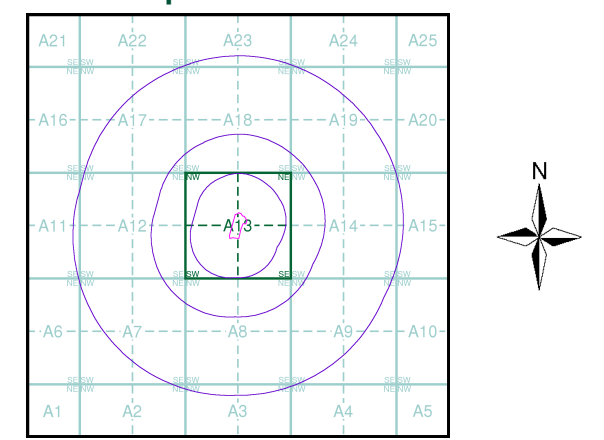
**10k Raster Mapping**  
**Published 1999 - 2000**  
**Source map scale - 1:10,000**

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)

|          |          |
|----------|----------|
| SN71SW   | SN71SE   |
| 1999     | 2000     |
| 1:10,000 | 1:10,000 |
| SN70NW   | SN70NE   |
| 1999     | 2000     |
| 1:10,000 | 1:10,000 |

## Historical Map - Slice A



**Order Details**  
Order Number: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 1000

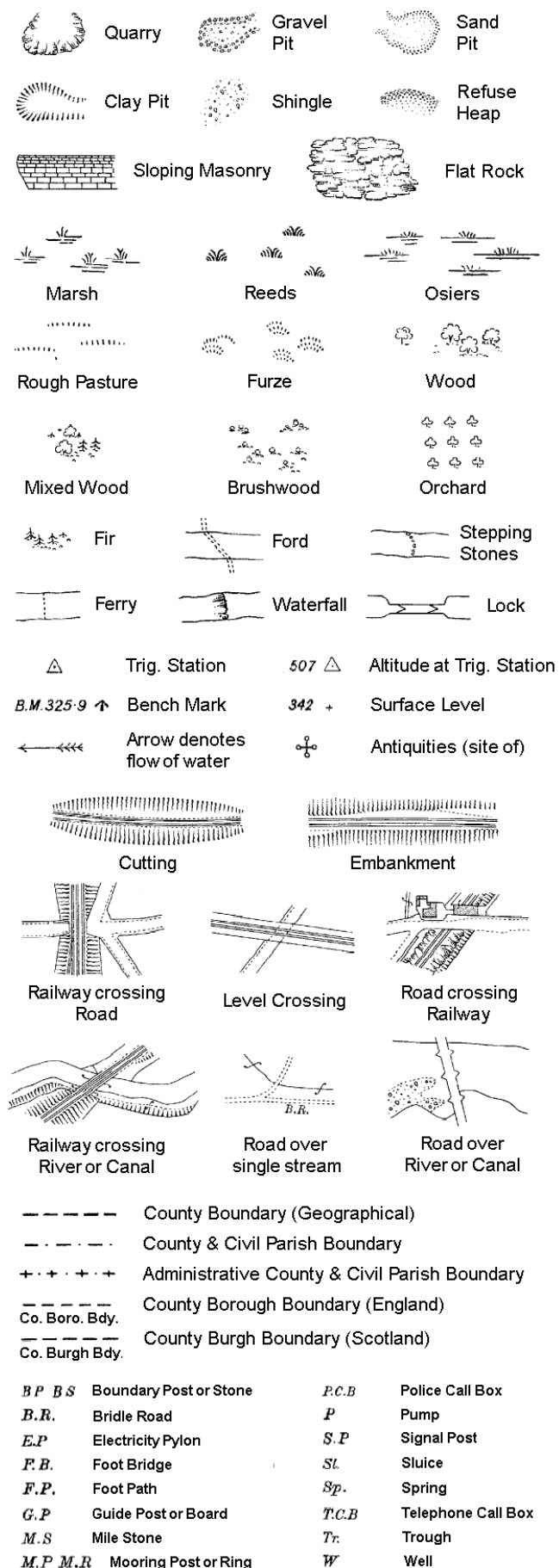
**Site Details**  
, Graig Twrch Villa, Rhiwfawr Road, Lower Cwmtwrch, Swansea, SA9 2QT

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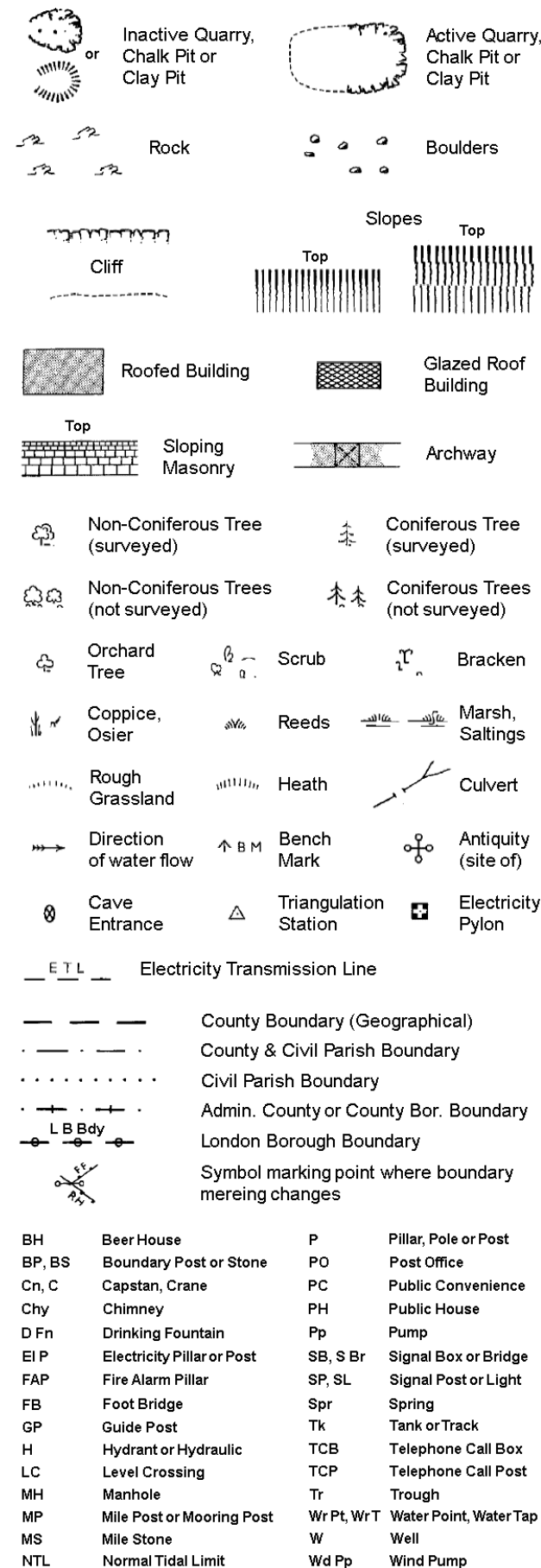


# Historical Mapping Legends

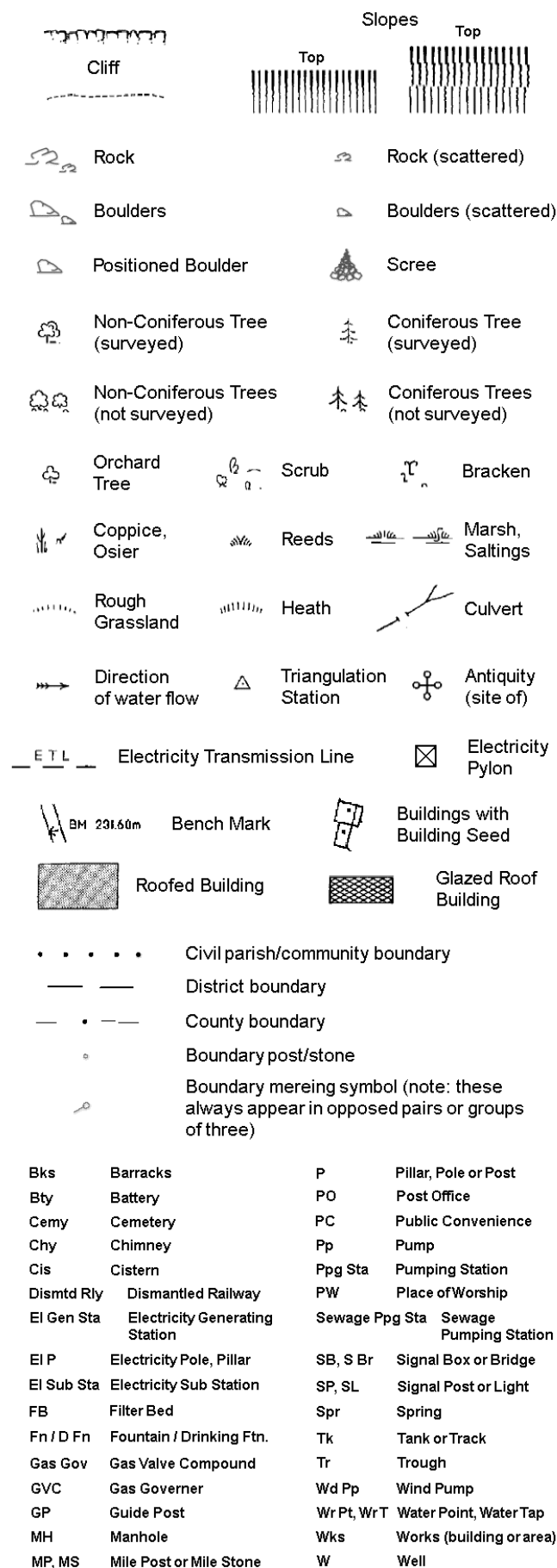
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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



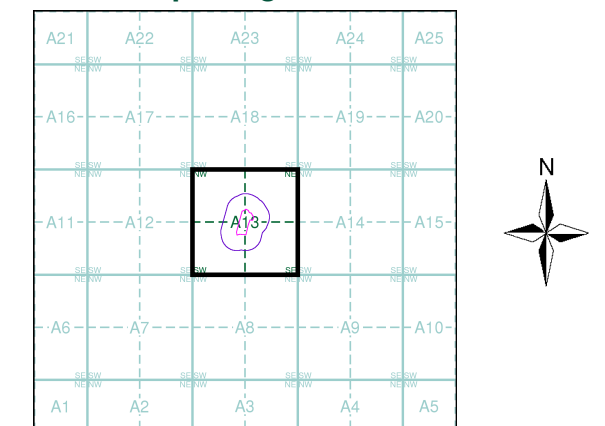
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## Historical Mapping & Photography included:

| Mapping Type                   | Scale   | Date        | Pg |
|--------------------------------|---------|-------------|----|
| Glamorganshire                 | 1:2,500 | 1878        | 2  |
| Brecknockshire                 | 1:2,500 | 1878        | 3  |
| Glamorganshire                 | 1:2,500 | 1899        | 4  |
| Brecknockshire                 | 1:2,500 | 1905        | 5  |
| Brecknockshire                 | 1:2,500 | 1918        | 6  |
| Ordnance Survey Plan           | 1:2,500 | 1962 - 1964 | 7  |
| Ordnance Survey Plan           | 1:2,500 | 1972 - 1986 | 8  |
| Additional SIMs                | 1:2,500 | 1984 - 1988 | 9  |
| Large-Scale National Grid Data | 1:2,500 | 1993        | 10 |

## Historical Map - Segment A13



## Order Details

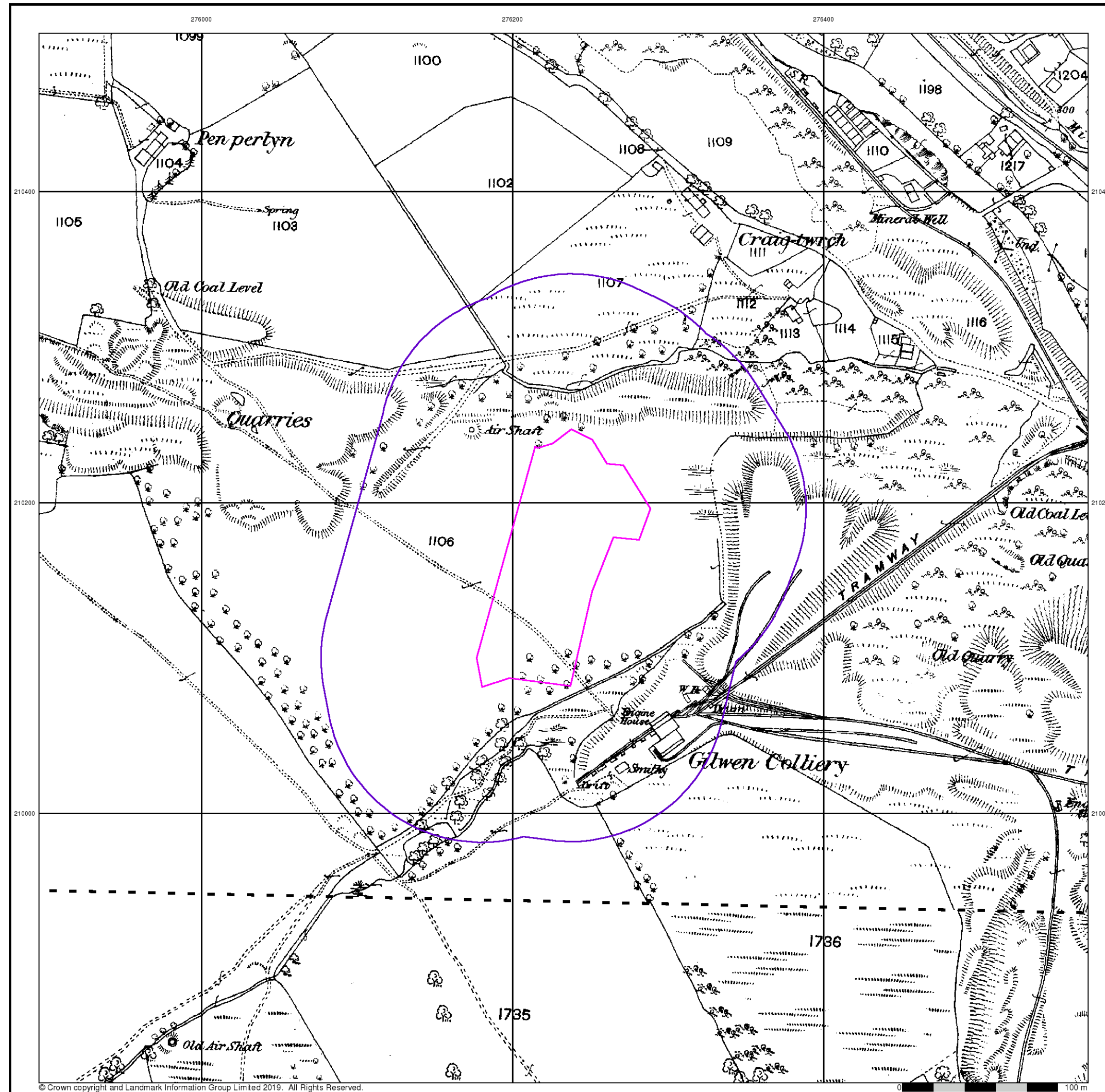
Order Number: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 100

## Site Details

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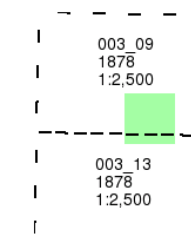
## Glamorganshire

Published 1878

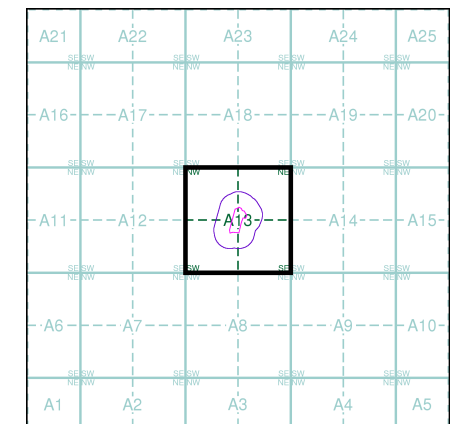
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

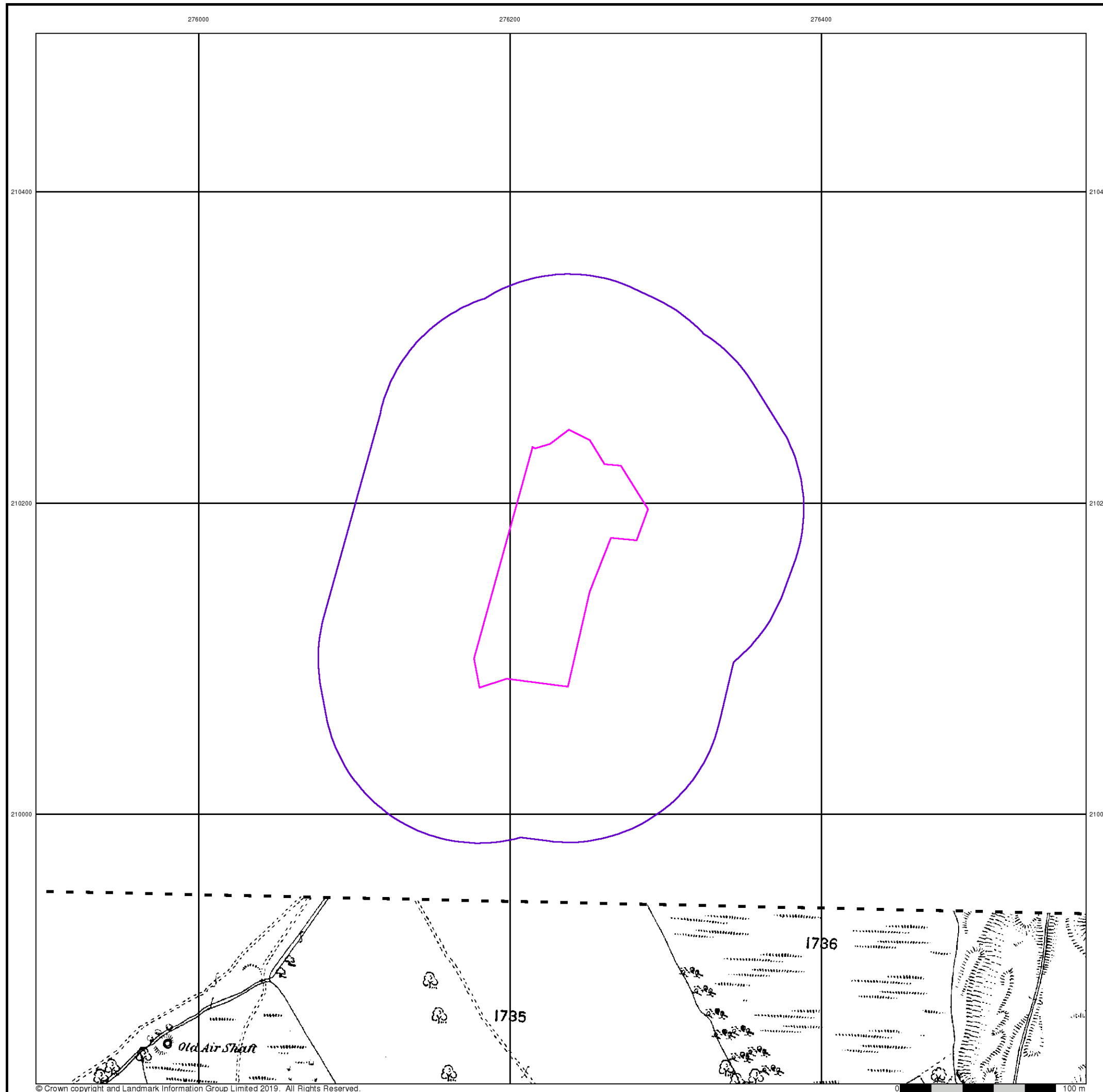
Order Number: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 100

### Site Details

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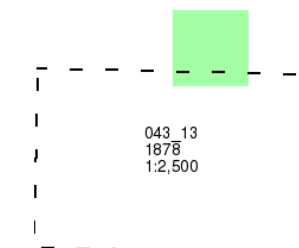
## Brecknockshire

