

Dyfed Steels Limited

DAFEN, LLANELLI

Desk Study Report

14316/LP/24/DS

CLIENT: Dyfed Steels Limited

PROJECT: Dafen, Llanelli

TITLE: Desk Study Report

JOB NO: 14316

DOCUMENT REF: 14316/LP/24/DS

Revision	Purpose Description	Originated	Reviewed	Authorised	Date
0	Final	LP	HP	RB	May 2024

Geotechnical Engineers:

Intégral Géotechnique (Wales) Limited
Integral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX

Tel: 029 2080 7991

CONTENTS

1.0 INTRODUCTION

- 1.1 General
- 1.2 Proposed Development
- 1.3 Scope of Works
- 1.4 Limitations

2.0 THE SITE

- 2.1 Site Location and Description
- 2.2 Site Operations
- 2.3 Surrounding Land Use
- 2.4 Available Site Investigation Data

3.0 SITE HISTORY

4.0 SITE ENVIRONMENTAL SETTING

- 4.1 Physical Setting
- 4.2 Geology
- 4.3 Radon
- 4.4 Mining
- 4.5 Hydrology, Hydrogeology & Flood Risk
- 4.6 Landfill Sites
- 4.7 Potential Contamination
- 4.8 Other Environmental Issues

5.0 PRELIMINARY CONCEPTUAL SITE MODEL

- 5.1 Risk Assessment Framework
- 5.2 Conceptual Model Framework
- 5.3 Critical Sensitive Receptor – Human Health
- 5.4 Critical Sensitive Receptor – Controlled Waters
- 5.5 Potential Contaminant Sources
- 5.6 Potential Exposure Pathways
- 5.7 Summary of Conceptual Exposure Model

6.0 ANTICIPATED GROUND CONDITIONS

7.0 SITE ASSESSMENT

- 7.1 Environmental Risk Assessment
- 7.2 Geotechnical Hazards and Constraints

8.0 SITE INVESTIGATION PROPOSALS

CONTENTS (CONTINUED)

APPENDICES

- Appendix A Envirocheck Report
- Appendix B BGS Radon GeoReport
- Appendix C Consultants Coal Mining Report from The Coal Authority

FIGURES

- Figure 1 Site Location
- Figure 2A Proposed Development
- Figure 2B Site Plan
- Figure 3A Abandonment Plan Extract (BGS)
- Figure 3B Abandonment Plan Extract (Ref: LPL387)

1.0 INTRODUCTION

1.1 GENERAL

Dyfed Steels Limited are proposing to redevelop areas within their current ownership boundary in Dafen for continued commercial end-use. The site location is shown on Figure 1.

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

The objectives of the geoenvironmental and geotechnical appraisal are to:

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

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

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

This report (including all appendices to it and any subsequent addendums or correspondence) has been prepared for the sole benefit, use and information of Dyfed Steels Limited and no third party is entitled or permitted to rely on it. This report may not be used, reproduced or circulated (in whole or part) for any purpose without the written consent of Intégral Géotechnique (Wales) Limited. Intégral Géotechnique (Wales) Limited shall not be liable to any third party who does not have such express written permission to rely on the report for any losses they may suffer.

1.2 PROPOSED DEVELOPMENT

The proposed development will comprise the construction of a new industrial unit within the eastern area of the site and the refurbishment of the former Radnedge Unit located within the western area of the site.

1.2 PROPOSED DEVELOPMENT (CONTINUED)

The new building will provide 3026 sqm of floorspace with a simple pitched roof design. The Radnedge Unit will have elements of the existing structure demolished in order to accommodate the construction of the replacement roof. The refurbished building will have a change of use from architectural salvage to storage and processing of steel. The proposed development and refurbishment is shown on Figure 2A. Both the new build and former Radnedge Unit will be for Class B2 use (general industrial).

The development will also include the construction of new drainage routes extending northward away from the development area as shown on Figure 2B.

1.3 SCOPE OF WORKS

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

- An Envirocheck Report obtained for the site,
- Old Ordnance Survey maps covering the site, included within the Envirocheck Report,
- A Radon GeoReport obtained from the British Geological Survey,
- A Consultants Coal Mining Report obtained from The Coal Authority,
- Geological maps of the area provided by the British Geological Survey,
- The Natural Resources Wales groundwater vulnerability map and aquifer database for the area,
- Existing site investigation data.

1.4 LIMITATIONS

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

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

2.0 THE SITE

2.1 SITE LOCATION AND DESCRIPTION

The site is located within the wider Dyfed Steels ownership boundary on the southern edge of Dafen in Llanelli at a National Grid Reference of 253110, 201260, see Figure 1.

The site is irregular in shape to incorporate the proposed unit, the existing building and the potential proposed drainage routes and occupies an area of approximately 2.5 hectares. The boundaries of the site are defined by existing commercial/industrial land and the River Dafen to the north, existing commercial/industrial land to the west and the A4138 road to the southeast. A site plan is presented in Figure 2B.

The site is located on relatively level ground with some localised undulations at an approximate elevation of 18m AOD.

The site typically comprises areas of hardstanding/rough unfinished surfacing and with some areas of scrub vegetation. Access roads cross the site and with many of the external areas utilised for storage. The former Radnedge building is located within the southern area of the site and accessed via Dafen Inn Row. The main Dyfed Steels site is accessed via the main entrance off Dafen Road. An existing electrical substation is located to the southeast of the proposed development area.

2.2 SITE OPERATIONS

The site is currently utilised by Dyfed Steels with the proposed development area used for general storage. The former Radnedge building is currently disused.

2.3 SURROUNDING LAND USE

The immediate surrounding areas are typically developed for commercial/industrial use.

2.4 AVAILABLE SITE INVESTIGATION DATA

There is no available site investigation data for the site to our knowledge. However, there is available information for a site investigation undertaken to the northeast of the site for Dyfed Steels. Additional boreholes have also been drilled within the undeveloped fields beyond the road to the east of the site.

2.4 AVAILABLE SITE INVESTIGATION DATA (CONTINUED)

Available information suggests that made ground of between approximately 1.2m and 1.8m in thickness was present to the northeast and was variable in nature. The made ground comprised fine to coarse sand and gravel sized fragments of coal, ash, limestone and bricks. The made ground was underlain by superficial deposits which were typically cohesive and comprising gravelly clay down to depths of between approximately 3.8m and 5.6m. The superficial deposits then became more granular in nature and comprised sands, gravels and cobbles down to depths of between 9.4m and 12.7m. The mudstone bedrock was encountered beneath the superficial deposits.

Deeper boreholes have been drilled within the fields to the east of the site. Shallow coal and broken ground was recorded at depths between 19.0m and 28.9m with the depth to coal/workings deepening in a southerly direction.

3.0 SITE HISTORY

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

Map Scale	Dates
1:2,500	1880, 1907, 1916, 1954-1959, 1978
1:1,250	1953-1987, 1993, 2001 (aerial photo)
1:10,560	1889, 1907-1908, 1921-1922, 1938-1951, 1953
1:10,000	1965, 1973-1975, 1992, 1999-2000, 2006, 2024

The earliest edition of the map dated 1880 indicated that the majority of the site comprised undeveloped fields. Private gardens with associated outbuildings to the rear of a residential terrace which lined Church Street were indicated within the northwest elongated section of the site (area of the possible drainage route). A reading room was located at the end of the terrace within the northwest area.

A school building also encroached across this area of the site. An existing surface water feature flowed along the northern edge of the elongated potential future drainage routes. A spoil heap of deposited material was located within the southern area of the site and extended off site to the southeast. A large reservoir was located to the north of the site beyond the surface water feature.

Dafen Works (Iron and Tin Plate) was located directly to the west of the site. Residential development off Dafen Inn Row and Incline Row were located to the west of the southern area of the site.

St Davids Incline was located approximately 15m to the south of the site at the nearest point which was a self-acting roped incline from Dafen to St Davids Pit located approximately 700m to the east.

Gelli Pit was located to the south of St Davids Incline approximately 300m east of the site but was indicated to be disused by this time. Bryngwyn Pit was located approximately 220m to the west. St Davids Incline and tramways associated with Dafen Works all connected into the St Davids Branch of the Great Western Railway approximately 100m to the southwest of the site.

3.0 SITE HISTORY (CONTINUED)

The 1907 edition of the map indicated that the majority of the site had remained undeveloped. The school had been slightly reconfigured across the northwest area of the site and a new building had also been constructed just off site. The spoil heap within the southern area had been reprofiled and spread further across the southern area of the site. Dafen Works (Tin Plate) remained operational to the west of the site. St Davids Incline was disused by this time although St Davids Pit was still operational. There was no longer any indication of the buildings associated with Gelli Pit, and Bryngwyn Pit was disused. Gors Colliery was indicated approximately 175m to the east. A new railway line had been constructed in a cutting to form the southeast boundary of the site.