**Published 1878**

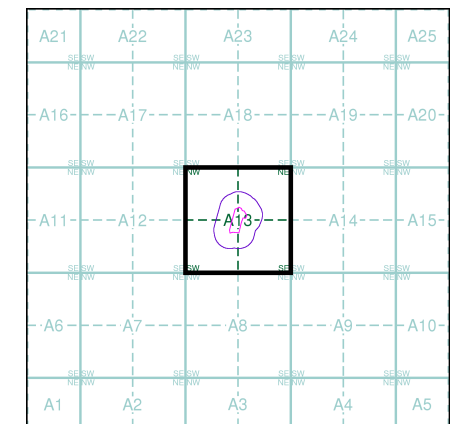
**Source map scale - 1:2,500**

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

### Map Name(s) and Date(s)



## Historical Map - Segment A13



## Order Details

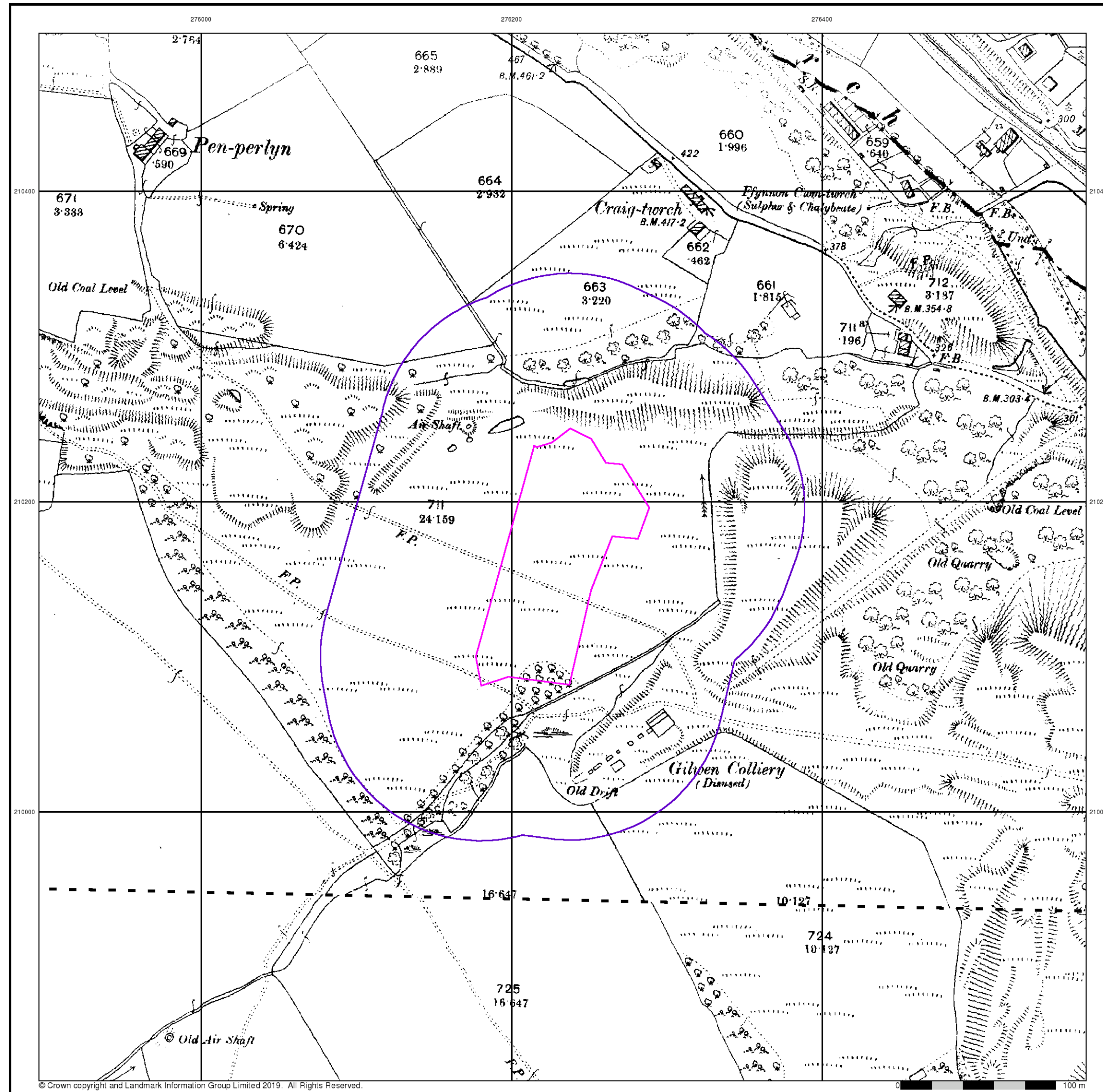
|                          |                |
|--------------------------|----------------|
| Order Number:            | 226985600_1_1  |
| Customer Ref:            | Alpha Planning |
| National Grid Reference: | 276230, 210160 |
| Slice:                   | A              |
| Site Area (Ha):          | 1.03           |
| Search Buffer (m):       | 100            |

## Site Details

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Swansea, SA9 2QT

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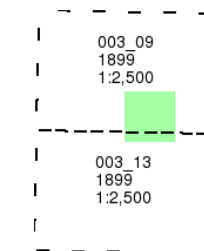
## Glamorganshire

Published 1899

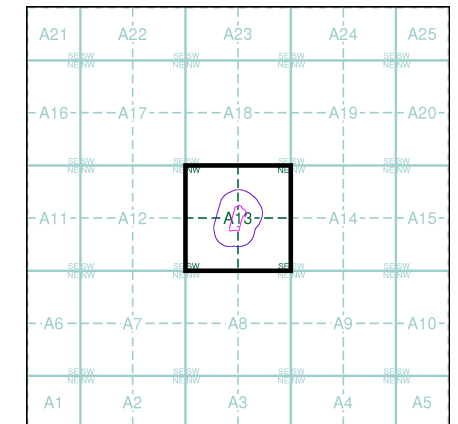
Source map scale - 1:2,500

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

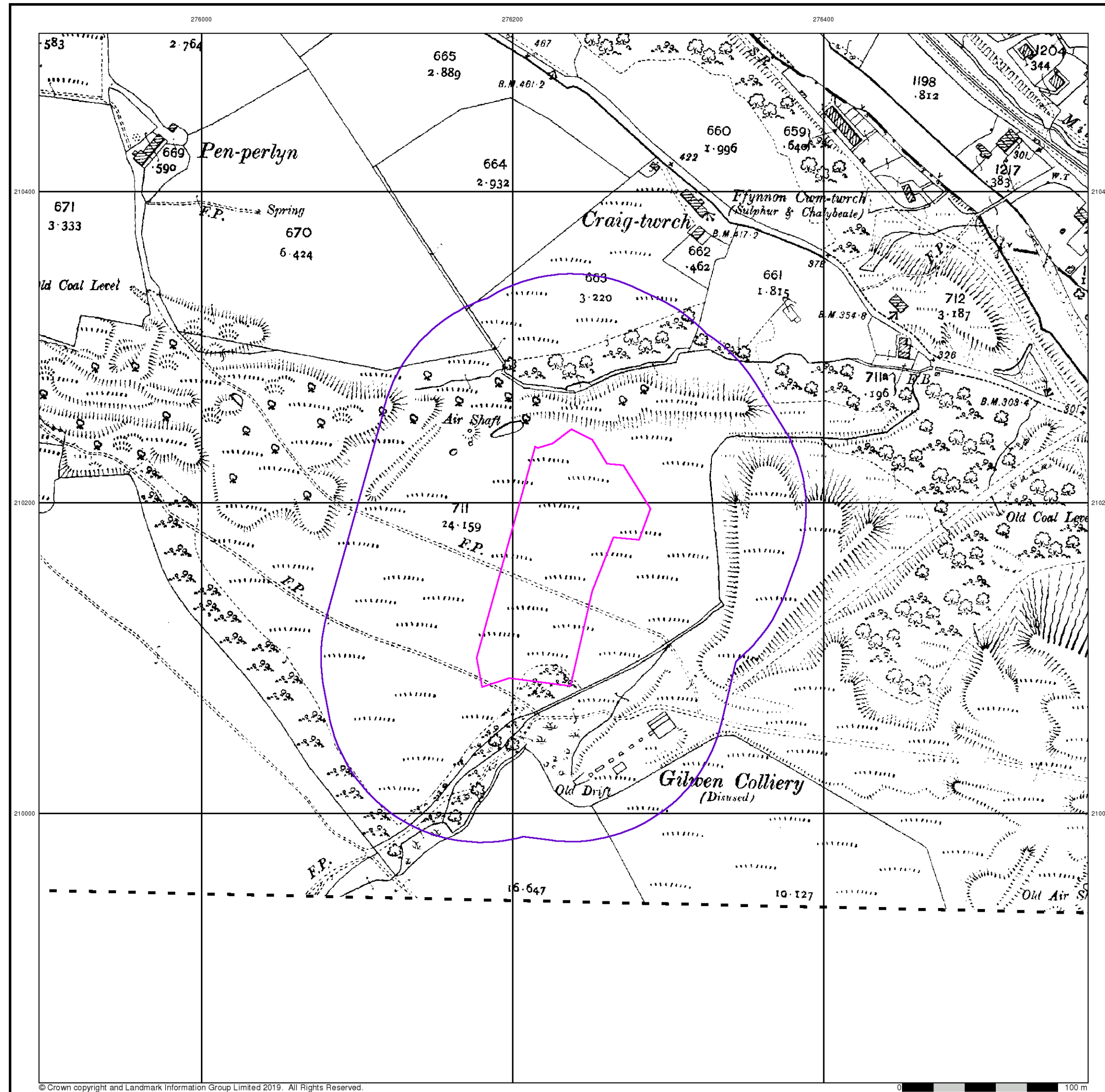


### Order Details

Order Number: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 100

### Site Details

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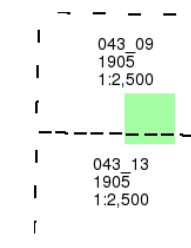
## Brecknockshire

Published 1905

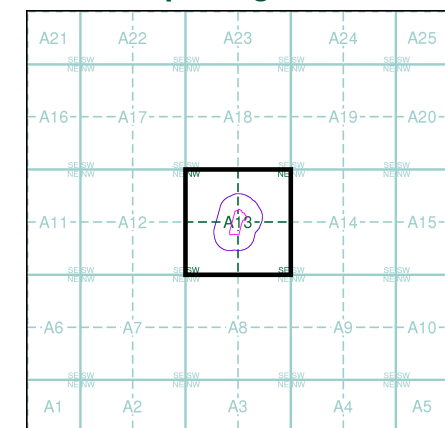
Source map scale - 1:2,500

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

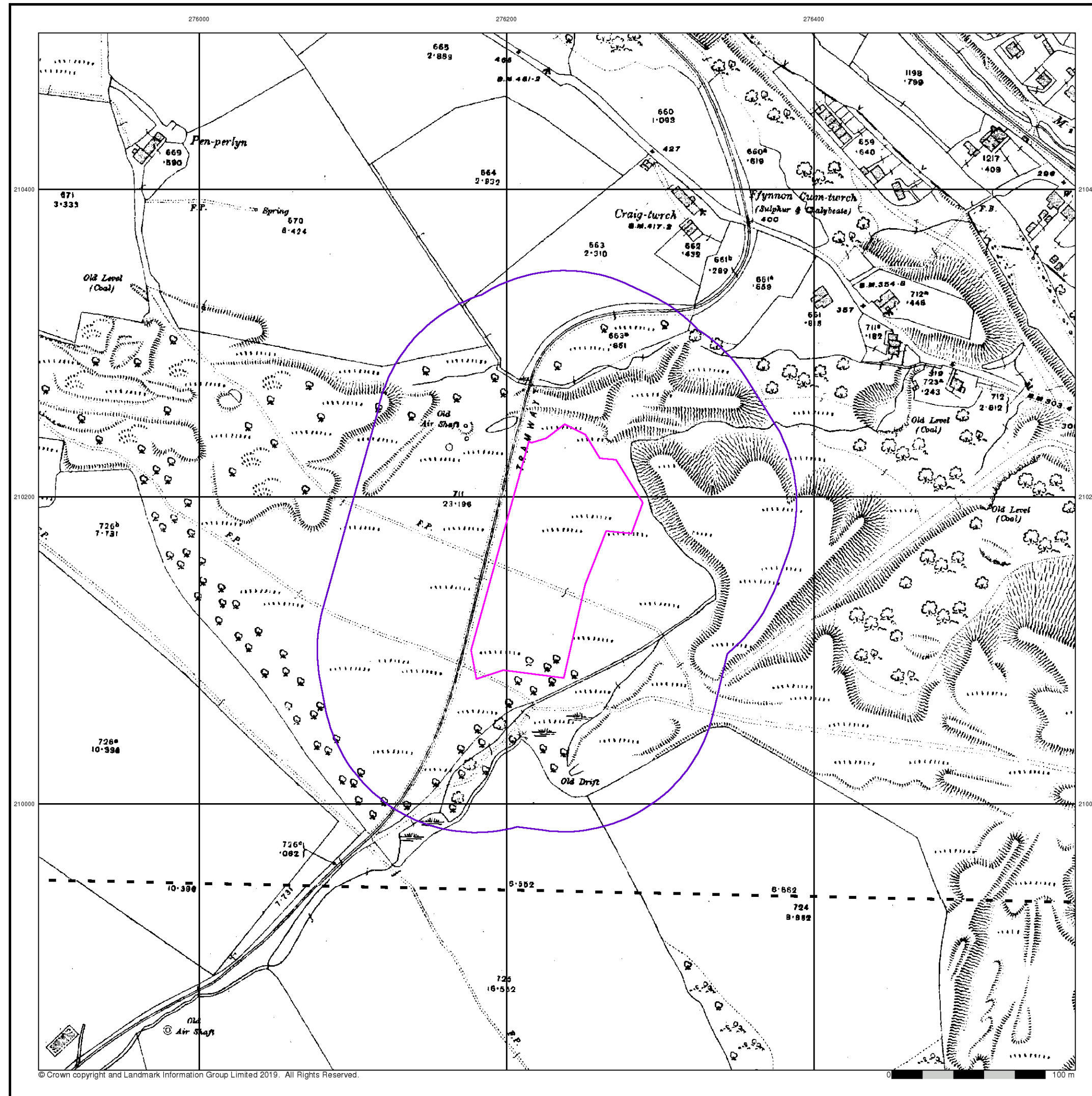
Order Number: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 100

### Site Details

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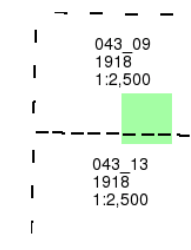
## Brecknockshire

### Published 1918

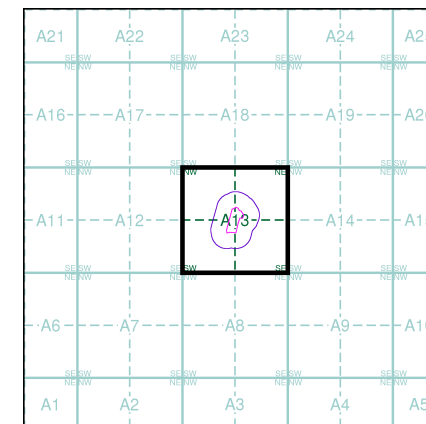
### Source map scale - 1:2,500

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: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 100

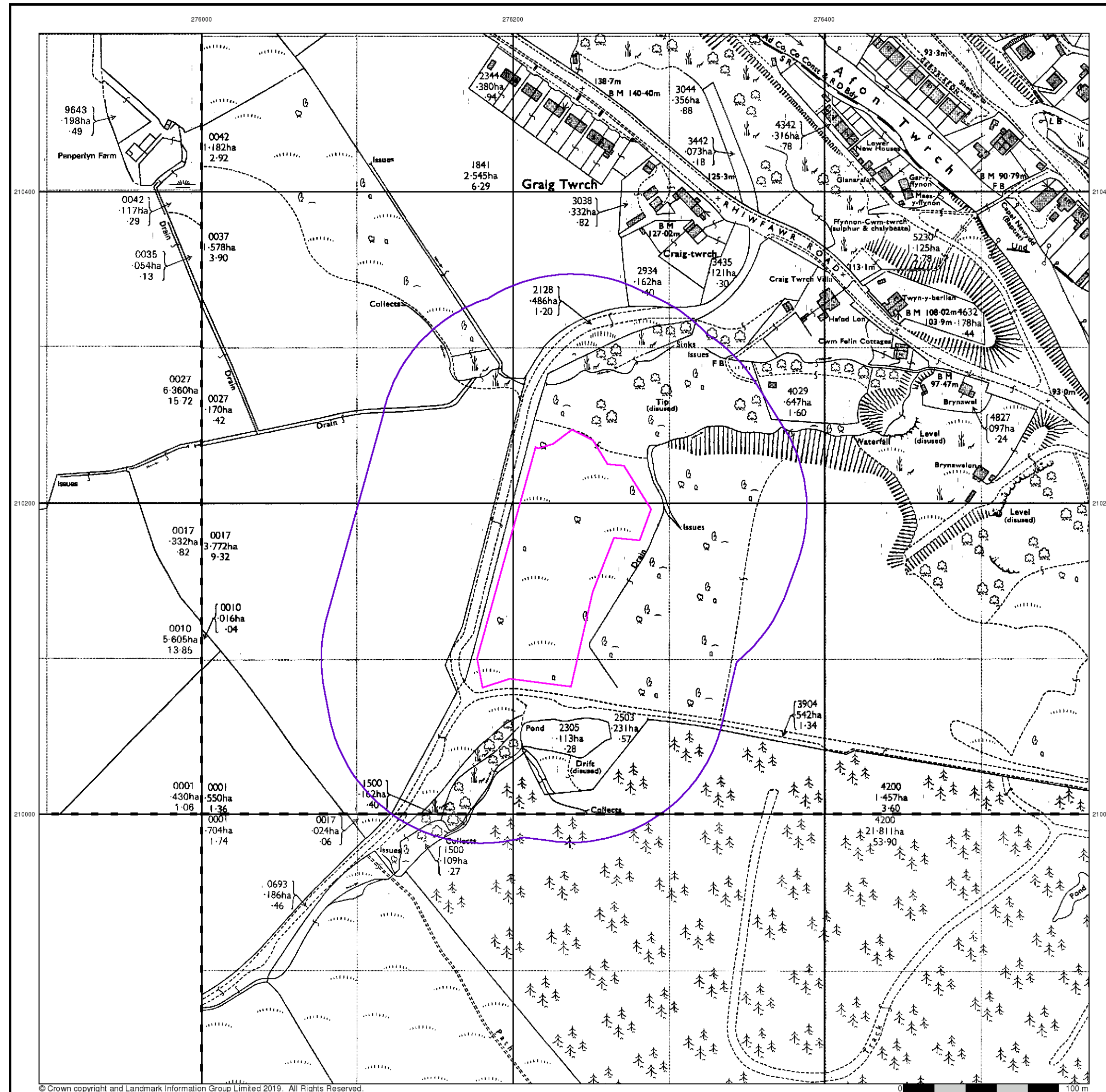
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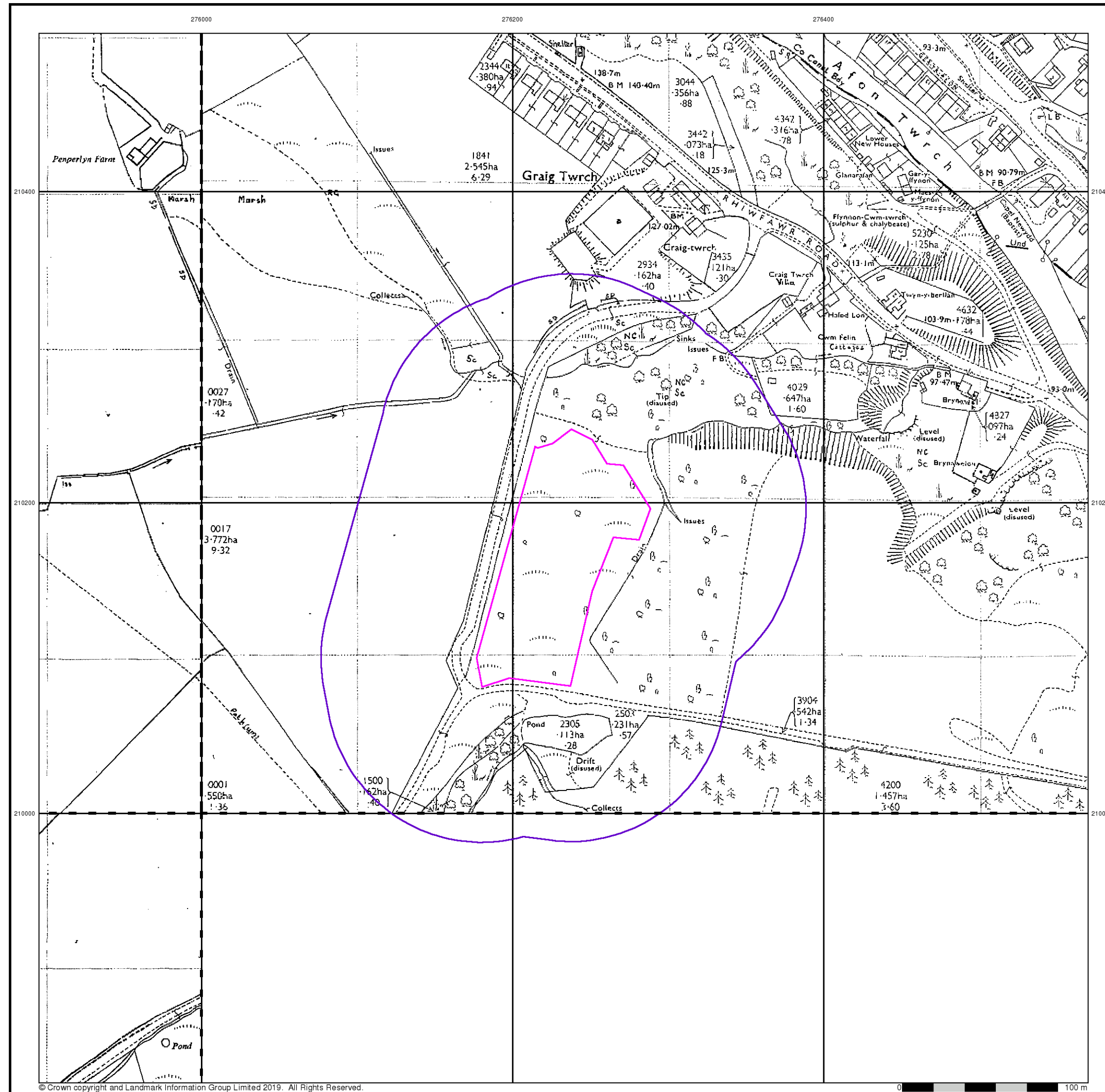
, Graig Twrch Villa, Rhiwfawr Road, Lower Cwmtwrch, Swansea, SA9 2QT