The 1916 edition of the map indicated a large elongated structure to have been constructed within the northeast area of the site and extended off site to the northeast. There was also associated smaller buildings and a chimney adjacent to the main building, and with small buildings accessed via Dafen Inn Row located within the southern area of the site. The main building was served by tracks which connected into the railway which bounded the site to the southeast. The railway was now indicated to be the Great Western Railway St Davids Branch. Spoil remained across the southern area of the site. The works buildings to the west continued to expand and be reconfigured. Gors Colliery and St Davids Pit to the east were disused by this time.

By the edition of the map dated 1954-1959 significant development had taken place within the site. The works building within the northeast had been extended and additional smaller buildings had been constructed within the eastern area of the site. Additional tracks had also been added to serve the new larger building. Another large works building, accessed from Dafen Inn Row had been constructed within the southern area of the site along with some additional smaller buildings. A large pond feature with an associated sluice had been constructed approximately in the centre of the site in between the two main buildings. The residential terrace along Church Street and associated gardens were no longer present within the northwest area. The original school building which encroached across the site was also no longer present. The surface water feature which flowed across the northern elongated areas of the site was indicated to be Afon Dafen. The railway line to the southeast had been partially removed by this time. Additional works buildings had been constructed to the west of the site with one of the buildings now indicated to be a Blackplate and Galvanised Steel Works.

3.0 SITE HISTORY (CONTINUED)

The 1978 edition of the map indicated that many of the buildings had been demolished from site with only the large factory building now indicated within the southern area. All railway tracks had been removed from site and off site to the south and southeast. The large pond feature was no longer evident within the site. An electric substation had been constructed to the southeast of the site and a new works building had been constructed to the northeast. The buildings to the west were now indicated to be an Engineering Works. The large reservoir to the north had been partially infilled by this time and a smaller pond feature remained with the rest of the former reservoir indicated to be marshland. There was no longer any residential development to the off Dafen Inn Row or Incline Road to the west of the southern area of the site.

The 1993 edition of the map indicated only the works building to be present within the southern area of the site. New small access roads had been constructed within the site to access the works buildings to the northeast. The works building to the west of the site continued to be reconfigured. The A4138 road had been constructed approximately along the route of the former railway line to the southeast of the site by this time.

The year 2000 aerial photo indicated that the undeveloped areas of the site were covered with unfinished surfacing and rough vegetation, with the site crossed by tarmac access roads. The site was utilised for general storage including the storage of HGV's and trailers. The large works building occupied the southern area of the site.

The site has remained relatively unchanged between the year 2000 and the present day apart from some changes to the site surfacing. Development continued in the vicinity of the site including further expansion of the works building to the west by 2010.

4.0 SITE ENVIRONMENTAL SETTING

4.1 PHYSICAL SETTING

The site is situated within a commercial setting in the Dafen area of Llanelli.

The site is located on relatively level ground with some localised undulations at an approximate elevation of 18m AOD.

The River Dafen flows to the north of the site with a large pond indicated beyond.

4.2 GEOLOGY

The 1:50,000 and 1:10,560 scale (Sheet No. SN 50 SW) geological maps of the area indicate the site to be underlain by strata of the Swansea Member formed during the Carboniferous period. These rocks typically comprise green-grey Pennant sandstones with thin mudstones, siltstones and seatearth interbeds, and mainly thin coals. The strata dips in an approximately southerly direction. There are no dip angles in the vicinity of the site but further to the north and east they are indicated to be between 12° and 15°.

Any coal seams which conjecturally outcrop to the north of the site would underlie the site. The nearest conjectural outcrop is the Swansea Five Feet seam which is located approximately 140m to the north. Based on the strata dips this seam is likely to underlie the site at shallow depths. Additional conjectural outcrops to the north include the Swansea Six Feet (Upper and Lower), the Swansea Three Feet and the Swansea Two Feet. These seams all conjecturally outcrop in excess of 500m to the north of the site and would therefore underlie the site at much greater depths in excess of 100m.

The approximately north to south trending Gors Fault is located approximately 70m to the east of the site and downthrows to the east. The coal seams all terminate at the fault.

The geology map indicates superficial Devensian Till deposits of the Quaternary period overlie the solid strata. These deposits are typically poorly sorted and variable in nature comprising clays, sands and gravel. Alluvium deposits are indicated associated with the path of the River Dafen, the superficial deposits could be more clayey towards the northern area.

A variable thickness of made ground is anticipated above the superficial deposits across the site due to the past developments and site uses.

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

4.2 GEOLOGY (CONTINUED)

Geological unit	Horizon	Description
Recent	Made ground	Various materials
Quaternary	Devensian Till	Poorly sorted and variable clays, sands and gravel
Carboniferous	Swansea Member	Green-grey Pennant sandstones with thin mudstones, siltstones and seatearth interbeds, and mainly thin coals

4.3 RADON

Information with regard to Radon Protective Measures is provided within the Envirocheck Report and the BGS Radon GeoReport as presented in Appendices A and B respectively. The reports state that the site is located within a lower probability area, as less than 1% of properties are above action level, and that therefore no radon protective measures would be necessary in the construction of new buildings within the site.

4.4 MINING

The site is located within a coal mining reporting area and therefore a Consultants Coal Mining Report has been obtained from the Coal Authority and a copy is included in Appendix C.

The Coal Authority states that there are recorded workings in five seams of coal between 26m and 185m depth which were last worked in 1910. The shallowest recorded workings at 26m and 34m are considered to be within the Swansea Five Feet seam and have an extraction thickness of 120cm with a dipping rate within the seam of 14.0° and 8.1° respectively. The next recorded workings at 134m and 148m depth are considered to be within the Swansea Upper and Lower Six Feet seams and have an extraction thickness of 110cm with a dipping rate of 14.0° and 8.1° respectively. The Coal Authority state that the recorded workings at 185m depth are within the Swansea Three Feet seam and have an extraction thickness of 61cm with a dipping rate of 14.0°.

4.4 MINING (CONTINUED)

The Coal Authority Interactive Map indicates that the recorded workings within the Swansea Five Feet seam (also known as the Llanelly Four Feet) at 26m are located beneath the north eastern elongated area of the site (the proposed drainage route). An extract from the abandonment plan has been sourced from British Geological Survey (BGS) and is presented on Figure 3A. The slighter deeper recorded workings within the Swansea Five Feet seam at 34m depth are indicated beneath the majority of the main site area. An extract from abandonment plan Ref: LPL387 is presented on Figure 3B. Shallow recorded workings at depths shallower than 30m and marginally shallow recorded workings at 34m could pose a subsidence risk at the surface. It is recommended that the actual depth to the workings is confirmed physically by drilling a series of rotary boreholes.

The Coal Authority state that the probable unrecorded workings is “none” and there are no recorded shallow roadways. However, this does not mean that additional shallow unrecorded workings or roadways do not exist, but rather any information to support this has not come into the possession of the Coal Authority. Additional unrecorded shallow workings within the Swansea Five Feet seam should not be ruled out beneath the northern area of the site.

The Coal Authority indicates that there are five mine entries located within 100m of the site boundary. A summary of the mine entry data is presented in Table 2.

Ref:	Shaft/Adit	Approx. distance from site (m)	Assumed Diameter (m)	Depth of Shaft (m)	CA Easting, Northing (Desk based)	CA Assigned Departure Distance (m)
252201-040	Shaft	96m west	2.0m (actual)	Not known	252951 201154	0m
253201-068	Shaft	77m east	2.5m	Not known	253270 201250	10m
253201-069	Shaft	73m northeast	2.5m	Not known	253248 201419	10m
253201-070	Shaft	5m southwest	2.5m	Not known	253052 201133	10m
253201-071	Shaft	13m southeast	2.5m	Not known	253148 201138	10m

Three of the shafts (Ref: 252201-040, 252201-068 and 252201-069) are located greater than 50m from the site boundary and therefore are not considered to be within an influencing distance of the site.

4.4 MINING (CONTINUED)

Typically, a no build exclusion zone of 20m should be allowed in the vicinity of any mine entries. It should therefore be noted that Shaft Ref: 253201-070 is located 5m southwest of the site (approximately 18m from the proposed refurbished building) and shaft Ref: 253201-071 is located 13m to the southeast of the site (approximately 35m from the proposed refurbished building). The approximate location of the shafts is shown on Figure 2B. Shaft Ref: 253201-070 would be within an influencing distance of the existing building which is due to be refurbished. Shaft Ref: 253201-071 is likely to be located below the A4138 road but not within an influencing distance of the building. Both of these shafts are not within an influencing distance of the proposed new building even when considering the potential departure distance.