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## Additional SIMs

Published 1984 - 1988

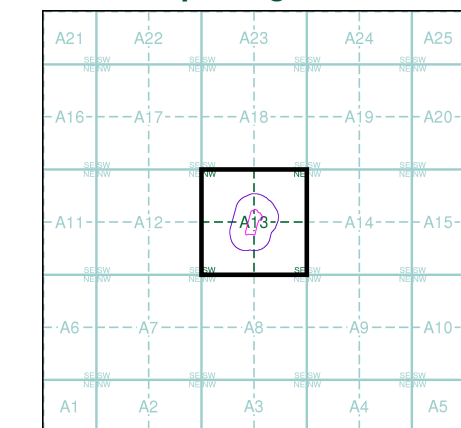
Source map scale - 1:2,500

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)

|                          |                          |
|--------------------------|--------------------------|
| SN7510<br>1984<br>12,500 | SN7610<br>1984<br>12,500 |
| SN7509<br>1988<br>12,500 |                          |

## Historical Map - Segment A13



## Order Details

Order Number: 226985600\_1\_1  
Customer Ref: Alpha Planning  
National Grid Reference: 276230, 210160  
Slice: A  
Site Area (Ha): 1.03  
Search Buffer (m): 100

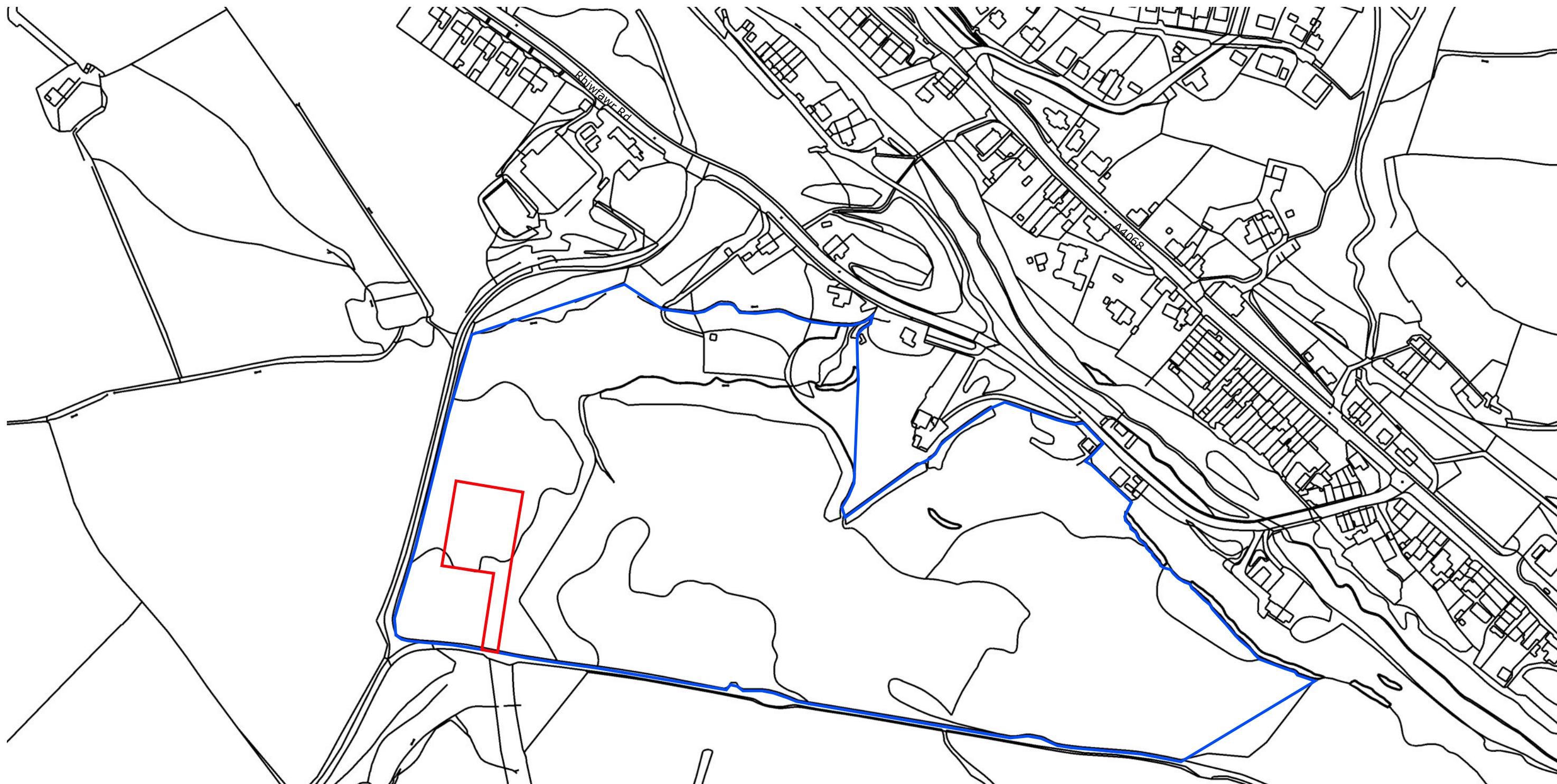
## Site Details

, Graig Twrch Villa, Rhiwfawr Road, Lower Cwmtwrch,  
Swansea, SA9 2QT



# APPENDIX B

## SITE PLANS



SPECIALIST TOWN  
PLANNING SERVICES

33 JAMES STREET  
PORT TALBOT  
SA13 1AW  
WALES

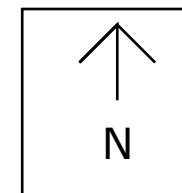
T: 07810 810910  
E: [info@alphapd.co.uk](mailto:info@alphapd.co.uk)  
W: [www.alphapd.co.uk](http://www.alphapd.co.uk)

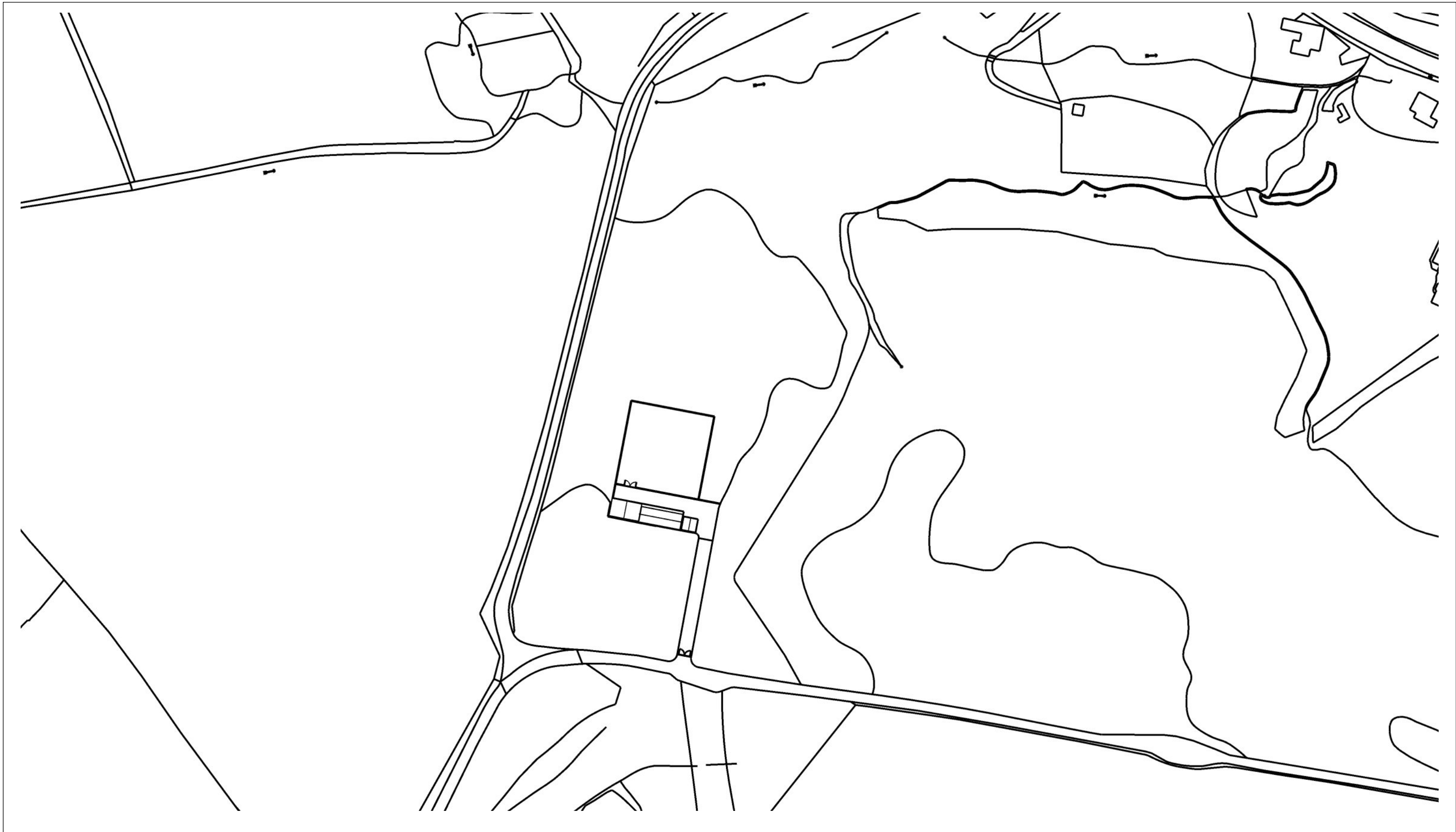
## PROPOSED SITE LOCATION PLAN

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAUR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 01  
SCALE 1:2500 @A3  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A

Blue Land - Other Land Owned by the Applicant  
Red Land - Proposed Development Site





SPECIALIST TOWN  
PLANNING SERVICES

33 JAMES STREET  
PORT TALBOT  
SA13 1AW  
WALES

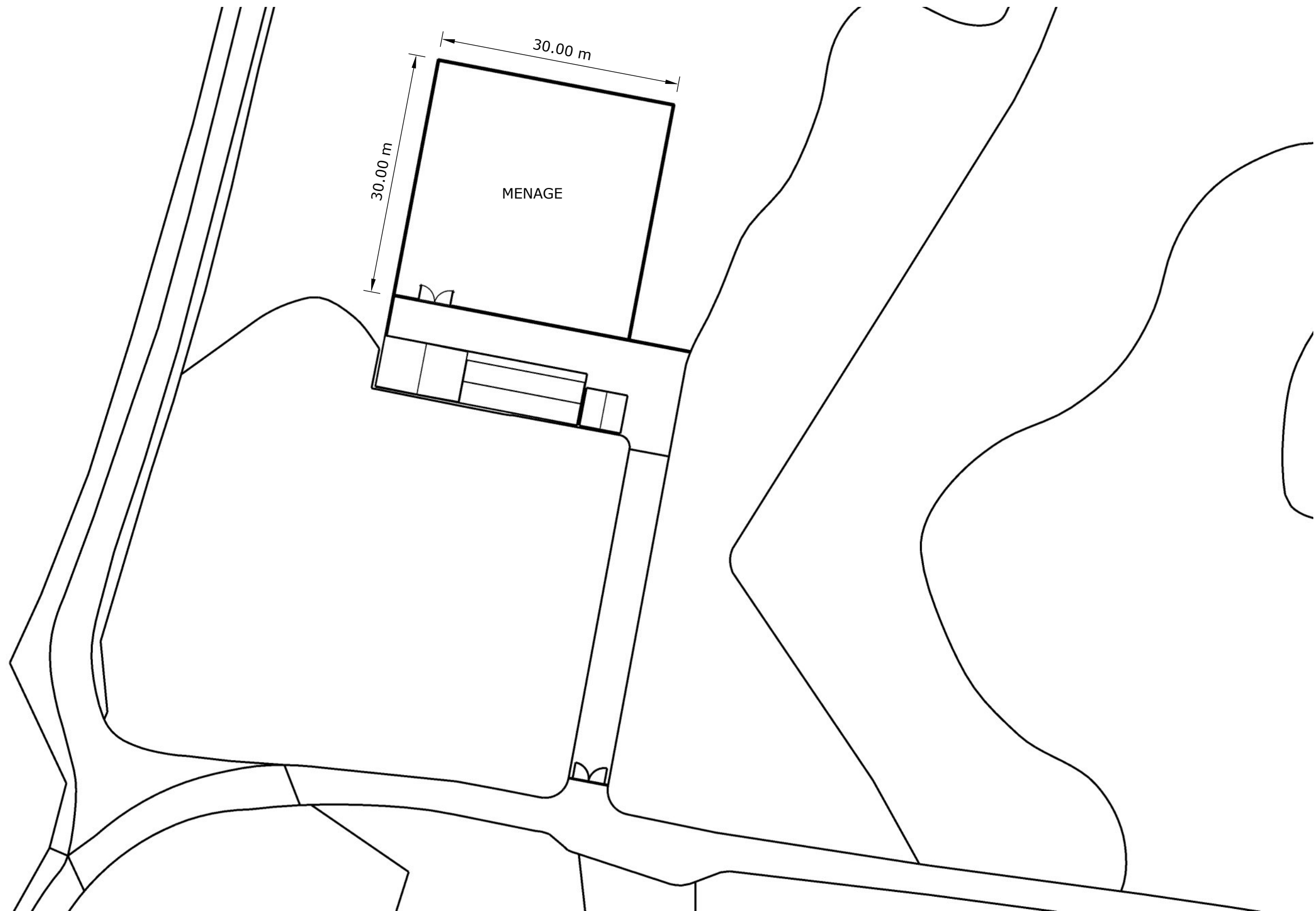
T: 07810 810910  
E: [info@alphapd.co.uk](mailto:info@alphapd.co.uk)  
W: [www.alphapd.co.uk](http://www.alphapd.co.uk)

## PROPOSED SITE LOCATION PLAN

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMWTRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 02  
SCALE 1:1250 @A3  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A





SPECIALIST TOWN  
PLANNING SERVICES

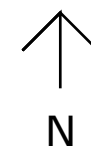
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PORT TALBOT  
SA13 1AW  
WALES

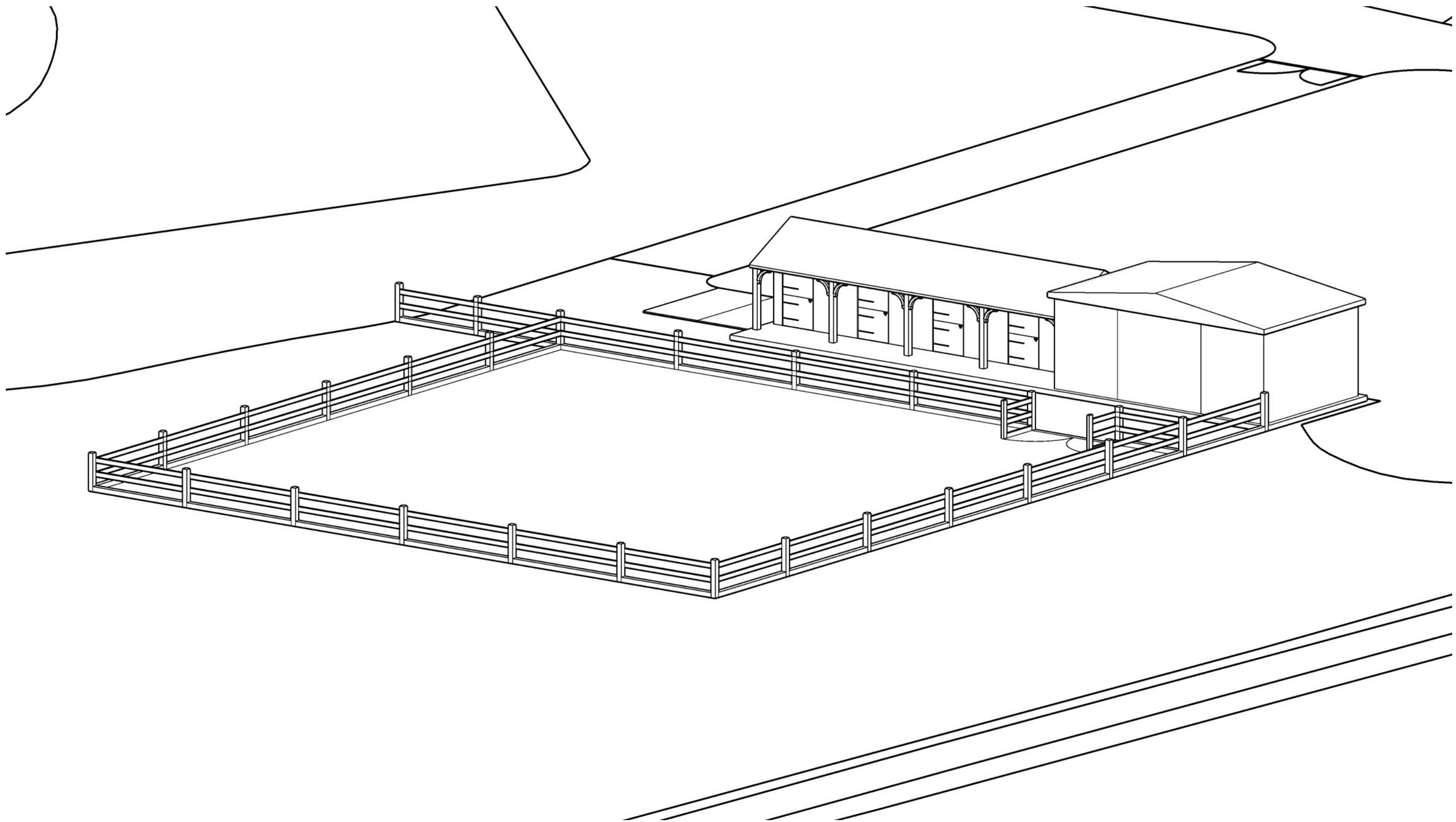
T:07810 810910  
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W: www.alphapd.co.uk

## PROPOSED BLOCK PLAN

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 03  
SCALE 1:500 @A3  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A





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PLANNING SERVICES

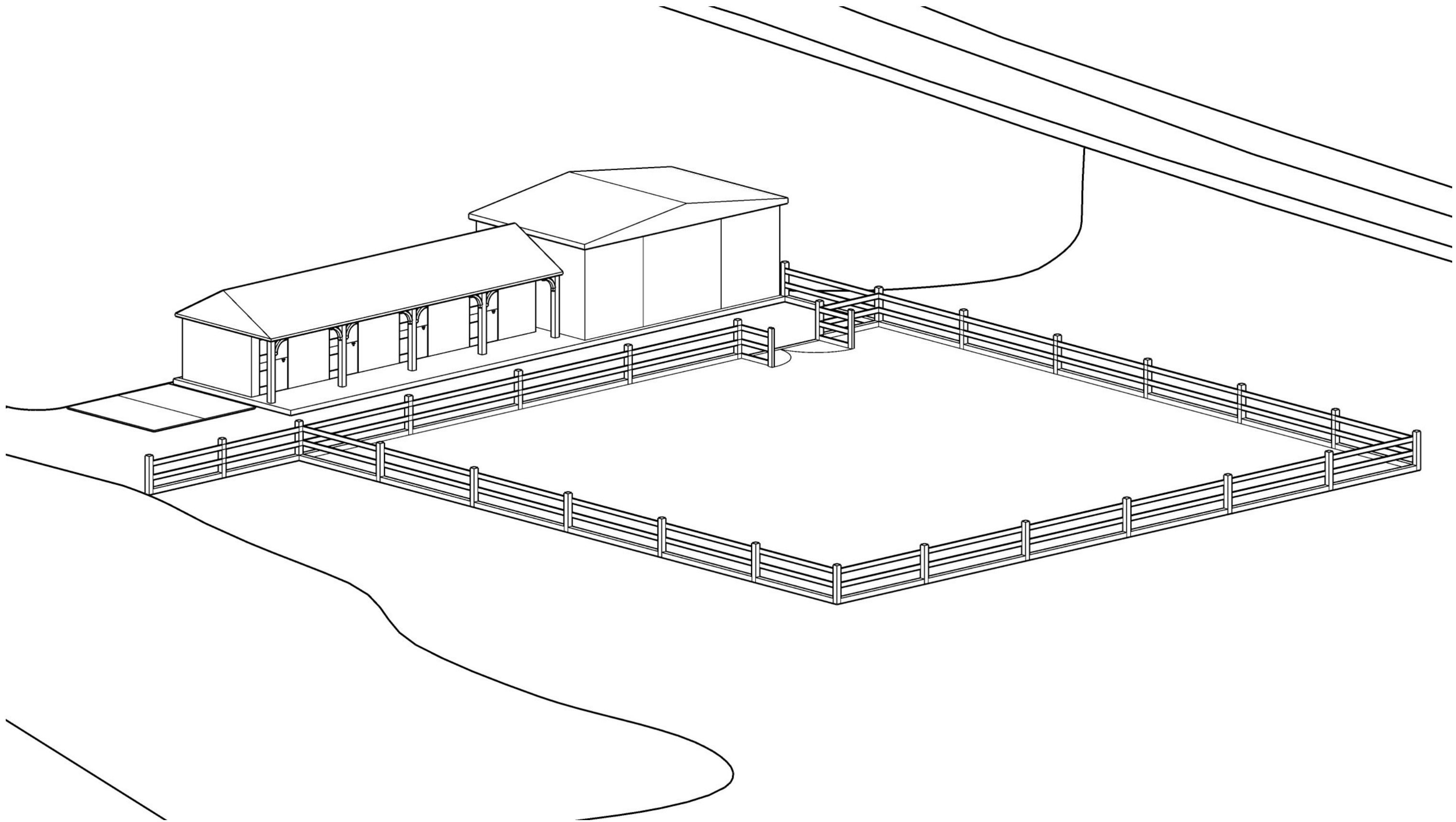
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JOB No. 2019012DA  
DRAWING No. 04  
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DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