It would be prudent to geo-fix the nearest shaft location (Ref: 253201-070). It may be possible to locate shaft Ref: 253201-070 which is located within the corner of the existing car park. A risk assessment would be needed to determine the affect that the shaft could have on the proposed refurbishment of the existing adjacent building. Allowances may also need to be made for the possibility that unrecorded features could be present on or within an influencing distance of the site.

The Coal Authority states that there are no faults, fissures or breaklines recorded beneath the site or within an influencing distance.

The Coal Authority states that there are no managed tips recorded within 500m of the site boundary. The latest guidance published by the Welsh Government and its partners include a Mining and Coal Tip Safety document, published on the 14th of November 2023, which assigns an identification number (UID), a category, and the immediate status of each disused coal tip in Wales. This document also confirms that there are no managed tips within an influencing distance of the site.

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

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

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

4.4 MINING (CONTINUED)

The Coal Authority states that with regards to mine gas, none has been recorded within 500m of the site boundary.

Gas evolution from coal seams and accumulated sources such as abandoned tunnels and workings cannot be discounted and will require further assessment conducted in accordance with CL:AIRE document Good Practice for Risk Assessment for Coal Mine Gas Emissions, dated October 2021.

The site is located within a high-risk development area and based on the above guidelines a mine gas risk assessment should be undertaken. The initial desk-based assessment of the site will be utilised in order to develop the level of mine gas risk within the site.

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

The desk study shows that the site is located within a high-risk development area, with coal workings recorded at shallow depths. There are also mine entries within 50m of the site boundary.

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

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

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

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

- Mine entries >50m from site boundary
- Workings >150m depth

4.4 MINING (CONTINUED)

- No faults or other potential pathways connecting surface to deeper unflooded workings
- Outside area of past or probable shallow workings on Coal Authority viewer

Based on the information gained from the desk-based research, it is considered that the Stage 1 statements are not true due to the presence of recorded workings at shallow depths and mine entries within 50m of the site boundary. There are no fault pathways connecting the surface to the workings, however, the flow chart requires the next stage to be considered.

The next stage of the flow chart then asks if all of the following statements are true:

- Workings between 30m and 150m but permanently flooded or covered by 10m+ of low permeability superficial deposits,
- Mine entries >50m from site boundary

There are recorded workings at 26m and mine entries within 50m of the site boundary. However, the recorded workings at 26m depth would not be in the vicinity of the proposed new development. Recorded workings in this area are indicated to be at 34m depth. The two mine entries which are located within 50m of the site boundary are also not within 50m of the proposed building. Following the colliery closures when dewatering pumps were stopped groundwater levels would have recovered and it is highly likely that the workings at 34m would be flooded. However, it is recommended that rotary probeholes are drilled to check the thickness of the superficial deposits and the groundwater levels in order to assess the mine gas risk using site specific information.

Based on the information provided by the geology maps and the information from the Coal Authority it is known that there are shallow recorded workings beneath the site and recorded workings that are marginally shallow at 34m depth. The potential presence of additional unrecorded workings should not be ruled out. It would therefore be prudent to undertake intrusive works to confirm the exact depth to the shallow workings and also to confirm if any unrecorded workings are present within the seam. The information would also provide additional information to inform the mine gas risk assessment.

Further intrusive investigation would be in the form of deep rotary boreholes to a depth of 30m to 35m to determine the level of risk to the development and to define the risk based on site specific data.

4.4 MINING (CONTINUED)

It would also be prudent to geo-fix the location of the shaft (Ref: 253201-070) to confirm The Coal Authority coordinates. It should be noted that the shaft has a potential 10m departure distance. It may then become necessary to locate the shaft and confirm its condition in order to assess any potential liabilities for the existing building which is proposed for refurbishment.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK

The Envirocheck report records the nearest surface water feature to be located on the northern edge of the site in the vicinity of the proposed potential drainage routes. The OS Water Network Lines map indicates this to be the River Dafen. An unnamed surface water feature is recorded 22m to the south of the site which flows into the River Dafen 405m to the southwest. A lake is also located 28m to the north of the site.

The Natural Resources Wales groundwater vulnerability map and aquifer database classifies the bedrock beneath the site as a Secondary 'A' Aquifer. Secondary 'A' Aquifers are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

The Natural Resources Wales groundwater vulnerability map and aquifer database classifies the superficial deposits beneath the site as Secondary Aquifer-Undifferentiated. This classification is assigned in cases where it has not been possible to attribute either category A or B to a soil type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the material.