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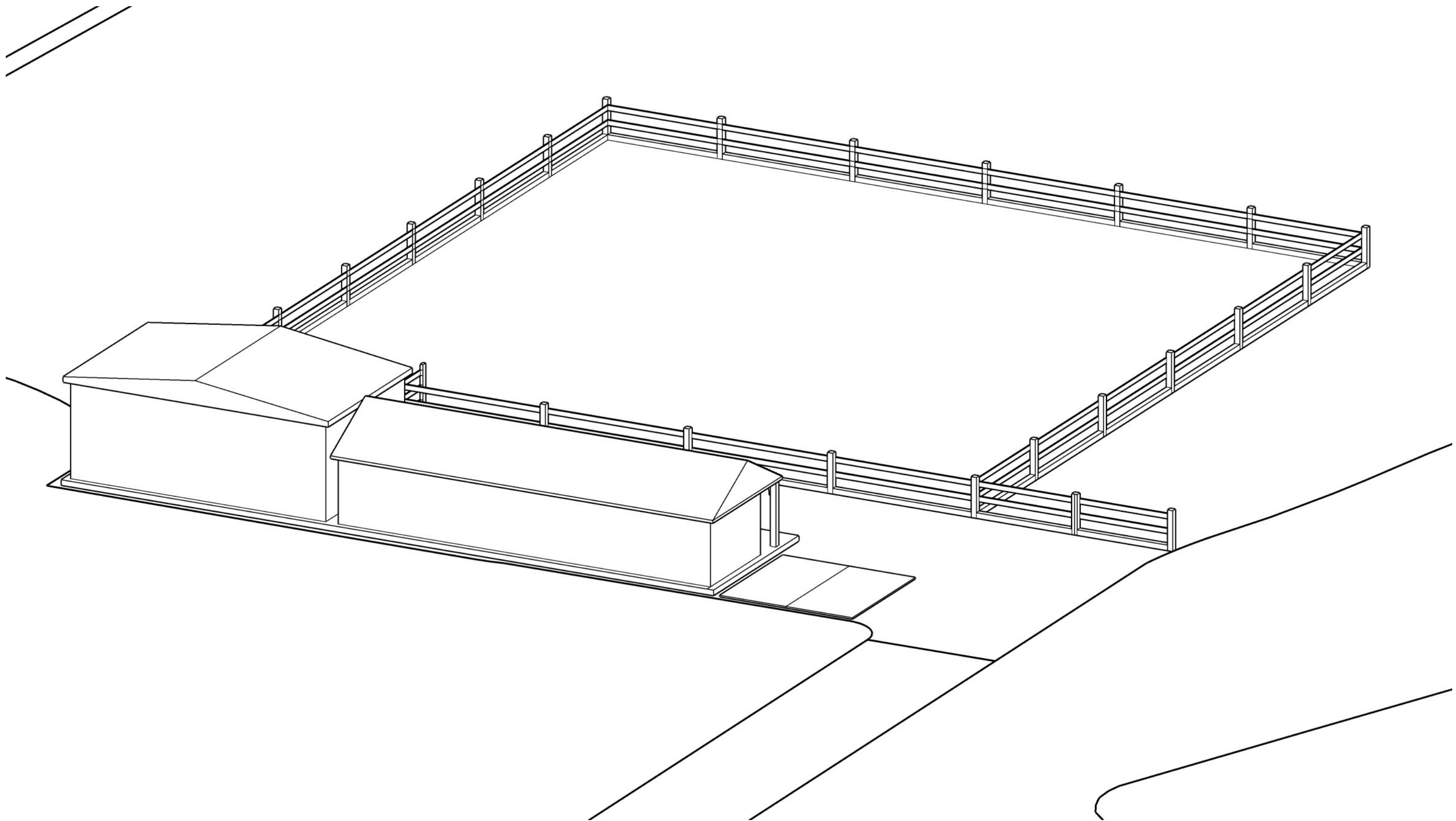
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JOB No. 2019012DA  
DRAWING No. 05  
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DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



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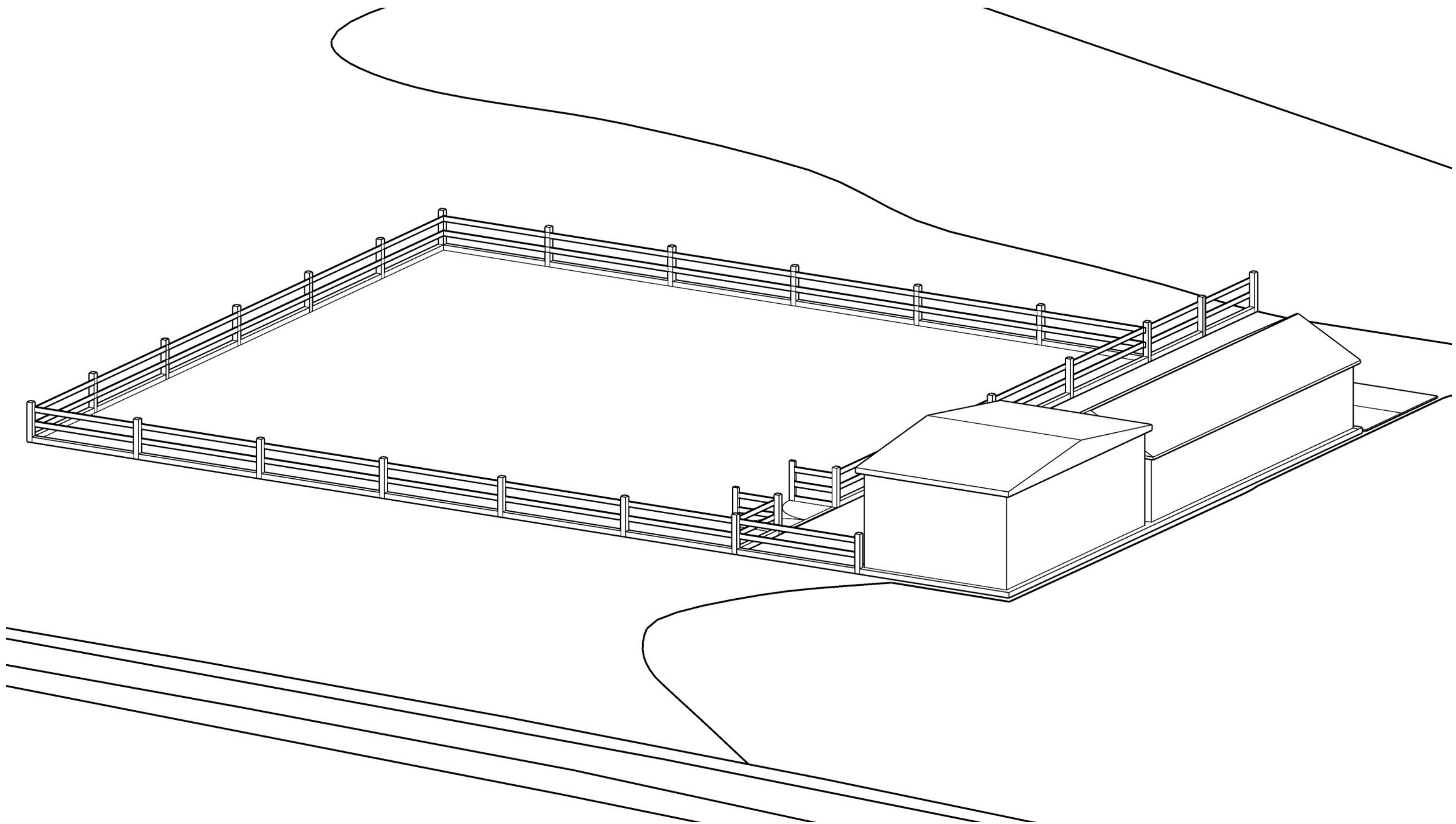
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PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
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CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 06  
SCALE N/A  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
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SPECIALIST TOWN  
PLANNING SERVICES

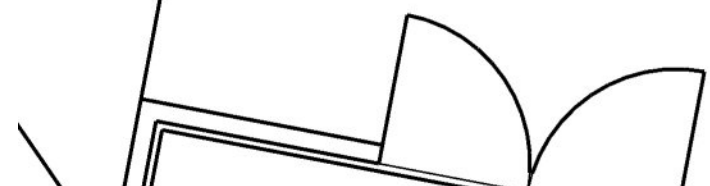
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PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
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CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 07  
SCALE N/A  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



Forecourt to be cut and laid  
with permeable silica menage sand

Storage Barn for paddock  
and forestry maintenance

Four Stables  
3.6 m by 3,6 m

Two Parking Spaces  
4.8 m by 2.6 m



SPECIALIST TOWN  
PLANNING SERVICES

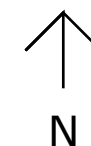
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PORT TALBOT  
SA13 1AW  
WALES

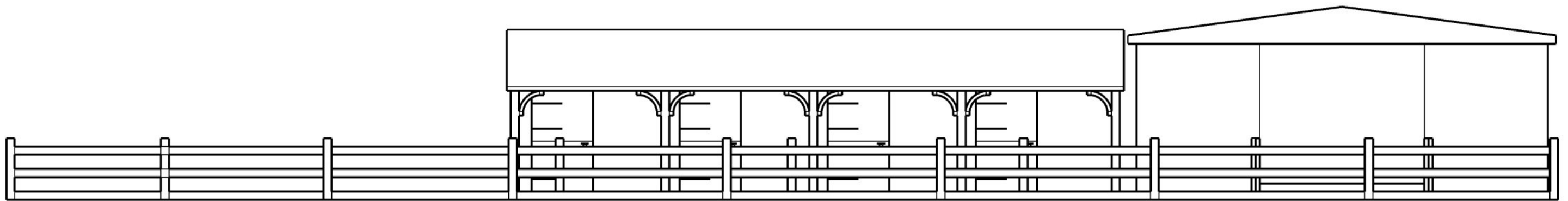
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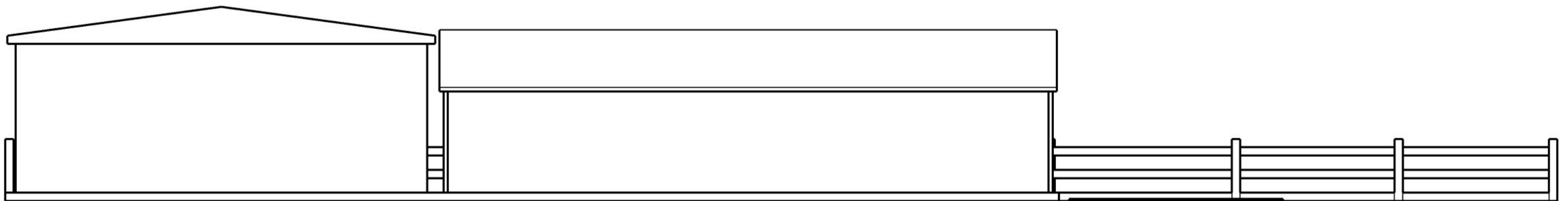
PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 08  
SCALE 1:100 @A3  
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DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A





VIEW LOOKING SOUTH



VIEW LOOKING NORTH



SPECIALIST TOWN  
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## PROPOSED BLOCK PLAN

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 09  
SCALE 1:100 @A3  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



VIEW LOOKING WEST



VIEW LOOKING EAST



SPECIALIST TOWN  
PLANNING SERVICES

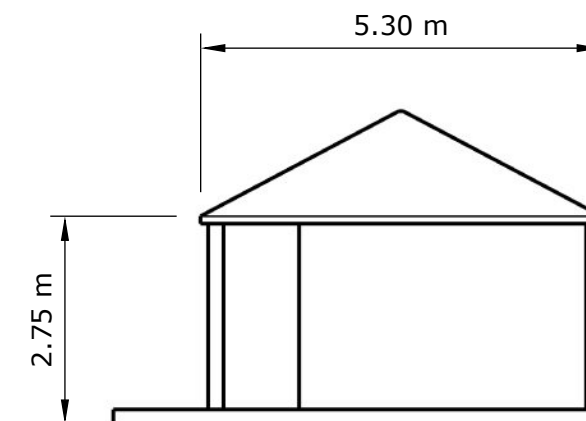
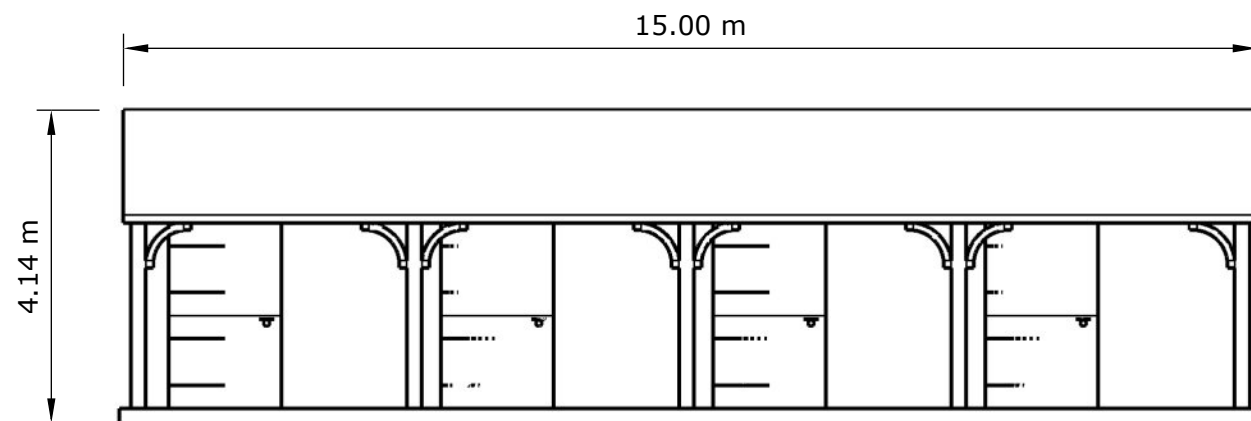
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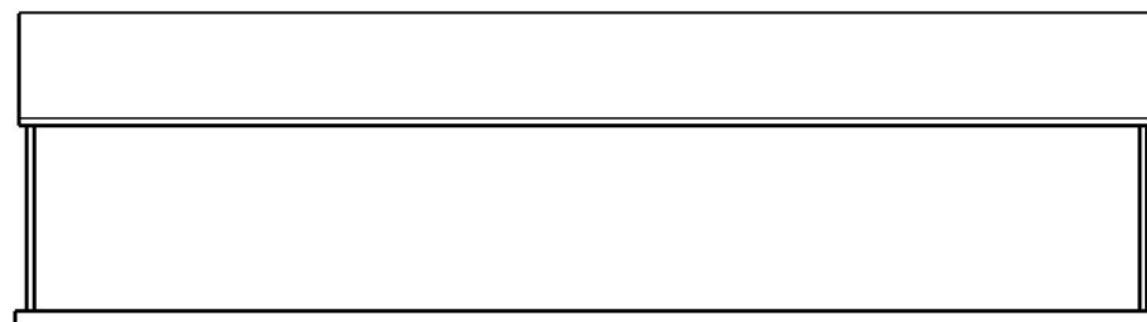
## PROPOSED SID ELEVATION PLAN

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

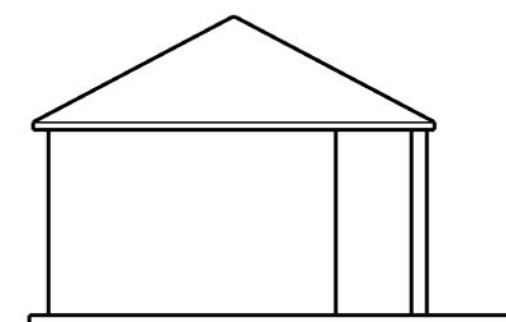
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DRAWING No. 10  
SCALE 1:100 @A3  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



SIDE ELEVATION



REAR ELEVATION



SIDE ELEVATION



SPECIALIST TOWN  
PLANNING SERVICES

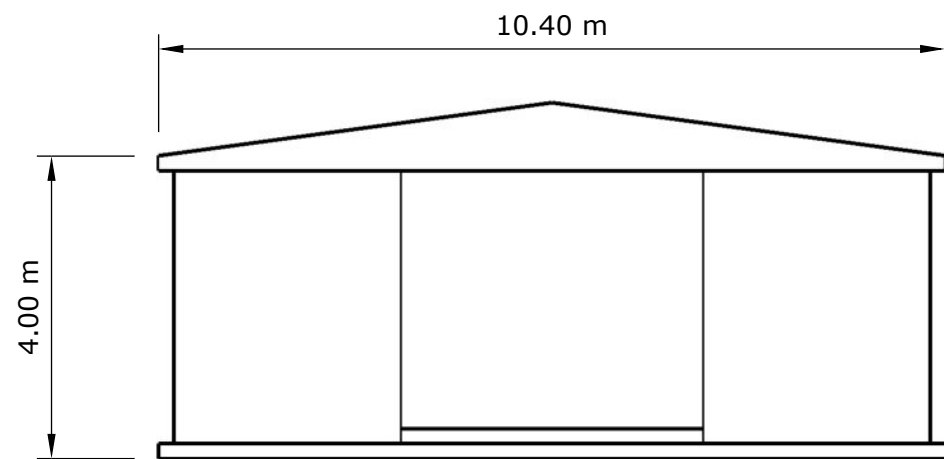
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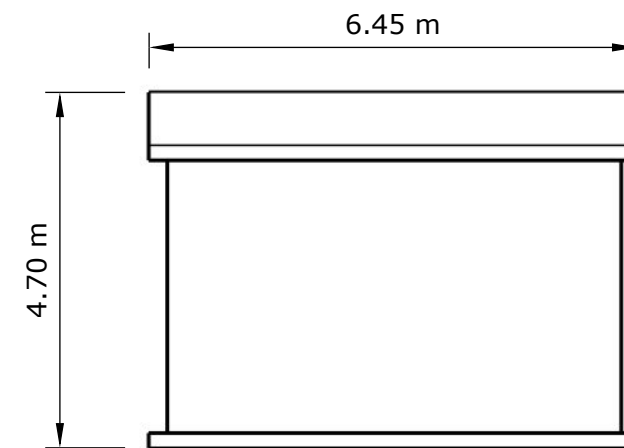
## PROPOSED STABLE ELEVATIONS PLAN

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

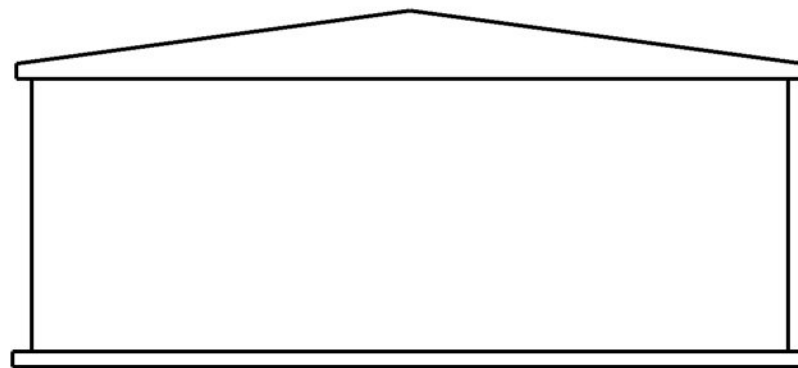
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DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



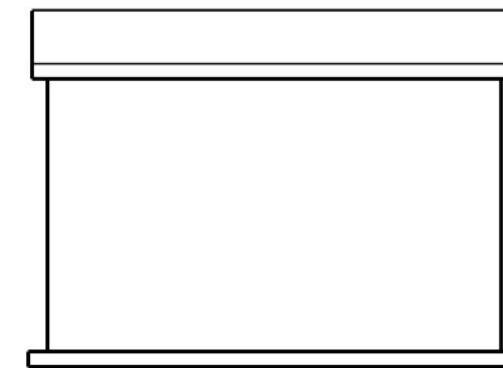
FRONT ELEVATION



SIDE ELEVATION



REAR ELEVATION



SIDE ELEVATION



SPECIALIST TOWN  
PLANNING SERVICES

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## PROPOSED BARN ELEVATION PLANS

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMWTRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 12  
SCALE 1:100 @A3  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