A perched water body could be encountered within any made ground. Vertical migration of groundwater is likely to be limited by the high clay content of the underlying superficial deposits.

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

There is one effective discharge consent recorded within 250m of the site boundary. The Dwr Cymru sewage storm overflow is recorded 205m to the southwest with the discharge received by the River Dafen.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

The Envirocheck Report states that there are three surface water abstractions recorded within 250m of the site boundary. The three abstractions are recorded from the River Dafen between 200m and 214m to the northeast with the water used for lake and pond throughflow. There are no groundwater abstractions recorded within 1km of the site boundary.

Tables 3 and 4 present a summary of the hydrological features and key hydrogeological nature of the site.

Feature	Distance from site	Flow	Classification	Abstraction	Discharge
River Dafen	Northern boundary	South westerly	Inland river	Yes	River Loughor
Unnamed surface water feature	22m south	South westerly	Inland river	No	River Dafen
Lake	28m north	N/A	Lake	No	N/A
Surface run-off	On site	Flows into site drainage	N/A	No	Not known
Site Drainage	On site	Not known	N/A	No	Not known

Geological Unit	Aquifer Classification	Aquifer Characteristics	Source Protection Zone	Groundwater Abstractions
Made ground	Not classified	Highly variable permeability and porosity. Perched water may be present with variable flow directions.	No	None
Devensian Til	Secondary Aquifer-Undifferentiated	Variable low to moderate permeability and porosity with intergranular flow possible. High clay content likely to restrict flow.	No	None
Swansea Member	Secondary A Aquifer	Variable moderate permeability sandstones, with thin mudstone/siltstone and thin coals capable of supporting water supplies at a local rather than strategic scale	No	None

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

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

The Natural Resources Wales Flood Risk map as presented within the Envirocheck Report indicates that the northern and western edges of the site are at risk to extreme flooding from rivers or sea without defences.

The Natural Resources Wales Surface Water Flood Risk map as presented within the Envirocheck Report indicates that the majority of the site is not at a high-risk to surface water flooding (1 in 30-year flood extent). However, the map indicates high-risk areas along the northern edge in the vicinity of the River Dafen and with a localised area in the southern area of the site.

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

4.6 LANDFILL SITES

The Envirocheck Report indicates that there is one historical landfill site located within 250m of the site boundary. The site was located 54m to the north where deposited waste included industrial and household waste and the last input date was the 31st January 1973.

There are no BGS or local authority recorded landfill site located within 1km of the site boundary.

There is a licensed waste management facility recorded within 250m of the site boundary. The facility is located 195m to the west and is categorised as a household, commercial and industrial transfer station. There is also a registered waste transfer site located 151m to the northwest with authorised waste stated to be lime sludge, paint contaminated rags and tallow oil. The licence has now lapsed.

There are three areas of potentially infilled land (non-water) recorded within 250m of the site boundary. The areas are located 118m west, 186m northeast and 206m east at the location of former colliery areas and associated infilled excavations.

There are three areas of potentially infilled land (water) located both on site and within 250m of the site boundary. The areas are located on site within the central area, 8m to the north and 243m to the southwest at the location of a former pond, the partially infilled reservoir and a surface water stream respectively.

4.7 POTENTIAL CONTAMINATION

Previous Uses

The various activities in the vicinity of the site which may have resulted in ground or water resource contamination on this site are listed below in Tables 5 and 6. Reference to Department of the Environment Industry Profiles has been made and a summary of the potential contaminants can be found in the tables.

Table 5: Potential Contaminants		
Land Use: Mainly undeveloped land from pre-1880 up until circa 1916		
Material/Process	Contamination/Hazard	Evidence
Possible agricultural land	No potential contaminants	Historical maps
Spoil heap within southern area likely to have been derived from the adjacent iron and tin plate works	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Small outbuildings associated with the adjacent residential properties, a small building within the northwest area and additional small buildings located within the southern area by circa 1907. Construction of the buildings could have locally disturbed the ground and may have utilised imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Land Use: Construction of large works building and associated rail tracks by 1916		
Material/Process	Contamination/Hazard	Evidence
Construction of the works building within the northeast area and rail tracks which would have disturbed the ground and may have utilised imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Use and maintenance of the rail tracks including possible leaks of fuels/oils	Petroleum hydrocarbons	Historical maps