SPECIALIST TOWN  
PLANNING SERVICES

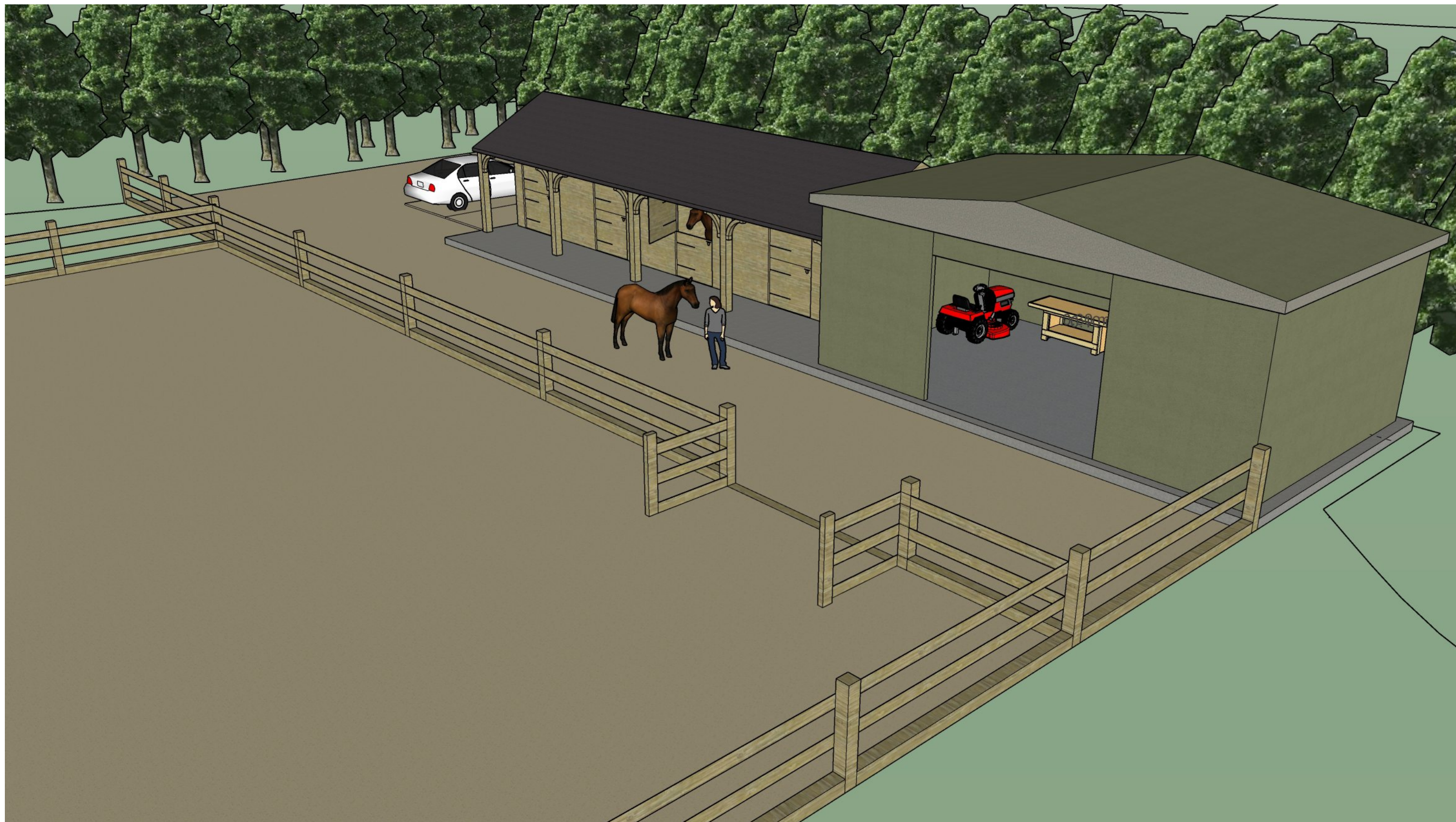
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## PROPOSED STABLES & MENAGE

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 13  
SCALE N/A  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



SPECIALIST TOWN  
PLANNING SERVICES

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PORT TALBOT  
SA13 1AW  
WALES

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W: [www.alphapd.co.uk](http://www.alphapd.co.uk)

## PROPOSED STABLES & MENAGE

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 14  
SCALE N/A  
DATE 19/09/2019  
DRAWER James Banks AssocRTPI  
LPA REFERENCE N/A



SPECIALIST TOWN  
PLANNING SERVICES

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W: [www.alphapd.co.uk](http://www.alphapd.co.uk)

## PROPOSED STABLES & MENAGE

PROJECT DETAILS  
PLANNING APPLICATION  
LAND SOUTH OF  
RHIWFAWR ROAD  
CWMTWRCH  
NEATH PORT TALBOT  
SA9 2QZ

JOB No. 2019012DA  
DRAWING No. 15  
SCALE N/A  
DATE 19/09/2019  
DRAWN James Banks AssocRTPI  
LPA REFERENCE N/A

# APPENDIX C

## ENVIROCHECK REPORT

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

226985600\_1\_1

**Customer Reference:**

Alpha Planning

**National Grid Reference:**

276230, 210160

**Slice:**

A

**Site Area (Ha):**

1.03

**Search Buffer (m):**

1000

#### Site Details:

, Graig Twrch Villa, Rhiwfawr Road  
Lower Cwmtwrch  
Swansea  
SA9 2QT

#### Client Details:

Mr T Williams  
GEO Pollution Technologies  
2-4 Village Court  
Village Farm Ind. Estate  
Pyle  
Bridgend  
Mid Glamorgan  
CF33 6BX

| Report Section        | Page Number |
|-----------------------|-------------|
| Summary               | -           |
| Agency & Hydrological | 1           |
| Waste                 | 43          |
| Hazardous Substances  | -           |
| Geological            | 44          |
| Industrial Land Use   | 51          |
| Sensitive Land Use    | 52          |
| Data Currency         | 54          |
| Data Suppliers        | 59          |
| Useful Contacts       | 60          |

### Introduction

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

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### Report Version v53.0

| Data Type                                                     | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Agency &amp; Hydrological</b>                              |             |         |           |             |                             |
| BGS Groundwater Flooding Susceptibility                       | pg 1        | Yes     | Yes       | Yes         | n/a                         |
| Contaminated Land Register Entries and Notices                |             |         |           |             |                             |
| Discharge Consents                                            | pg 3        |         |           | 3           | 9                           |
| Prosecutions Relating to Controlled Waters                    |             |         | n/a       | n/a         | n/a                         |
| Enforcement and Prohibition Notices                           |             |         |           |             |                             |
| Integrated Pollution Controls                                 |             |         |           |             |                             |
| Integrated Pollution Prevention And Control                   |             |         |           |             |                             |
| Local Authority Integrated Pollution Prevention And Control   |             |         |           |             |                             |
| Local Authority Pollution Prevention and Controls             |             |         |           |             |                             |
| Local Authority Pollution Prevention and Control Enforcements |             |         |           |             |                             |
| Nearest Surface Water Feature                                 | pg 5        |         | Yes       |             |                             |
| Pollution Incidents to Controlled Waters                      | pg 6        |         |           |             | 8                           |
| Prosecutions Relating to Authorised Processes                 |             |         |           |             |                             |
| Registered Radioactive Substances                             |             |         |           |             |                             |
| River Quality                                                 | pg 7        |         | 1         |             | 1                           |
| River Quality Biology Sampling Points                         |             |         |           |             |                             |
| Substantiated Pollution Incident Register                     | pg 7        | 1       |           |             |                             |
| River Quality Chemistry Sampling Points                       |             |         |           |             |                             |
| Water Abstractions                                            | pg 7        |         |           | 3           | (*12)                       |
| Water Industry Act Referrals                                  |             |         |           |             |                             |
| Groundwater Vulnerability Map                                 | pg 11       | Yes     | n/a       | n/a         | n/a                         |
| Bedrock Aquifer Designations                                  | pg 12       | Yes     | n/a       | n/a         | n/a                         |
| Superficial Aquifer Designations                              | pg 12       | Yes     | n/a       | n/a         | n/a                         |
| Source Protection Zones                                       |             |         |           |             |                             |
| Extreme Flooding from Rivers or Sea without Defences          |             |         |           | n/a         | n/a                         |
| Flooding from Rivers or Sea without Defences                  |             |         |           | n/a         | n/a                         |
| Areas Benefiting from Flood Defences                          |             |         |           | n/a         | n/a                         |
| Flood Water Storage Areas                                     |             |         |           | n/a         | n/a                         |
| Flood Defences                                                |             |         |           | n/a         | n/a                         |
| OS Water Network Lines                                        | pg 12       |         | 36        | 20          | 215                         |

| Data Type                                                           | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Waste</b>                                                        |             |         |           |             |                             |
| BGS Recorded Landfill Sites                                         |             |         |           |             |                             |
| Historical Landfill Sites                                           | pg 43       |         |           |             | 2                           |
| Integrated Pollution Control Registered Waste Sites                 |             |         |           |             |                             |
| Licensed Waste Management Facilities (Landfill Boundaries)          |             |         |           |             |                             |
| Licensed Waste Management Facilities (Locations)                    |             |         |           |             |                             |
| Local Authority Landfill Coverage                                   |             | 1       | n/a       | n/a         | n/a                         |
| Local Authority Recorded Landfill Sites                             | pg 43       |         |           |             | 1                           |
| Registered Landfill Sites                                           |             |         |           |             |                             |
| Registered Waste Transfer Sites                                     |             |         |           |             |                             |
| Registered Waste Treatment or Disposal Sites                        |             |         |           |             |                             |
| <b>Hazardous Substances</b>                                         |             |         |           |             |                             |
| Control of Major Accident Hazards Sites (COMAH)                     |             |         |           |             |                             |
| Explosive Sites                                                     |             |         |           |             |                             |
| Notification of Installations Handling Hazardous Substances (NIHHS) |             |         |           |             |                             |
| Planning Hazardous Substance Consents                               |             |         |           |             |                             |
| Planning Hazardous Substance Enforcements                           |             |         |           |             |                             |
| <b>Geological</b>                                                   |             |         |           |             |                             |
| BGS 1:625,000 Solid Geology                                         | pg 44       | Yes     | n/a       | n/a         | n/a                         |
| BGS Recorded Mineral Sites                                          | pg 44       |         | 4         | 7           | 20                          |
| CBSCB Compensation District                                         |             |         | n/a       | n/a         | n/a                         |
| Coal Mining Affected Areas                                          | pg 49       | Yes     | n/a       | n/a         | n/a                         |
| Mining Instability                                                  | pg 49       | 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 49       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Compressible Ground Stability Hazards                 | pg 49       | Yes     |           | n/a         | n/a                         |
| Potential for Ground Dissolution Stability Hazards                  |             |         |           | n/a         | n/a                         |
| Potential for Landslide Ground Stability Hazards                    | pg 49       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Running Sand Ground Stability Hazards                 | pg 50       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards   | pg 50       | Yes     | Yes       | n/a         | n/a                         |
| Radon Potential - Radon Affected Areas                              |             |         | n/a       | n/a         | n/a                         |
| Radon Potential - Radon Protection Measures                         |             |         | n/a       | n/a         | n/a                         |

| Data Type                            | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|--------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Industrial Land Use</b>           |             |         |           |             |                             |
| Contemporary Trade Directory Entries | pg 51       |         |           |             | 6                           |
| Fuel Station Entries                 |             |         |           |             |                             |
| Gas Pipelines                        |             |         |           |             |                             |
| Underground Electrical Cables        |             |         |           |             |                             |
| <b>Sensitive Land Use</b>            |             |         |           |             |                             |
| Ancient Woodland                     | pg 52       |         | 1         | 3           | 14                          |
| 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           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (N)                              | 3                            | 1       | 276228 210250 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (NW)                             | 5                            | 1       | 276200 210200 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (N)                              | 20                           | 1       | 276200 210250 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (S)                              | 32                           | 1       | 276200 210050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (NE)                             | 39                           | 1       | 276300 210250 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (N)                              | 53                           | 1       | 276228 210300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (N)                              | 55                           | 1       | 276250 210300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (E)                              | 62                           | 1       | 276350 210200 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13NW (N)                              | 65                           | 1       | 276200 210300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (NW)                             | 66                           | 1       | 276150 210250 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SE (SE)                             | 71                           | 1       | 276300 210050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13NE (NE)                             | 77                           | 1       | 276300 210300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (S)                              | 82                           | 1       | 276200 210000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13SW (S)                              | 83                           | 1       | 276228 210000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SE (S)                              | 84                           | 1       | 276250 210000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13SW (SW)                             | 87                           | 1       | 276150 210000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13NW (NW)                             | 91                           | 1       | 276150 210300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13NW (N)                              | 103                          | 1       | 276228 210350 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (N)                              | 104                          | 1       | 276250 210350 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (SE)                             | 104                          | 1       | 276300 210000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13NW (NW)                             | 114                          | 1       | 276100 210250 |

| Map ID | Details                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (NW)                             | 131                          | 1       | 276100<br>210300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (S)                              | 132                          | 1       | 276200<br>209950 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (SW)                             | 134                          | 1       | 276050<br>210050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (SW)                             | 154                          | 1       | 276050<br>210000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (SE)                             | 166                          | 1       | 276400<br>210050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (NW)                             | 177                          | 1       | 276050<br>210300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SW (SW)                             | 183                          | 1       | 276000<br>210050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SE (E)                              | 186                          | 1       | 276450<br>210100 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SW (SW)                             | 198                          | 1       | 276000<br>210000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (SE)                             | 211                          | 1       | 276450<br>210050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (SW)                             | 224                          | 1       | 276000<br>209950 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SW (S)                              | 232                          | 1       | 276200<br>209850 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13NE (NE)                             | 289                          | 1       | 276500<br>210400 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SW (SW)                             | 292                          | 1       | 275900<br>210000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13NE (NE)                             | 393                          | 1       | 276550<br>210500 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A14NW (NE)                             | 400                          | 1       | 276600<br>210450 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A8NW (S)                               | 432                          | 1       | 276228<br>209650 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14NW (NE)                             | 442                          | 1       | 276650<br>210450 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14NW (NE)                             | 469                          | 1       | 276650<br>210500 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A8NW (S)                               | 483                          | 1       | 276150<br>209600 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A8NE (S)                               | 496                          | 1       | 276350<br>209600 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 1      | <b>Discharge Consents</b><br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewage Disposal Works<br>Location: Cso 21 Bridge Street, Lower Cwmtwrch, Swansea Valley<br>Authority: Natural Resources Wales<br>Catchment Area: TWRCH - CONF WITH NANT GWYS TO CONF WITH TAWE<br>Reference: Bw2303501<br>Permit Version: 2<br>Effective Date: 31st March 2005<br>Issued Date: 23rd March 2005<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: River Twrch<br><b>Status: Effective</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                    | A14SW (E)                              | 461                          | 2       | 276747 210155 |
| 1      | <b>Discharge Consents</b><br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewage Disposal Works<br>Location: Cso 21 Bridge Street, Lower Cwmtwrch, Swansea Valley<br>Authority: Natural Resources Wales<br>Catchment Area: TWRCH - CONF WITH NANT GWYS TO CONF WITH TAWE<br>Reference: Bw2303501<br>Permit Version: 2<br>Effective Date: 31st March 2005<br>Issued Date: 23rd March 2005<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: River Twrch<br><b>Status: Effective</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                    | A14SW (E)                              | 461                          | 2       | 276747 210155 |
| 1      | <b>Discharge Consents</b><br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Swo.L.Cwmtwrch Pt Soc16<br>Authority: Natural Resources Wales<br>Catchment Area: River Tawe<br>Reference: BW2303501<br>Permit Version: 1<br>Effective Date: 20th October 1989<br>Issued Date: 20th October 1989<br>Revocation Date: 30th March 2005<br>Discharge Type: Unspecified<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: River Twrch<br><b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b><br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                | A14SW (E)                              | 463                          | 2       | 276749 210151 |
| 2      | <b>Discharge Consents</b><br>Operator: Lynda Marks<br>Property Type: Domestic Property (Single)<br>Location: Bush Fields Heol Gleien Upper Cwmt, Heol Gleien, Upper Cwmtwrch, Swansea, Sa9 2uf<br>Authority: Natural Resources Wales<br>Catchment Area: Not Supplied<br>Reference: Bp0326701<br>Permit Version: 1<br>Effective Date: 10th August 2004<br>Issued Date: 9th August 2004<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Afon Twrch<br><b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A18SW (NW)                             | 570                          | 2       | 275910 210717 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 3      | <b>Discharge Consents</b><br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Water Supply Grid<br>Location: Ystalyfera Chlor.Overfl<br>Authority: Natural Resources Wales<br>Catchment Area: Not Supplied<br>Reference: Bp0206001<br>Permit Version: 1<br>Effective Date: 2nd October 1989<br>Issued Date: 2nd October 1989<br>Revocation Date: 17th March 1994<br>Discharge Type: Unspecified<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: To Land<br><b>Status: Consent expired</b><br>Positional Accuracy: Located by supplier to within 100m                               | A8NE (S)                               | 586                          | 2       | 276300 209500 |
| 4      | <b>Discharge Consents</b><br>Operator: Gordon Loynes Plant<br>Property Type: Undefined Or Other<br>Location: Swansea Gilfach Goch Occs Ysta<br>Authority: Natural Resources Wales<br>Catchment Area: River Tawe<br>Reference: Bm0048001<br>Permit Version: 1<br>Effective Date: 26th September 1985<br>Issued Date: 26th September 1985<br>Revocation Date: 10th October 1994<br>Discharge Type: Unspecified<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: Tributary Of River Twrch<br><b>Status: Consent expired</b><br>Positional Accuracy: Located by supplier to within 100m | A8NW (S)                               | 609                          | 2       | 276000 209500 |
| 5      | <b>Discharge Consents</b><br>Operator: Griffiths G & N<br>Property Type: Undefined Or Other<br>Location: Rhiwfawr Opencast Site (Abando<br>Authority: Natural Resources Wales<br>Catchment Area: River Tawe<br>Reference: Bc0015801<br>Permit Version: 1<br>Effective Date: 19th January 1978<br>Issued Date: 19th January 1978<br>Revocation Date: 19th October 1992<br>Discharge Type: Minewater<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: To Underground Strata<br><b>Status: Consent expired</b><br>Positional Accuracy: Located by supplier to within 100m              | A7NW (SW)                              | 737                          | 2       | 275500 209800 |
| 6      | <b>Discharge Consents</b><br>Operator: Jurczyk J<br>Property Type: Undefined Or Other<br>Location: No.2 Rhiw Rd. Mynydd Bach Lower Cwm, Mynydd Bach Lower Cwmtwrch.<br>Authority: Natural Resources Wales<br>Catchment Area: River Tawe<br>Reference: Bp0098501<br>Permit Version: 1<br>Effective Date: 5th August 1988<br>Issued Date: 5th August 1988<br>Revocation Date: 25th July 1994<br>Discharge Type: Unspecified<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: To Land<br><b>Status: Consent expired</b><br>Positional Accuracy: Located by supplier to within 100m     | A17SE (NW)                             | 764                          | 2       | 275700 210800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 7      | <b>Discharge Consents</b><br>Operator: Delves Solid Fuels (Sw) Ltd<br>Property Type: Coal Extraction, Surface<br>Location: Pontardawe Gilfach Yr Haidd Occs (A, Gilfach Yr Haidd Occs (A) (Ab<br>Authority: Natural Resources Wales<br>Catchment Area: River Tawe<br>Reference: Bm0025401<br>Permit Version: 1<br>Effective Date: 17th August 1982<br>Issued Date: 17th August 1982<br>Revocation Date: 28th February 1992<br>Discharge Type: Minewater<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: Unnamed Trib Of River Twrch<br><b>Status: Consent expired</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                           | A7SE (SW)                              | 801                          | 2       | 275760 209400 |
| 8      | <b>Discharge Consents</b><br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Cwmtwrch Swo Ystradgynlais Ystradgy, Ystradgynlais Ystradgynlais S.<br>Authority: Natural Resources Wales<br>Catchment Area: TWRCH - CONF WITH NANT GWYS TO CONF WITH TAWE<br>Reference: BW0601101<br>Permit Version: 1<br>Effective Date: 16th November 1977<br>Issued Date: 16th November 1977<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: River Twrch<br><b>Status: Effective</b><br>Positional Accuracy: Located by supplier to within 100m | A17NE (NW)                             | 816                          | 2       | 275770 210920 |
| 8      | <b>Discharge Consents</b><br>Operator: Dwr Cymru Cyfyngedig<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Cwmtwrch Swo Ystradgynlais Ystradgy, Ystradgynlais Ystradgynlais S.<br>Authority: Natural Resources Wales<br>Catchment Area: TWRCH - CONF WITH NANT GWYS TO CONF WITH TAWE<br>Reference: Bw0601101<br>Permit Version: 1<br>Effective Date: 16th November 1977<br>Issued Date: 16th November 1977<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: River Twrch<br><b>Status: Effective</b><br>Positional Accuracy: Located by supplier to within 10m  | A17NE (NW)                             | 816                          | 2       | 275770 210920 |
| 9      | <b>Discharge Consents</b><br>Operator: Delves Solid Fuels (Sw) Ltd<br>Property Type: Coal Extraction, Surface<br>Location: Pontardawe Gilfach Yr Haidd Occs (B, Gilfach Yr Haidd Occs (B) (Ab<br>Authority: Natural Resources Wales<br>Catchment Area: River Tawe<br>Reference: Bm0025402<br>Permit Version: 1<br>Effective Date: 17th August 1982<br>Issued Date: 17th August 1982<br>Revocation Date: 28th February 1992<br>Discharge Type: Minewater<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: Unnamed Trib Of River Twrch<br><b>Status: Consent expired</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                           | A7SE (SW)                              | 968                          | 2       | 275610 209300 |
|        | <b>Nearest Surface Water Feature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A13SE (SE)                             | 6                            | -       | 276265 210136 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 10     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Lower Cwmtwrch<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Sewage Fungus<br>Note: Inadequate Design/Capacity<br>Incident Date: 31st July 1995<br>Incident Reference: 25171<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                              | A14SW (E)                              | 619                          | 3       | 276900 210100 |
| 10     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Oils - Diesel (Including Agricultural)<br>Note: Inadequate Design/Capacity<br>Incident Date: 31st July 1995<br>Incident Reference: 25171<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A14SW (E)                              | 620                          | 3       | 276900 210095 |
| 11     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Company Sewage: Storm Overflow<br>Location: 20 M Below Lower, Bryn Morgan Bridge<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Sullage<br>Note: Blocked Sewer<br>Incident Date: 15th November 1994<br>Incident Reference: 21785<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Overflow<br>Incident Severity: Category 2 - Significant Incident<br>Positional Accuracy: Located by supplier to within 100m     | A18SW (NW)                             | 646                          | 3       | 275900 210800 |
| 12     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Brombil Area, YSTALYFERA<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Mud/Clay/Soil<br>Note: Accidental Spillage/Leakage<br>Incident Date: 6th September 1996<br>Incident Reference: 29847<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Runoff<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                | A17SE (NW)                             | 757                          | 3       | 275705 210795 |
| 12     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: 41 Danygraig, Lower Cwmtwrch<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Mud/Clay/Soil<br>Note: Accidental Spillage/Leakage<br>Incident Date: 6th September 1996<br>Incident Reference: 29847<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Runoff<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                            | A17SE (NW)                             | 760                          | 3       | 275700 210795 |
| 12     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Passes St David Road, YSTALYFERA<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Mud/Clay/Soil<br>Note: Accidental Spillage/Leakage<br>Incident Date: 6th September 1996<br>Incident Reference: 29847<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Runoff<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                        | A17SE (NW)                             | 760                          | 3       | 275705 210800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 12     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Cwmtwrch<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Crude Sewage<br>Note: Accidental Spillage/Leakage<br>Incident Date: 6th September 1996<br>Incident Reference: 29847<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Runoff<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                                    | A17SE (NW)                             | 764                          | 3       | 275700 210800 |
| 13     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Behind And Down Stream Of, Old Tredegar Arms<br>Authority: Environment Agency, Welsh Region<br>Pollutant: Unknown<br>Note: Not Supplied<br>Incident Date: 26th August 1994<br>Incident Reference: 21333<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                     | A14SE (E)                              | 818                          | 3       | 277100 210100 |
|        | <b>River Quality</b><br>Name: Twrch<br>GQA Grade: River Quality A<br>Reach: Conf.Tawe - Conf.Nantllynfell<br>Estimated Distance (km): 4.2<br>Flow Rate: Flow less than 5 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A13NE (NE)                             | 133                          | 3       | 276358 210324 |
|        | <b>River Quality</b><br>Name: Nant Gwys<br>GQA Grade: River Quality B<br>Reach: Conf.Twrch - Gelli Farm<br>Estimated Distance (km): 3.5<br>Flow Rate: Flow less than 0.62 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A23SE (N)                              | 971                          | 3       | 276358 211210 |
| 14     | <b>Substantiated Pollution Incident Register</b><br>Authority: Natural Resources Wales<br>Incident Date: 27th March 2002<br>Incident Reference: 66992<br>Water Impact: Category 2 - Significant Incident<br>Air Impact: Category 4 - No Impact<br>Land Impact: Category 4 - No Impact<br>Positional Accuracy: Located by supplier to within 10m<br>Pollutant: Contaminated Water: Suspended Solids                                                                                                                                                                                                                                                                                         | A13SW (S)                              | 0                            | 2       | 276230 210090 |
| 15     | <b>Water Abstractions</b><br>Operator: Tawe And Tributaries Angling Association Limited<br>Licence Number: 22/59/1/0101<br>Permit Version: 101<br>Location: Trib Of Twrch (Lower Cwmtwrch Hatchery)<br>Authority: Natural Resources Wales<br>Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 17th November 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13NE (E)                              | 279                          | 2       | 276560 210260 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 15     | <b>Water Abstractions</b><br>Operator: Tawe and Tributaries Angling Association<br>Licence Number: 22/59/1/0101<br>Permit Version: 100<br>Location: Trib Of Twrch (Lower Cwmtwrch Hatchery)<br>Authority: Environment Agency, Welsh Region<br>Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Trib Of Twrch (Lower Cwmtwrch Hatchery)<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A13NE (E)                              | 279                          | 3       | 276560 210260 |
| 15     | <b>Water Abstractions</b><br>Operator: Tawe And Tributaries Angling Association Limited<br>Licence Number: 22/59/1/0101<br>Permit Version: Not Supplied<br>Location: Lower Cwmtwrch Hatchery<br>Authority: Natural Resources Wales<br>Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                       | A13NE (E)                              | 279                          | 2       | 276560 210260 |
|        | <b>Water Abstractions</b><br>Operator: Hargreaves Industrial Services Limited<br>Licence Number: 22/59/1/0078<br>Permit Version: 100<br>Location: River Twrch At Tirbach Washery<br>Authority: Environment Agency, Welsh Region<br>Abstraction: Extractive: Mineral Washing<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: River Twrch At Tirbach Washery<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th August 1973<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                     | A10SW (SE)                             | 1222                         | 3       | 277250 209400 |
|        | <b>Water Abstractions</b><br>Operator: Thomas & Sons (Minerals) Ltd<br>Licence Number: 22/59/1/0086<br>Permit Version: 100<br>Location: Spring Within Factory Boundaries<br>Authority: Environment Agency, Welsh Region<br>Abstraction: Food And Drink: Water Bottling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Spring Within Factory Boundaries<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 6th August 1990<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                     | A4NW (SE)                              | 1296                         | 3       | 276790 208910 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Kevin Jones<br>Licence Number: Wa/059/0001/006<br>Permit Version: Not Supplied<br>Location: Not Supplied<br>Authority: Natural Resources Wales<br>Abstraction: Electricity: Hydro-electric Power Generation - Very Low<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                          | A10SW (SE)                             | 1324                         | 2       | 277260 209242 |
|        | <b>Water Abstractions</b><br>Operator: Kevin Jones<br>Licence Number: Wa/059/0001/007<br>Permit Version: Not Supplied<br>Location: Not Supplied<br>Authority: Natural Resources Wales<br>Abstraction: Electricity: Hydro-electric Power Generation - Very Low<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                          | A10SW (SE)                             | 1324                         | 2       | 277260 209242 |
|        | <b>Water Abstractions</b><br>Operator: Mr KJ Jones<br>Licence Number: Wa/059/0001/004<br>Permit Version: 1<br>Location: Afon Twrch, Gurnos Viaduct, Gurnos, Ystalyfer - Hep<br>Authority: Natural Resources Wales<br>Abstraction: Production Of Energy: Hydroelectric Power Generation<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 8th June 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A10SW (SE)                             | 1332                         | 2       | 277256 209225 |
|        | <b>Water Abstractions</b><br>Operator: Kevin Jones<br>Licence Number: Wa/059/0001/004<br>Permit Version: Not Supplied<br>Location: Not Supplied<br>Authority: Natural Resources Wales<br>Abstraction: Production Of Energy: Hydroelectric Power Generation<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                              | A10SW (SE)                             | 1332                         | 2       | 277256 209225 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Brendan Coles<br>Licence Number: Wa/059/0001/0025<br>Permit Version: Not Supplied<br>Location: Ystalyfera Hydro, Pant-Y-Gwand, Ystalyfera, Neath Port Talbot, Sa9 2nl<br>Authority: Natural Resources Wales<br>Abstraction: Production Of Energy: Hydroelectric Power Generation<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A3SE (S)                               | 1427                         | 2       | 276243 208656 |
|        | <b>Water Abstractions</b><br>Operator: Brendan Coles<br>Licence Number: Wa/059/0001/0026<br>Permit Version: Not Supplied<br>Location: Ystalyfera Hydro, 4 Wernwood Road, Ystalyfera, Swansea, Neath Port Talbot, Sa9 2ne<br>Authority: Natural Resources Wales<br>Abstraction: Impounding<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                               | A3SE (S)                               | 1427                         | 2       | 276243 208656 |
|        | <b>Water Abstractions</b><br>Operator: Taylor Woodrow Civil Eng. Ltd<br>Licence Number: 22/59/1/0116<br>Permit Version: 101<br>Location: Unnamed Trib Of Nant Gwys<br>Authority: Environment Agency, Welsh Region<br>Abstraction: Extractive: Dust Suppression<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Unnamed Tributary Of Nant Gwys<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 12th September 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                | A23NW (N)                              | 1584                         | 3       | 276210 211830 |
|        | <b>Water Abstractions</b><br>Operator: Mrs J Davies<br>Licence Number: 22/59/1/0097<br>Permit Version: 100<br>Location: Afon Twrch<br>Authority: Environment Agency, Welsh Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: River Tawe<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd June 1997<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                        | A4SE (SE)                              | 1674                         | 3       | 277180 208700 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Mrs J Davies<br>Licence Number: 22/59/1/0097<br>Permit Version: 100<br>Location: River Tawe<br>Authority: Environment Agency, Welsh Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Afon Twrch<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd June 1997<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                     | A5SW (SE)                              | 1916                         | 3       | 277400<br>208560 |
|        | <b>Water Abstractions</b><br>Operator: Taylor Woodrow Civil Eng. Ltd<br>Licence Number: 22/59/1/0116<br>Permit Version: 101<br>Location: Inland Water, Unnamed Trib Of Nantgwys, Ystradgynlais<br>Authority: Environment Agency, Welsh Region<br>Abstraction: Extractive: Dust Suppression<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Inland Water Unnamed Tributary Of The Nant Gwys<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 12th September 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (N)                                    | 1955                         | 3       | 276830<br>212110 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: >550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low                                                                                                                                                                                                                                                                | A13SW (NW)                             | 0                            | 2       | 276228<br>210159 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: >550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low                                                                                                                                                                                                                                                                            | A13NW (W)                              | 0                            | 2       | 276201<br>210169 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: >550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: Low | A13SE (SE)                             | 0                            | 2       | 276259 210143 |
|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - A                                                                                                                                                                                                                                                                                                                                                      | A13SW (NW)                             | 0                            | 2       | 276228 210159 |
|        | <b>Superficial Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - Undifferentiated                                                                                                                                                                                                                                                                                                                                   | A13SW (NW)                             | 0                            | 2       | 276228 210159 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                    |                                        |                              |         |               |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                            |                                        |                              |         |               |
|        | <b>Areas Benefiting from Flood Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                              |         |               |
|        | <b>Flood Water Storage Areas</b><br>None                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                              |         |               |
|        | <b>Flood Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |                              |         |               |
| 16     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 134.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1                                                                                                                                                                                                        | A13SE (SE)                             | 6                            | 4       | 276265 210136 |
| 17     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 46.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1                                                                                                                                                                                                         | A13NE (NE)                             | 9                            | 4       | 276296 210199 |
| 18     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 2                                                                                                                                                                                                         | A13NE (NE)                             | 9                            | 4       | 276298 210196 |
| 19     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 60.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1                                                                                                                                                                                                         | A13NE (NE)                             | 11                           | 4       | 276301 210194 |
| 20     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1                                                                                                                                                                                                          | A13NE (E)                              | 23                           | 4       | 276308 210184 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 21     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 198.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13NE (NE)                             | 26                           | 4       | 276293<br>210238 |
| 22     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13SE (SE)                             | 27                           | 4       | 276267<br>210082 |
| 23     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 90.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NW (N)                              | 32                           | 4       | 276226<br>210277 |
| 24     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A13NW (N)                              | 35                           | 4       | 276221<br>210277 |
| 25     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A13SE (S)                              | 39                           | 4       | 276239<br>210043 |
| 26     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13SE (S)                              | 39                           | 4       | 276239<br>210043 |
| 27     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 28.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13SW (S)                              | 40                           | 4       | 276224<br>210043 |
| 28     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 21.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NW (N)                              | 41                           | 4       | 276210<br>210276 |
| 29     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 130.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13SW (S)                              | 48                           | 4       | 276209<br>210038 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 30     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 54.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13SW (S)                              | 48                           | 4       | 276209<br>210038 |
| 31     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 47.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NW (N)                              | 49                           | 4       | 276215<br>210289 |
| 32     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 152.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13NW (NW)                             | 55                           | 4       | 276163<br>210261 |
| 33     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NW (N)                              | 56                           | 4       | 276183<br>210283 |
| 34     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 157.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13NW (N)                              | 56                           | 4       | 276193<br>210287 |
| 35     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 73.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NW (NW)                             | 59                           | 4       | 276176<br>210281 |
| 36     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A13NE (N)                              | 75                           | 4       | 276249<br>210321 |
| 37     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 24.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13SW (S)                              | 78                           | 4       | 276174<br>210004 |
| 38     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NE (N)                              | 80                           | 4       | 276261<br>210323 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 39     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 36.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A13NE (NE)                             | 80                           | 4       | 276303 210301 |
| 40     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 20.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A13NE (NE)                             | 80                           | 4       | 276303 210301 |
| 41     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 143.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13NE (NE)                             | 92                           | 4       | 276324 210298 |
| 42     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13SW (SW)                             | 126                          | 4       | 276116 209974 |
| 43     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 264.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13SW (SW)                             | 133                          | 4       | 276124 209962 |
| 44     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NW (NW)                             | 174                          | 4       | 276036 210246 |
| 45     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 146.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13NW (NW)                             | 174                          | 4       | 276036 210246 |
| 46     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NE (NE)                             | 192                          | 4       | 276459 210283 |
| 47     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A13NW (NW)                             | 210                          | 4       | 276111 210419 |

| Map ID | Details                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 48     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NW (NW)                             | 210                          | 4       | 276111<br>210419 |
| 49     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 78.5<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1      | A13NE (NE)                             | 212                          | 4       | 276481<br>210285 |
| 50     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A13NW (W)                              | 213                          | 4       | 275995<br>210239 |
| 51     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 86.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13NW (W)                              | 217                          | 4       | 275991<br>210238 |
| 52     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A13NW (NW)                             | 275                          | 4       | 275981<br>210381 |
| 53     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 22.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A13NW (NW)                             | 281                          | 4       | 275976<br>210385 |
| 54     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 336.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1  | A13NE (NE)                             | 286                          | 4       | 276508<br>210386 |
| 55     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 124.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1  | A13NE (NE)                             | 290                          | 4       | 276552<br>210318 |
| 56     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NW (E)                              | 310                          | 4       | 276598<br>210194 |

| Map ID | Details                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 57     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NW (E)                              | 324                          | 4       | 276612<br>210207 |
| 58     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 72.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1   | A18SE (N)                              | 326                          | 4       | 276333<br>210558 |
| 59     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 88.7<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1      | A18SE (N)                              | 326                          | 4       | 276333<br>210558 |
| 60     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NW (E)                              | 331                          | 4       | 276619<br>210218 |
| 61     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 43.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1   | A14NW (E)                              | 350                          | 4       | 276636<br>210232 |
| 62     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 74.8<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1      | A18SE (N)                              | 371                          | 4       | 276288<br>210614 |
| 63     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 185.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1  | A18SE (N)                              | 371                          | 4       | 276288<br>210614 |
| 64     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 69.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 2   | A14NW (E)                              | 384                          | 4       | 276672<br>210201 |
| 65     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 65.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1   | A14NW (E)                              | 386                          | 4       | 276674<br>210211 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 66     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 44.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SE (N)                              | 399                          | 4       | 276406<br>210609 |
| 67     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 232.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18SE (N)                              | 428                          | 4       | 276346<br>210661 |
| 68     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 568.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1   | A14NW (E)                              | 430                          | 4       | 276717<br>210171 |
| 69     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 33.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SE (NE)                             | 438                          | 4       | 276442<br>210634 |
| 70     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 241.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NW (E)                              | 489                          | 4       | 276774<br>210245 |
| 71     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 185.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NW (E)                              | 489                          | 4       | 276774<br>210249 |
| 72     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 249.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1   | A18SW (N)                              | 527                          | 4       | 276012<br>210723 |
| 73     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 32.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SW (NE)                             | 528                          | 4       | 276628<br>210612 |
| 74     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A19SW (NE)                             | 529                          | 4       | 276627<br>210614 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 75     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19SW (NE)                             | 530                          | 4       | 276627<br>210617 |
| 76     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 54.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A12SE (W)                              | 532                          | 4       | 275655<br>209997 |
| 77     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 45.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1    | A18SW (N)                              | 534                          | 4       | 276207<br>210779 |
| 78     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SW (N)                              | 534                          | 4       | 276207<br>210779 |
| 79     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A8NW (S)                               | 536                          | 4       | 276012<br>209574 |
| 80     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A18SW (N)                              | 540                          | 4       | 276223<br>210786 |
| 81     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 64.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SE (NW)                             | 546                          | 4       | 275868<br>210657 |
| 82     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 139.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NW (NE)                             | 546                          | 4       | 276786<br>210420 |
| 83     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 53.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A14NW (NE)                             | 546                          | 4       | 276786<br>210420 |

| Map ID | Details                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 84     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 71.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18SW (N)                              | 547                          | 4       | 276229<br>210794 |
| 85     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A8NW (S)                               | 549                          | 4       | 276004<br>209562 |
| 86     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 21.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A8NW (S)                               | 552                          | 4       | 276003<br>209559 |
| 87     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A12SE (W)                              | 562                          | 4       | 275631<br>209965 |
| 88     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 566                          | 4       | 276613<br>210675 |
| 89     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19SW (NE)                             | 566                          | 4       | 276613<br>210675 |
| 90     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 61.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1   | A18SW (N)                              | 566                          | 4       | 276113<br>210800 |
| 91     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18SW (N)                              | 566                          | 4       | 276173<br>210809 |
| 92     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 46.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 567                          | 4       | 276607<br>210682 |

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| 93     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 53.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 568                          | 4       | 276622<br>210670 |
| 94     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18SW (N)                              | 568                          | 4       | 276113<br>210800 |
| 95     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SW (NE)                             | 568                          | 4       | 276622<br>210670 |
| 96     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 65.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 569                          | 4       | 276695<br>210602 |
| 97     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 102.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1      | A19SW (NE)                             | 569                          | 4       | 276695<br>210602 |
| 98     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19SW (NE)                             | 570                          | 4       | 276629<br>210667 |
| 99     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 398.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1  | A17SE (NW)                             | 572                          | 4       | 275895<br>210710 |
| 100    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 32.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 572                          | 4       | 276635<br>210665 |
| 101    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19SW (NE)                             | 575                          | 4       | 276662<br>210646 |

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| 102    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 75.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A12SE (SW)                             | 579                          | 4       | 275627 209910 |
| 103    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SW (N)                              | 580                          | 4       | 276182 210824 |
| 104    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 71.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A14NW (NE)                             | 582                          | 4       | 276792 210488 |
| 105    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 32.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A12SE (W)                              | 582                          | 4       | 275611 209966 |
| 106    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 48.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SW (N)                              | 587                          | 4       | 276111 210819 |
| 107    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 157.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NW (NE)                             | 588                          | 4       | 276808 210470 |
| 108    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SW (NE)                             | 588                          | 4       | 276771 210534 |
| 109    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 190.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A12SE (W)                              | 589                          | 4       | 275591 210159 |
| 110    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A12NE (W)                              | 589                          | 4       | 275592 210165 |