4.7 POTENTIAL CONTAMINATION (CONTINUED)

Table 5: Potential Contaminants (Continued)		
Land Use: Construction of works buildings across the site by the 1950's		
Material/Process	Contamination/Hazard	Evidence
Construction of works buildings and rail tracks would have disturbed the ground and may have utilised imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
General industrial uses and processes within the buildings	Metals, non-metals, semi-metals, PAH, petroleum hydrocarbons, VOCs, SVOCs, PCB's	Former site uses
Demolition of some buildings during the 1970's (building within southern area remained) which may have utilised imported materials of unknown origin and infilling of the former pond within the central site area with unknown materials	Metals, semi metals, non-metals, PAH, asbestos	Historical maps

Existing Uses

The existing site uses would not add any additional contamination concerns to those discussed above.

Adjacent Site Uses

Table 6: Potential Contaminants: Adjacent Site Uses		
Potential Contamination Source	Boundary	Associated Contaminants and Hazards
Dyfed Steel land and associated buildings and the River Dafen and pond feature	Northern	Metals, non-metals, semi-metals, PAH, petroleum hydrocarbons, VOCs, SVOCs, asbestos
Dyfed Steel land and associated buildings	Western	Metals, non-metals, semi-metals, PAH, petroleum hydrocarbons, VOCs, SVOCs, asbestos
A4138 road and electricity substation	South eastern	Metals, semi metals, non-metals, PAH, petroleum hydrocarbons, PCB's, asbestos

It should be noted that the off-site potential contaminants and site uses are in line with the potential on-site contaminants. It should also be noted that Polychlorinated Biphenyls (PCB's) are not mobile and should not migrate towards the development area from off-site.

4.8 OTHER ENVIRONMENTAL ISSUES

The Envirocheck Report does not identify any environmentally sensitive land within 500m of the site boundary.

There four Local Authority Pollution Prevention and Controls in place within 250m of the site boundary. The two nearest permits are in place 65m to 69m to the south for adhesive coating within Dafen Industrial Estate. The authorisation has now been revoked. An active permit is in place for a petrol filling station located 159m to the west and for the respraying of road vehicles 212m to the west.

The Envirocheck Report indicates that there have been no pollution incidents to controlled waters recorded on site but ten within 250m of the site boundary. The nearest incident was a Category 3-Minor Incident recorded 22m north of the site involving oils-diesel. Another minor incident was recorded 55m to the northwest of the site involving rubble/litter or solids. A further four minor incidents involving mud/clay/soil were recorded between 98m north and 112m northwest. The nearest Category 2-Significant Incidents were recorded 145m to 151m northwest involving an unknown pollutant. One further minor incident was recorded 159m to the west of the site involving crude sewage.

There have been no substantiated pollution incidents registered on site or recorded within 250m of the site boundary. The nearest incident was recorded 289m to the southeast where general biodegradable material caused a significant impact on water but no impact on air or land.

There have been no prosecutions relating to controlled waters or to authorised processes recorded on site or recorded within 500m of the site boundary.

There are a number of active contemporary trade directory entries recorded within 250m of the site boundary as would be anticipated within a commercial/industrial area. The nearest entry is for a car dealer located 71m to the south. Other entries include a reclamation centre, commercial vehicle servicing and repairs, a petrol filling station and a road haulage services. The existing works building on site is registered as a Point of Interest-Manufacturing and Production.

There is some vegetation within the site, particularly along the southeast boundary. The path of the River Dafen along the northern area of the site is also heavily vegetated. It is not known if any invasive plants are present and therefore it may be prudent to undertake a vegetation survey prior to development.

5.0 PRELIMINARY CONCEPTUAL SITE MODEL

5.1 RISK ASSESSMENT FRAMEWORK

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

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

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

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

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

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

LCRM also provides definitions of the following terms:

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

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

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

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

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

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

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

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

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

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

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

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

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

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

S4ULs have been derived for a wider number of substances.

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

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

5.2 CONCEPTUAL MODEL FRAMEWORK

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

5.2 CONCEPTUAL MODEL FRAMEWORK (CONTINUED)

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

5.3 CRITICAL SENSITIVE RECEPTOR – HUMAN HEALTH

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

In accordance with S4UL/C4SL and CLEA guidance for a standard commercial scenario, the critical sensitive receptor for a commercial end use risk assessment is a female adult, with exposure from 16 to 65 years.