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| 111    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 332.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A12NE (W)                              | 589                          | 4       | 275592 210165 |
| 112    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 51.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SW (N)                              | 592                          | 4       | 276186 210837 |
| 113    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 28.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SW (N)                              | 592                          | 4       | 276186 210837 |
| 114    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 293.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 599                          | 4       | 276785 210532 |
| 115    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19SW (NE)                             | 601                          | 4       | 276603 210728 |
| 116    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SW (NE)                             | 606                          | 4       | 276601 210735 |
| 117    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 40.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NW (N)                              | 607                          | 4       | 276207 210853 |
| 118    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 44.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NW (N)                              | 607                          | 4       | 276207 210853 |
| 119    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NE (N)                              | 607                          | 4       | 276264 210853 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 120    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 40.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A12SE (W)                              | 613                          | 4       | 275578<br>209968 |
| 121    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 282.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A8SW (S)                               | 618                          | 4       | 276033<br>209482 |
| 122    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SE (N)                              | 623                          | 4       | 276458<br>210829 |
| 123    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 30.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18SE (N)                              | 623                          | 4       | 276457<br>210829 |
| 124    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 41.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1          | A18NE (N)                              | 623                          | 4       | 276399<br>210848 |
| 125    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 14.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1          | A18NE (N)                              | 625                          | 4       | 276281<br>210870 |
| 126    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 35.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NE (N)                              | 632                          | 4       | 276238<br>210878 |
| 127    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 158.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18SE (N)                              | 633                          | 4       | 276471<br>210834 |
| 128    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 177.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18SE (N)                              | 633                          | 4       | 276471<br>210834 |

| Map ID | Details                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 129    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18NE (N)                              | 633                          | 4       | 276293<br>210877 |
| 130    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 5.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1          | A18NE (N)                              | 638                          | 4       | 276302<br>210882 |
| 131    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NE (N)                              | 641                          | 4       | 276307<br>210883 |
| 132    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NE (N)                              | 641                          | 4       | 276270<br>210887 |
| 133    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SW (NE)                             | 643                          | 4       | 276606<br>210776 |
| 134    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 4.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1          | A18NE (N)                              | 643                          | 4       | 276311<br>210885 |
| 135    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NE (N)                              | 645                          | 4       | 276315<br>210887 |
| 136    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 25.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A18NE (N)                              | 647                          | 4       | 276319<br>210889 |
| 137    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 57.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18NE (N)                              | 647                          | 4       | 276264<br>210893 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 138    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A18NE (N)                              | 648                          | 4       | 276451 210859 |
| 139    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 98.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NW (N)                              | 649                          | 4       | 276206 210895 |
| 140    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 46.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NW (N)                              | 649                          | 4       | 276206 210895 |
| 141    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 37.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SW (NE)                             | 650                          | 4       | 276641 210760 |
| 142    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 116.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A12SW (W)                              | 650                          | 4       | 275539 209976 |
| 143    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19SW (NE)                             | 651                          | 4       | 276608 210784 |
| 144    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 104.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18NE (N)                              | 651                          | 4       | 276448 210863 |
| 145    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 19.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1          | A18NE (N)                              | 651                          | 4       | 276376 210882 |
| 146    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 13.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 2          | A18NE (N)                              | 651                          | 4       | 276376 210882 |

| Map ID | Details                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 147    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 62.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 655                          | 4       | 276608<br>210789 |
| 148    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 49.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 655                          | 4       | 276608<br>210789 |
| 149    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NE (N)                              | 659                          | 4       | 276342<br>210897 |
| 150    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 15.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A18NE (N)                              | 661                          | 4       | 276349<br>210898 |
| 151    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 33.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18NE (N)                              | 661                          | 4       | 276316<br>210903 |
| 152    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18NE (N)                              | 661                          | 4       | 276316<br>210903 |
| 153    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 59.6<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1      | A14SE (E)                              | 665                          | 4       | 276947<br>210106 |
| 154    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 2  | A18NE (N)                              | 665                          | 4       | 276378<br>210896 |
| 155    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 8.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1          | A18NE (N)                              | 665                          | 4       | 276365<br>210899 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 156    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A18NE (N)                              | 668                          | 4       | 276373<br>210901 |
| 157    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A18NE (N)                              | 671                          | 4       | 276377<br>210903 |
| 158    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A18NE (N)                              | 681                          | 4       | 276387<br>210911 |
| 159    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19SW (NE)                             | 686                          | 4       | 276654<br>210795 |
| 160    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 102.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A18NE (N)                              | 686                          | 4       | 276390<br>210915 |
| 161    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A19NW (NE)                             | 698                          | 4       | 276595<br>210847 |
| 162    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 40.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A14SE (E)                              | 701                          | 4       | 276974<br>210053 |
| 163    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 80.9<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1       | A14SE (E)                              | 701                          | 4       | 276974<br>210053 |
| 164    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 702                          | 4       | 276596<br>210851 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 165    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 208.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A8SW (S)                               | 704                          | 4       | 276096<br>209383 |
| 166    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 67.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SW (NE)                             | 718                          | 4       | 276882<br>210601 |
| 167    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 589.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A12SW (W)                              | 719                          | 4       | 275487<br>209880 |
| 168    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 212.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SW (NE)                             | 723                          | 4       | 276894<br>210590 |
| 169    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 226.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14SE (E)                              | 723                          | 4       | 276989<br>210016 |
| 170    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 454.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A12SW (W)                              | 724                          | 4       | 275485<br>209881 |
| 171    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 57.5<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1       | A7SE (SW)                              | 733                          | 4       | 275889<br>209409 |
| 172    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19SW (NE)                             | 752                          | 4       | 276761<br>210795 |
| 173    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 67.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SW (NE)                             | 754                          | 4       | 276761<br>210797 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 174    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 304.4<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1      | A14SE (E)                              | 756                          | 4       | 277038<br>210103 |
| 175    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 37.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A14SE (E)                              | 756                          | 4       | 277038<br>210103 |
| 176    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 170.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NE (E)                              | 759                          | 4       | 277048<br>210189 |
| 177    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 78.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A7SE (SW)                              | 762                          | 4       | 275830<br>209406 |
| 178    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 194.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NE (E)                              | 775                          | 4       | 277055<br>210308 |
| 179    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A14NE (E)                              | 775                          | 4       | 277055<br>210308 |
| 180    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 31.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 777                          | 4       | 276612<br>210928 |
| 181    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 53.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 777                          | 4       | 276612<br>210928 |
| 182    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A12NW (W)                              | 787                          | 4       | 275461<br>210463 |

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| 183    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 30.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A12NW (W)                              | 789                          | 4       | 275461<br>210468 |
| 184    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 164.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14NE (E)                              | 794                          | 4       | 277079<br>210262 |
| 185    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 34.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19NW (NE)                             | 796                          | 4       | 276752<br>210859 |
| 186    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 45.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A7SE (SW)                              | 804                          | 4       | 275784<br>209382 |
| 187    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 111.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A17SW (NW)                             | 807                          | 4       | 275474<br>210558 |
| 188    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A12NW (NW)                             | 812                          | 4       | 275444<br>210490 |
| 189    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A17SW (NW)                             | 816                          | 4       | 275483<br>210597 |
| 190    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 93.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SW (NW)                             | 817                          | 4       | 275485<br>210603 |
| 191    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A12NW (NW)                             | 821                          | 4       | 275436<br>210497 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 192    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A12NW (NW)                             | 824                          | 4       | 275434<br>210500 |
| 193    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19NW (NE)                             | 826                          | 4       | 276763<br>210889 |
| 194    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A12NW (NW)                             | 828                          | 4       | 275430<br>210501 |
| 195    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A19NW (NE)                             | 828                          | 4       | 276623<br>210980 |
| 196    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 106.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NW (NE)                             | 828                          | 4       | 276586<br>210998 |
| 197    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 37.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 830                          | 4       | 276764<br>210893 |
| 198    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 49.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 830                          | 4       | 276764<br>210893 |
| 199    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19NW (NE)                             | 833                          | 4       | 276623<br>210985 |
| 200    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 250.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NW (NE)                             | 834                          | 4       | 276778<br>210886 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 201    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 468.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A7SE (SW)                              | 837                          | 4       | 275747<br>209366 |
| 202    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 22.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 860                          | 4       | 276800<br>210902 |
| 203    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19NW (NE)                             | 860                          | 4       | 276800<br>210902 |
| 204    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 38.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SE (NE)                             | 862                          | 4       | 276935<br>210773 |
| 205    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A19SE (NE)                             | 863                          | 4       | 276930<br>210780 |
| 206    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19SE (NE)                             | 866                          | 4       | 276929<br>210785 |
| 207    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 42.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SE (NE)                             | 866                          | 4       | 276959<br>210750 |
| 208    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A19SE (NE)                             | 866                          | 4       | 276959<br>210750 |
| 209    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 89.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SE (NE)                             | 868                          | 4       | 276929<br>210789 |

| Map ID | Details                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 210    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 38.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 868                          | 4       | 276929<br>210789 |
| 211    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 38.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NW (NE)                             | 869                          | 4       | 276694<br>210988 |
| 212    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 65.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NW (NE)                             | 870                          | 4       | 276716<br>210976 |
| 213    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19NW (NE)                             | 870                          | 4       | 276713<br>210977 |
| 214    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19NW (NE)                             | 873                          | 4       | 276771<br>210941 |
| 215    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 875                          | 4       | 276996<br>210713 |
| 216    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 876                          | 4       | 277002<br>210706 |
| 217    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19SE (NE)                             | 876                          | 4       | 277000<br>210709 |
| 218    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19SE (NE)                             | 876                          | 4       | 276990<br>210723 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 219    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 60.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SE (NE)                             | 876                          | 4       | 276992 210721 |
| 220    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 877                          | 4       | 276773 210945 |
| 221    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19NW (NE)                             | 882                          | 4       | 276818 210915 |
| 222    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 177.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A8SE (S)                               | 883                          | 4       | 276485 209235 |
| 223    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SW (NW)                             | 887                          | 4       | 275448 210681 |
| 224    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 70.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SW (NW)                             | 887                          | 4       | 275448 210681 |
| 225    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 892                          | 4       | 276828 210920 |
| 226    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A17SW (NW)                             | 896                          | 4       | 275447 210698 |
| 227    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19NW (NE)                             | 896                          | 4       | 276778 210964 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 228    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 120.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NW (NE)                             | 896                          | 4       | 276778<br>210964 |
| 229    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 50.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A14NE (E)                              | 898                          | 4       | 277185<br>210250 |
| 230    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 49.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SW (NW)                             | 899                          | 4       | 275447<br>210705 |
| 231    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 20.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 908                          | 4       | 276782<br>210977 |
| 232    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A19NW (NE)                             | 909                          | 4       | 276837<br>210935 |
| 233    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 117.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A17NE (NW)                             | 910                          | 4       | 275782<br>211036 |
| 234    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 24.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (N)                              | 911                          | 4       | 276601<br>211083 |
| 235    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 119.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NW (NE)                             | 914                          | 4       | 276839<br>210940 |
| 236    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 111.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A14SE (E)                              | 922                          | 4       | 277148<br>209865 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 237    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 72.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1    | A9NE (SE)                              | 924                          | 4       | 277120<br>209789 |
| 238    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 42.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SE (NE)                             | 925                          | 4       | 277073<br>210685 |
| 239    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 71.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SE (NE)                             | 925                          | 4       | 277073<br>210685 |
| 240    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 2    | A9NE (E)                               | 925                          | 4       | 277123<br>209794 |
| 241    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19NW (NE)                             | 928                          | 4       | 276787<br>210997 |
| 242    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A17SW (NW)                             | 931                          | 4       | 275440<br>210753 |
| 243    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17NE (NW)                             | 934                          | 4       | 275749<br>211046 |
| 244    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 83.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1    | A17NE (NW)                             | 934                          | 4       | 275749<br>211046 |
| 245    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 106.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (E)                              | 935                          | 4       | 277166<br>210519 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 246    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 52.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 937                          | 4       | 276790 211006 |
| 247    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 35.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 937                          | 4       | 276790 211006 |
| 248    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 72.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SW (NW)                             | 938                          | 4       | 275441 210766 |
| 249    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 59.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1    | A9NE (E)                               | 939                          | 4       | 277136 209790 |
| 250    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 188.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A12SW (W)                              | 948                          | 4       | 275250 209900 |
| 251    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19SE (NE)                             | 953                          | 4       | 277017 210816 |
| 252    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 43.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SW (NW)                             | 956                          | 4       | 275387 210714 |
| 253    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 44.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SW (NW)                             | 956                          | 4       | 275387 210714 |
| 254    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SE (NE)                             | 956                          | 4       | 277023 210814 |

| Map ID | Details                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 255    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 36.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 962                          | 4       | 277115<br>210688 |
| 256    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17NE (N)                              | 964                          | 4       | 275834<br>211123 |
| 257    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 968                          | 4       | 277057<br>210788 |
| 258    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19NW (NE)                             | 969                          | 4       | 276796<br>211041 |
| 259    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 31.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 969                          | 4       | 277060<br>210786 |
| 260    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 26.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A9SW (SE)                              | 971                          | 4       | 276794<br>209287 |
| 261    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 972                          | 4       | 277058<br>210795 |
| 262    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 974                          | 4       | 277082<br>210763 |
| 263    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NW (NE)                             | 976                          | 4       | 276798<br>211048 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 264    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 95.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Afon Twrch<br>Catchment Name: Tawe<br>Primacy: 1    | A9NE (SE)                              | 977                          | 4       | 277153<br>209735 |
| 265    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A17SW (NW)                             | 981                          | 4       | 275384<br>210758 |
| 266    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 51.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1       | A19SE (NE)                             | 982                          | 4       | 277094<br>210760 |
| 267    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A9SW (SE)                              | 987                          | 4       | 276821<br>209287 |
| 268    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A9SW (SE)                              | 988                          | 4       | 276823<br>209287 |
| 269    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 56.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19NW (NE)                             | 989                          | 4       | 276801<br>211062 |
| 270    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A19NW (NE)                             | 989                          | 4       | 276801<br>211062 |
| 271    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 140.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19SE (NE)                             | 989                          | 4       | 277127<br>210720 |
| 272    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 62.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A17SW (NW)                             | 990                          | 4       | 275344<br>210707 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 273    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 43.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A19NW (NE)                             | 991                          | 4       | 276801<br>211065 |
| 274    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 183.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NW (NE)                             | 993                          | 4       | 276894<br>210998 |
| 275    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 141.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NE (NE)                             | 993                          | 4       | 276947<br>210950 |
| 276    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 132.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A19NE (NE)                             | 993                          | 4       | 276947<br>210950 |
| 277    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A9SW (SE)                              | 994                          | 4       | 276831<br>209285 |
| 278    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A17SW (NW)                             | 995                          | 4       | 275374<br>210768 |
| 279    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 199.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A15NW (E)                              | 995                          | 4       | 277275<br>210322 |
| 280    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1        | A15NW (E)                              | 995                          | 4       | 277275<br>210322 |
| 281    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A7NW (SW)                              | 995                          | 4       | 275377<br>209495 |

| Map ID | Details                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 282    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 188.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1 | A7NW (SW)                              | 995                          | 4       | 275375<br>209497 |
| 283    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1   | A15NW (E)                              | 996                          | 4       | 277250<br>210454 |
| 284    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 83.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A15NW (E)                              | 996                          | 4       | 277250<br>210454 |
| 285    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 89.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1  | A19SE (NE)                             | 998                          | 4       | 277148<br>210703 |
| 286    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Tawe<br>Primacy: 1         | A17SW (NW)                             | 1000                         | 4       | 275400<br>210816 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 287    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Ystalyfera, Port Talbot<br>Name: Disused Tip at Clun-gwyn<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD34819<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste: Not Supplied<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: Not Supplied<br>Other Ref: Not Supplied                         | A14SW (SE)                             | 655                          | 2       | 276861 209873 |
| 288    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Upper Cwmtyrch<br>Name: Glyn Cynwal Isaf<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD14314<br>First Input Date: Not Supplied<br>Last Input Date: 31st December 1974<br>Specified Waste: Deposited Waste included Commercial and Household Waste<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 6850/0064<br>BGS Ref: Not Supplied<br>Other Ref: CS11/37 | A18NW (N)                              | 805                          | 2       | 276051 211029 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Neath Port Talbot County Borough Council<br>- Has supplied landfill data                                                                                                                                                                                                                                                                                                                                                                                     |                                        | 0                            | 5       | 276228 210159 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Powys County Council<br>- Has supplied landfill data                                                                                                                                                                                                                                                                                                                                                                                                         |                                        | 283                          | 6       | 276478 210417 |
| 289    | <b>Local Authority Recorded Landfill Sites</b><br>Location: Glyn Cynwal Isaf<br>Reference: CS11/37<br>Authority: Powys County Council<br><b>Last Reported Status:</b> Unknown<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Good                                                                                                                                                                                    | A23SW (N)                              | 993                          | 6       | 275990 211208 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS 1:625,000 Solid Geology</b><br>Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)                                                                                                                                                                                                                                                                                                                                                                      | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
| 290    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Craig-Twrch Air Shaft<br>Location: Cwm-Twrch Isaf, Ystragynlais, Swansea, Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 151421<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A13NW (NW)                             | 48                           | 1       | 276164 210232 |
| 291    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Gilwen Colliery<br>Location: Cwm-Twrch Isaf, Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124900<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m      | A13SE (S)                              | 58                           | 1       | 276245 210025 |
| 292    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Graig-Twrch<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124906<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                          | A13NE (NE)                             | 166                          | 1       | 276444 210253 |
| 293    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Craig-Twrch<br>Location: Cwm-Twrch Isaf, Ystragynlais, Swansea, Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 151420<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m                | A13SE (E)                              | 245                          | 1       | 276512 210094 |
| 294    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Pen Perlyn Drift<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124886<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                     | A13NW (NW)                             | 279                          | 1       | 275957 210344 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 295    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Pen-Twyn<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124909<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m    | A14NW (E)                              | 289                          | 1       | 276576 210223 |
| 296    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Pen Perlyn Occs<br>Location: Ystalyfera, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 6089<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Opencast<br>Positional Accuracy: Located by supplier to within 10m     | A12NE (W)                              | 385                          | 1       | 275825 210270 |
| 297    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Clyngwyn<br>Location: Gurnos, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124916<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m      | A14SW (E)                              | 465                          | 1       | 276719 210020 |
| 298    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Gilfach Goch Mine<br>Location: Ystalyfera, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 2987<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Individual'S Name Withheld<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Coal Measures Group<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 100m    | A8NW (S)                               | 482                          | 1       | 276200 209600 |
| 299    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Mynydd Bach<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124891<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A18SW (N)                              | 486                          | 1       | 276092 210710 |
| 300    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Maes-Pica<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124904<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m   | A18SE (N)                              | 486                          | 1       | 276403 210704 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 301    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Clyngwyn<br>Location: Ystalyfera, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124913<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m                     | A9NW (SE)                              | 546                          | 1       | 276677<br>209760 |
| 302    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Glan-Cynwal-Uchaf<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124899<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m         | A18SE (N)                              | 584                          | 1       | 276256<br>210830 |
| 303    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Glan-Cynwal-Uchaf<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124898<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m         | A18SW (N)                              | 594                          | 1       | 276193<br>210839 |
| 304    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Gilfach-Goch<br>Location: Ystalyfera, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124884<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m                 | A7NE (SW)                              | 596                          | 1       | 275865<br>209576 |
| 305    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Gilfach-Goch Coal Level<br>Location: Ystalyfera, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124893<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 626                          | 1       | 276129<br>209458 |
| 306    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Mynydd Bach<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124880<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m               | A17SE (NW)                             | 644                          | 1       | 275746<br>210678 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 307    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Carreg Pentwyn Occs<br>Location: Ystalyfera, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 3031<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Morris International Associates<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Opencast<br>Positional Accuracy: Located by supplier to within 100m    | A7NE (SW)                              | 695                          | 1       | 275800 209500 |
| 308    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Clyngwyn<br>Location: Ystalyfera, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124914<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                     | A9NW (SE)                              | 744                          | 1       | 276709 209507 |
| 309    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Palleg Colliery<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124885<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                | A17NE (NW)                             | 774                          | 1       | 275879 210933 |
| 310    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Mynydd Bach<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124870<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                    | A12NW (NW)                             | 791                          | 1       | 275466 210490 |
| 311    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Mynydd Bach<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124871<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                    | A17SW (NW)                             | 806                          | 1       | 275473 210551 |
| 312    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Gilyfach-Yr-Haidd Coal Level<br>Location: Ystalyfera, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124882<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A7SE (SW)                              | 819                          | 1       | 275805 209354 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 313    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Mynydd Bach<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124872<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                | A17SW (NW)                             | 843                          | 1       | 275478<br>210646 |
| 314    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Wern Fawr<br>Location: Ystalyfera, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124915<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                | A9SW (SE)                              | 850                          | 1       | 276711<br>209377 |
| 315    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Wern Fawr<br>Location: Ystalyfera, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124917<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m                | A9SW (SE)                              | 890                          | 1       | 276833<br>209422 |
| 316    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Mynydd Bach<br>Location: Cwm-Twrch Isaf, Ystragynlais, Swansea, Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 151425<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W)                              | 909                          | 1       | 275345<br>210499 |
| 317    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Palleg Colliery<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124881<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m            | A17NE (NW)                             | 914                          | 1       | 275780<br>211040 |
| 318    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Bryn-Morgan Colliery<br>Location: Cwmtwrch, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124877<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m       | A17NE (NW)                             | 927                          | 1       | 275681<br>210994 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 319    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Bryn-Morgan Colliery<br>Location: Cwm-Twrch Uchaf, Ystralyfera, Swansea, Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 151418<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m | A17NW (NW)                             | 991                          | 1       | 275492 210914 |
| 320    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Clyngwyn Colliery<br>Location: Ystalyfera, Swansea, West Glamorgan<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 124918<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: South Wales Middle Coal Measures Formation<br>Commodity: Coal - Deep<br>Positional Accuracy: Located by supplier to within 10m            | A9SW (SE)                              | 996                          | 1       | 276899 209339 |
|        | <b>Coal Mining Affected Areas</b><br>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 (NW)                             | 0                            | 7       | 276228 210159 |
|        | <b>Mining Instability</b><br>Mining Evidence: Inconclusive Coal Mining<br>Source: Ove Arup & Partners<br>Boundary Quality: As Supplied                                                                                                                                                                                                                                                                                                                                                                                     | A13SW (NW)                             | 0                            | -       | 276228 210159 |
|        | <b>Non Coal Mining Areas of Great Britain</b><br>No Hazard                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                              |         |               |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                      | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                      | A13SW (S)                              | 82                           | 1       | 276228 210000 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                    | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                     | A13SE (SE)                             | 0                            | 1       | 276259 210143 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                    | A13SW (S)                              | 82                           | 1       | 276228 210000 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                     | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                     | A13SW (S)                              | 82                           | 1       | 276228 210000 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                        | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                        | A13SW (S)                              | 82                           | 1       | 276228 210000 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                             | A13NE (NE)                             | 91                           | 1       | 276340 210282 |

| Map ID | Details                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                            | A13SE (SE)                             | 111                          | 1       | 276323 210014 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                            | A13SE (SE)                             | 111                          | 1       | 276311 210000 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A13NE (NE)                             | 127                          | 1       | 276370 210304 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                            | A13NW (NW)                             | 205                          | 1       | 276106 210410 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                   | A13NW (W)                              | 0                            | 1       | 276201 210169 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SW (S)                              | 82                           | 1       | 276228 210000 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                   | A13SE (S)                              | 241                          | 1       | 276286 209847 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                      | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                      | A13SW (S)                              | 82                           | 1       | 276228 210000 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                     | A13SE (SE)                             | 147                          | 1       | 276378 210042 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                     | A13SE (S)                              | 241                          | 1       | 276286 209847 |
|        | <b>Radon Potential - Radon Affected Areas</b><br>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).<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW)                             | 0                            | 1       | 276228 210159 |
|        | <b>Radon Potential - Radon Protection Measures</b><br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service                     | A13SW (NW)                             | 0                            | 1       | 276228 210159 |

| Map ID | Details                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 321    | <b>Contemporary Trade Directory Entries</b><br>Name: L F Engineering<br>Location: 81, Heol Gleien, Upper Cwmtwrch, Swansea, SA9 2UF<br>Classification: Engineers - General<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                 | A18SW (NW)                             | 610                          | -       | 275950 210786 |
| 322    | <b>Contemporary Trade Directory Entries</b><br>Name: D H S Contractors<br>Location: 104, Heol Gleien, Upper Cwmtwrch, Swansea, SA9 2TZ<br>Classification: Damp & Dry Rot Control<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                             | A17SE (NW)                             | 676                          | -       | 275893 210830 |
| 323    | <b>Contemporary Trade Directory Entries</b><br>Name: Dors2floors<br>Location: 1, Brynygrug, Ystalyfera, Swansea, SA9 2BA<br>Classification: Commercial Cleaning Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                     | A8SE (S)                               | 694                          | -       | 276413 209411 |
| 324    | <b>Contemporary Trade Directory Entries</b><br>Name: Prestige Auto Services<br>Location: 5, Bethel Road, Lower Cwmtwrch, SWANSEA, SA9 2PS<br>Classification: Tyre Dealers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                  | A14SE (E)                              | 694                          | -       | 276967 210052 |
| 325    | <b>Contemporary Trade Directory Entries</b><br>Name: Electrohm Ltd<br>Location: Plas y Darren, Mynyddbach, Rhiwfawr, Swansea, West Glamorgan, SA9 2RA<br>Classification: Electronic Equipment - Manufacturers & Assemblers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address | A17SW (NW)                             | 851                          | -       | 275537 210750 |
| 326    | <b>Contemporary Trade Directory Entries</b><br>Name: Helping Hands<br>Location: Alltygrug Rd, Ystalyfera, Swansea, West Glamorgan, SA9 2AR<br>Classification: Cleaning Services - Domestic<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned within the geographical locality                    | A9SW (SE)                              | 957                          | -       | 276703 209247 |

| Map ID | Details                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 327    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 7450<br>Area(m²): 30680.91<br>Type: Ancient and Semi-Natural Woodland  | A13NE (NE)                             | 200                          | 2       | 276395 210381 |
| 328    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 41692<br>Area(m²): 3589.55<br>Type: Plantation on Ancient Woodland     | A8NE (SE)                              | 326                          | 2       | 276400 209799 |
| 329    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 12885<br>Area(m²): 13409.74<br>Type: Ancient and Semi-Natural Woodland | A18SE (NE)                             | 361                          | 2       | 276460 210535 |
| 330    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 22501<br>Area(m²): 30489.21<br>Type: Restored Ancient Woodland Site    | A14NW (NE)                             | 393                          | 2       | 276631 210389 |
| 331    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 9547<br>Area(m²): 23333.41<br>Type: Ancient and Semi-Natural Woodland  | A18SE (N)                              | 542                          | 2       | 276234 210789 |
| 332    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 17048<br>Area(m²): 18876.69<br>Type: Ancient and Semi-Natural Woodland | A14SW (E)                              | 616                          | 2       | 276850 209939 |
| 333    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 14073<br>Area(m²): 21653.66<br>Type: Ancient and Semi-Natural Woodland | A9NW (SE)                              | 701                          | 2       | 276677 209538 |
| 334    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 7352<br>Area(m²): 5335.24<br>Type: Ancient and Semi-Natural Woodland   | A12SW (W)                              | 709                          | 2       | 275488 209928 |
| 335    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 8886<br>Area(m²): 3171.1<br>Type: Ancient and Semi-Natural Woodland    | A9SW (SE)                              | 711                          | 2       | 276579 209459 |
| 336    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 22503<br>Area(m²): 8804.05<br>Type: Restored Ancient Woodland Site     | A17NE (NW)                             | 756                          | 2       | 275850 210898 |
| 337    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 8885<br>Area(m²): 4295.33<br>Type: Ancient and Semi-Natural Woodland   | A9SW (SE)                              | 786                          | 2       | 276678 209431 |
| 338    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 7451<br>Area(m²): 21877.52<br>Type: Ancient and Semi-Natural Woodland  | A17SE (NW)                             | 829                          | 2       | 275623 210816 |
| 339    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 7351<br>Area(m²): 28602.77<br>Type: Ancient and Semi-Natural Woodland  | A8SE (S)                               | 878                          | 2       | 276243 209204 |
| 340    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 14072<br>Area(m²): 15776.99<br>Type: Ancient and Semi-Natural Woodland | A8SE (S)                               | 881                          | 2       | 276500 209242 |

| Map ID | Details                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 341    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 8527<br>Area(m²): 32744.18<br>Type: Ancient and Semi-Natural Woodland | A17NE (NW)                             | 895                          | 2       | 275746 210998 |
| 342    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 12886<br>Area(m²): 2869.94<br>Type: Ancient and Semi-Natural Woodland | A17NE (NW)                             | 947                          | 2       | 275798 211086 |
| 343    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 22504<br>Area(m²): 39500.16<br>Type: Restored Ancient Woodland Site   | A17NE (N)                              | 958                          | 2       | 275872 211132 |
| 344    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 7453<br>Area(m²): 85044.53<br>Type: Ancient and Semi-Natural Woodland | A23SE (N)                              | 996                          | 2       | 276255 211242 |

| Agency & Hydrological                                                                                                                                                                                                                                                         | Version                                      | Update Cycle                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------|
| <b>Contaminated Land Register Entries and Notices</b><br>Powys County Council - Public Protection Department<br>Neath Port Talbot County Borough Council - Environmental Health Department<br>Carmarthenshire County Council - Environmental Health Department                | February 2015<br>March 2015<br>October 2014  | Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update |
| <b>Discharge Consents</b><br>Environment Agency - Welsh Region<br>Natural Resources Wales                                                                                                                                                                                     | August 2014<br>November 2019                 | Quarterly<br>Quarterly                                                  |
| <b>Enforcement and Prohibition Notices</b><br>Environment Agency - Welsh Region                                                                                                                                                                                               | March 2013                                   | Annual Rolling Update                                                   |
| <b>Integrated Pollution Controls</b><br>Environment Agency - Welsh Region                                                                                                                                                                                                     | October 2008                                 | Variable                                                                |
| <b>Integrated Pollution Prevention And Control</b><br>Natural Resources Wales<br>Environment Agency - Welsh Region                                                                                                                                                            | November 2019<br>October 2019                | Quarterly<br>Quarterly                                                  |
| <b>Local Authority Integrated Pollution Prevention And Control</b><br>Neath Port Talbot County Borough Council - Environmental Health Department<br>Carmarthenshire County Council - Environmental Health Department<br>Powys County Council - Public Protection Department   | August 2012<br>March 2015<br>May 2014        | Variable<br>Variable<br>Variable                                        |
| <b>Local Authority Pollution Prevention and Controls</b><br>Neath Port Talbot County Borough Council - Environmental Health Department<br>Carmarthenshire County Council - Environmental Health Department<br>Powys County Council - Public Protection Department             | March 2014<br>March 2015<br>May 2014         | Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update |
| <b>Local Authority Pollution Prevention and Control Enforcements</b><br>Neath Port Talbot County Borough Council - Environmental Health Department<br>Powys County Council - Public Protection Department<br>Carmarthenshire County Council - Environmental Health Department | March 2014<br>May 2014<br>September 2013     | Variable<br>Variable<br>Variable                                        |
| <b>Nearest Surface Water Feature</b><br>Ordnance Survey                                                                                                                                                                                                                       | October 2019                                 |                                                                         |
| <b>Pollution Incidents to Controlled Waters</b><br>Environment Agency - Welsh Region                                                                                                                                                                                          | December 1998                                | Not Applicable                                                          |
| <b>Prosecutions Relating to Authorised Processes</b><br>Environment Agency - Welsh Region<br>Natural Resources Wales                                                                                                                                                          | March 2013<br>March 2013                     | Annual Rolling Update<br>Annual Rolling Update                          |
| <b>Prosecutions Relating to Controlled Waters</b><br>Environment Agency - Welsh Region<br>Natural Resources Wales                                                                                                                                                             | March 2013<br>March 2013                     | Annual Rolling Update<br>Annual Rolling Update                          |
| <b>Registered Radioactive Substances</b><br>Natural Resources Wales<br>Environment Agency - Welsh Region                                                                                                                                                                      | January 2015<br>June 2016                    | Annually                                                                |
| <b>River Quality</b><br>Environment Agency - Head Office                                                                                                                                                                                                                      | November 2001                                | Not Applicable                                                          |
| <b>Substantiated Pollution Incident Register</b><br>Environment Agency Wales - South East Area<br>Environment Agency Wales - South West Area<br>Natural Resources Wales                                                                                                       | October 2019<br>October 2019<br>October 2019 | Quarterly<br>Quarterly<br>Quarterly                                     |
| <b>Water Abstractions</b><br>Natural Resources Wales<br>Environment Agency - Welsh Region                                                                                                                                                                                     | November 2019<br>October 2019                | Quarterly<br>Quarterly                                                  |
| <b>Water Industry Act Referrals</b><br>Natural Resources Wales<br>Environment Agency - Welsh Region                                                                                                                                                                           | November 2019<br>October 2017                | Quarterly<br>Quarterly                                                  |

| Agency & Hydrological                                                                                                 | Version       | Update Cycle          |
|-----------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|
| <b>Groundwater Vulnerability Map</b><br>Natural Resources Wales                                                       | June 2018     | As notified           |
| <b>Bedrock Aquifer Designations</b><br>Natural Resources Wales                                                        | January 2018  | Annually              |
| <b>Superficial Aquifer Designations</b><br>Natural Resources Wales                                                    | January 2018  | Annually              |
| <b>Source Protection Zones</b><br>Natural Resources Wales                                                             | November 2016 | Annual Rolling Update |
| <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Natural Resources Wales                                | August 2019   | Quarterly             |
| <b>Flooding from Rivers or Sea without Defences</b><br>Natural Resources Wales                                        | August 2019   | Quarterly             |
| <b>Areas Benefiting from Flood Defences</b><br>Natural Resources Wales                                                | August 2019   | Quarterly             |
| <b>Flood Water Storage Areas</b><br>Natural Resources Wales                                                           | August 2019   | Quarterly             |
| <b>Flood Defences</b><br>Natural Resources Wales                                                                      | August 2019   | Quarterly             |
| <b>OS Water Network Lines</b><br>Ordnance Survey                                                                      | July 2019     | Quarterly             |
| <b>BGS Groundwater Flooding Susceptibility</b><br>British Geological Survey - National Geoscience Information Service | May 2013      | Annually              |

| Waste                                                                                                                                                                                                                                                                                                                                                                                                              | Version                                                                                         | Update Cycle                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>BGS Recorded Landfill Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                                                                                                                          | June 1996                                                                                       | Not Applicable                                                                    |
| <b>Historical Landfill Sites</b><br>Natural Resources Wales                                                                                                                                                                                                                                                                                                                                                        | July 2017                                                                                       | Quarterly                                                                         |
| <b>Integrated Pollution Control Registered Waste Sites</b><br>Environment Agency - Welsh Region                                                                                                                                                                                                                                                                                                                    | October 2008                                                                                    | Not Applicable                                                                    |
| <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Environment Agency Wales - South East Area<br>Environment Agency Wales - South West Area<br>Natural Resources Wales                                                                                                                                                                                                                           | July 2018<br>July 2018<br>July 2018                                                             | Quarterly<br>Quarterly<br>Quarterly                                               |
| <b>Licensed Waste Management Facilities (Locations)</b><br>Natural Resources Wales<br>Environment Agency Wales - South East Area<br>Environment Agency Wales - South West Area                                                                                                                                                                                                                                     | November 2019<br>October 2019<br>October 2019                                                   | Quarterly<br>Quarterly<br>Quarterly                                               |
| <b>Local Authority Landfill Coverage</b><br>Carmarthenshire County Council<br>Neath Port Talbot County Borough Council - Environmental Health Department<br>Powys County Council                                                                                                                                                                                                                                   | May 2000<br>May 2000<br>May 2000                                                                | Not Applicable<br>Not Applicable<br>Not Applicable                                |
| <b>Local Authority Recorded Landfill Sites</b><br>Carmarthenshire County Council<br>Powys County Council<br>Neath Port Talbot County Borough Council - Environmental Health Department                                                                                                                                                                                                                             | May 2000<br>May 2000<br>September 2003                                                          | Not Applicable<br>Not Applicable<br>Not Applicable                                |
| <b>Registered Landfill Sites</b><br>Environment Agency Wales - South East Area<br>Environment Agency Wales - South West Area                                                                                                                                                                                                                                                                                       | March 2003<br>March 2003                                                                        | Not Applicable<br>Not Applicable                                                  |
| <b>Registered Waste Transfer Sites</b><br>Environment Agency Wales - South East Area<br>Environment Agency Wales - South West Area                                                                                                                                                                                                                                                                                 | March 2003<br>March 2003                                                                        | Not Applicable<br>Not Applicable                                                  |
| <b>Registered Waste Treatment or Disposal Sites</b><br>Environment Agency Wales - South East Area<br>Environment Agency Wales - South West Area                                                                                                                                                                                                                                                                    | March 2003<br>March 2003                                                                        | Not Applicable<br>Not Applicable                                                  |
| Hazardous Substances                                                                                                                                                                                                                                                                                                                                                                                               | Version                                                                                         | Update Cycle                                                                      |
| <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                                                                              | April 2018                                                                                      | Bi-Annually                                                                       |
| <b>Explosive Sites</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                                                                                                              | March 2017                                                                                      | Annually                                                                          |
| <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                                                          | November 2000                                                                                   | Not Applicable                                                                    |
| <b>Planning Hazardous Substance Enforcements</b><br>Brecon Beacons National Park<br>Carmarthenshire County Council - Area Planning Office (East Area)<br>Carmarthenshire County Council - Area Planning Office (South Area)<br>Carmarthenshire County Council - Environment Department (West Area)<br>Powys County Council - Planning Department<br>Neath Port Talbot County Borough Council - Planning Department | August 2008<br>February 2016<br>February 2016<br>February 2016<br>February 2016<br>October 2015 | Annual Rolling Update<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable |
| <b>Planning Hazardous Substance Consents</b><br>Brecon Beacons National Park<br>Carmarthenshire County Council - Area Planning Office (East Area)<br>Carmarthenshire County Council - Area Planning Office (South Area)<br>Carmarthenshire County Council - Environment Department (West Area)<br>Powys County Council - Planning Department<br>Neath Port Talbot County Borough Council - Planning Department     | August 2008<br>February 2016<br>February 2016<br>February 2016<br>February 2016<br>October 2015 | Annual Rolling Update<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable |

| Geological                                                                                                                                      | Version        | Update Cycle          |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <b>BGS 1:625,000 Solid Geology</b><br>British Geological Survey - National Geoscience Information Service                                       | January 2009   | Not Applicable        |
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                        | October 2019   | Bi-Annually           |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)                                                      | August 2011    | Not Applicable        |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                     | March 2014     | Annual Rolling Update |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                | October 2000   | Not Applicable        |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                            | May 2015       | Not Applicable        |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                | January 2019   | Annually              |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service               | January 2019   | Annually              |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                | January 2019   | Annually              |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019   | Annually              |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service               | January 2019   | Annually              |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service | January 2019   | Annually              |
| <b>Radon Potential - Radon Affected Areas</b><br>British Geological Survey - National Geoscience Information Service                            | July 2011      | Annually              |
| <b>Radon Potential - Radon Protection Measures</b><br>British Geological Survey - National Geoscience Information Service                       | July 2011      | Annually              |
| Industrial Land Use                                                                                                                             | Version        | Update Cycle          |
| <b>Contemporary Trade Directory Entries</b><br>Thomson Directories                                                                              | October 2019   | Quarterly             |
| <b>Fuel Station Entries</b><br>Catalist Ltd - Experian                                                                                          | September 2019 | Quarterly             |
| <b>Gas Pipelines</b><br>National Grid                                                                                                           | July 2014      |                       |
| <b>Underground Electrical Cables</b><br>National Grid                                                                                           | December 2015  |                       |

| Sensitive Land Use                                                                                                                                 | Version                                   | Update Cycle                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|
| <b>Ancient Woodland</b><br>Natural Resources Wales                                                                                                 | August 2018                               | Bi-Annually                               |
| <b>Areas of Outstanding Natural Beauty</b><br>Natural Resources Wales                                                                              | June 2019                                 | Bi-Annually                               |
| <b>Environmentally Sensitive Areas</b><br>The National Assembly for Wales - GI Services (Department of Planning & Countryside)                     | January 2017                              |                                           |
| <b>Forest Parks</b><br>Forestry Commission                                                                                                         | April 1997                                | Not Applicable                            |
| <b>Local Nature Reserves</b><br>Carmarthenshire County Council<br>Neath Port Talbot County Borough Council<br>Powys County Council                 | August 2018<br>August 2018<br>August 2018 | Bi-Annually<br>Bi-Annually<br>Bi-Annually |
| <b>Marine Nature Reserves</b><br>Natural Resources Wales                                                                                           | August 2018                               | Bi-Annually                               |
| <b>National Nature Reserves</b><br>Natural Resources Wales                                                                                         | June 2019                                 | Bi-Annually                               |
| <b>National Parks</b><br>Natural Resources Wales                                                                                                   | August 2018                               | Annually                                  |
| <b>Nitrate Vulnerable Zones</b><br>Natural Resources Wales<br>The National Assembly for Wales - GI Services (Department of Planning & Countryside) | July 2019<br>October 2005                 | Bi-Annually                               |
| <b>Ramsar Sites</b><br>Natural Resources Wales                                                                                                     | July 2019                                 | Bi-Annually                               |
| <b>Sites of Special Scientific Interest</b><br>Natural Resources Wales                                                                             | March 2019                                | Bi-Annually                               |
| <b>Special Areas of Conservation</b><br>Natural Resources Wales                                                                                    | August 2018                               | Bi-Annually                               |
| <b>Special Protection Areas</b><br>Natural Resources Wales                                                                                         | August 2018                               | Bi-Annually                               |

A selection of organisations who provide data within this report

| Data Supplier                          | Data Supplier Logo                                                                                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordnance Survey                        |                                                                                    |
| Environment Agency                     |                                                                                    |
| Scottish Environment Protection Agency |                                                                                    |
| The Coal Authority                     |                                                                                    |
| British Geological Survey              |  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL          |
| Centre for Ecology and Hydrology       |  <b>Centre for Ecology &amp; Hydrology</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| Natural Resources Wales                |                                                                                   |
| Scottish Natural Heritage              |                                                                                  |
| Natural England                        |                                                                                  |
| Public Health England                  |                                                                                  |
| Ove Arup                               |                                                                                  |
| Peter Brett Associates                 |                                                                                  |

| Contact | Name and Address                                                                                                                                                  | Contact Details                                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>British Geological Survey - Enquiry Service</b><br>British Geological Survey, Environmental Science Centre, Keyworth,<br>Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk                          |
| 2       | <b>Natural Resources Wales</b><br>Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP                                                                                  | Telephone: 0300 065 3000<br>Email: enquiries@naturalresourceswales.gov.uk                                                       |
| 3       | <b>Environment Agency - National Customer Contact Centre (NCCC)</b><br>PO Box 544, Templeborough, Rotherham, S60 1BY                                              | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk                                                          |
| 4       | <b>Ordnance Survey</b><br>Adanac Drive, Southampton, Hampshire, SO16 0AS                                                                                          | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk                 |
| 5       | <b>Neath Port Talbot County Borough Council - Environmental Health Department</b><br>Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ                | Telephone: 01639 763333<br>Fax: 01693 763444<br>Website: www.neath-porttalbot.gov.uk                                            |
| 6       | <b>Powys County Council</b><br>County Hall, Llandrindod Wells, Powys, LD1 5LG                                                                                     | Telephone: 01597 826000<br>Fax: 01597 826230<br>Website: www.powys.gov.uk                                                       |
| 7       | <b>The Coal Authority - Property Searches</b><br>200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG                                                         | Telephone: 0345 762 6848<br>Fax: 01623 637 338<br>Email: groundstability@coal.gov.uk<br>Website: www2.groundstability.com       |
| -       | <b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b><br>Chilton, Didcot, Oxfordshire, OX11 0RQ                   | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org                             |
| -       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD                                                                  | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

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