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

5.4 CRITICAL SENSITIVE RECEPTOR – CONTROLLED WATERS

Based on the proposed redevelopment of the site for a commercial end use, and the findings of the desk study, the critical sensitive receptor from a controlled water perspective is groundwater within the Secondary 'A' Aquifer of the Swansea Member.

By considering groundwater as the critical sensitive receptor for controlled waters, the groundwater/hydrogeological risk assessment will also be protective of the River Dafen to the north of the site.

5.5 POTENTIAL CONTAMINANT SOURCES

As identified in the desk study, spoil was deposited within the southern area of the site from pre-1880, with the material likely to have been derived from the adjacent Iron and Tin Plate Works. The site was also developed for commercial/industrial use from 1916, with additional works buildings constructed across the site during the 1950's with associated rail tracks. The works buildings would have been utilised for various industrial uses and processes and with additional use/maintenance of the rail tracks. There was also an on-site pond which was infilled by the 1970's with unknown materials

The potential types of contaminants of concern are listed below:

5.5 POTENTIAL CONTAMINANT SOURCES (CONTINUED)

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

The made ground has potential to generate ground gases such as methane and carbon dioxide. On site made ground would be due to the past developments and in the vicinity of the infilled pond. There are potential off-site sources of ground gas due to the presence of infilled land with the nearest area located 118m west. There is also an historical landfill located approximately 54m to the north of the site.

5.6 POTENTIAL EXPOSURE PATHWAYS

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

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

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

- Ground gas generation and migration,
- Building materials durability.

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL

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

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

The preliminary conceptual exposure model is presented below in Table 7.

Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Made Ground of unknown origin and historical land uses	Metals, semi-metals, non-metals, PAH, petroleum hydrocarbons, VOC/SVOC, PCB's, asbestos	Commercial – human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil and/or soil attached to home-grown produce	✓
			Ingestion of home-grown produce	✓
			Inhalation of dust	✓
			Inhalation of vapours – indoor/outdoor	✓
	Metals, semi-metals, inorganics, PAH, petroleum hydrocarbons, VOC/SVOC, PCBs	Groundwater quality	Leaching from made ground	✓
Metals, semi-metals, inorganics, PAH, petroleum hydrocarbons, VOC/SVOC, PCBs	Surface water quality	Transportation within groundwater	✓	
Made Ground of unknown origin and natural ground	pH and water-soluble sulphate	Building Materials Durability	Direct contact	✓
Ground Gas – organic, gas producing materials present within site or adjacent to the site	Methane, carbon dioxide	Human health	Accumulation of gases in confined spaces, and/or migration off site, leading to asphyxiation, or risk of explosion	✓

6.0 ANTICIPATED GROUND CONDITIONS

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

Recent

(Made Ground) Variable material of unknown origin

Quaternary

(Devensian Till) Poorly sorted and variable clays, sands and gravel

Carboniferous

(Swansea Member) Green-grey Pennant sandstones with thin mudstones, siltstones and seatearth interbeds, and mainly thin coals

The made ground beneath the site would be of unknown thickness and composition. The made ground would be associated with the works buildings which have been constructed, reconfigured and demolished over the years. There is also evidence of spoil being deposited within the site and with a large pond which was infilled. It should be noted that the spoil heap and the large pond were not located within the area of the proposed development. Information from the site to the northeast indicated made ground of between approximately 1.2m and 1.8m in thickness was present and was variable in nature. The made ground typically comprised fine to coarse sand and gravel sized fragments of coal, ash, limestone and bricks

The superficial deposits would be variable in nature. Available information from a site to the northeast would indicate that the superficial deposits may extend to a depth of approximately 9.4m to 12.7m.

It is not anticipated that bedrock would be encountered within any shallow excavations.

Localised seepages of perched groundwater could be encountered within any made ground or within any more granular shallow soils. Groundwater would be at greater depth within the weathered bedrock.

7.0 SITE ASSESSMENT

7.1 ENVIRONMENTAL RISK ASSESSMENT

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

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

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

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

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

Table 8: Environmental Risk Assessment		
Issue	Risk Category	Comments
Site sensitivity		
Sensitivity of site location	Low	<ul style="list-style-type: none"> Site is not located within an environmentally sensitive area with the site developed for commercial use
Environmental sensitivity of adjacent land uses	Medium	<ul style="list-style-type: none"> Site situated in a commercially developed area but with the River Dafen to the north

7.1 ENVIRONMENTAL RISK ASSESSMENT (CONTINUED)

Table 8: Environmental Risk Assessment (Continued)		
Issue	Risk Category	Comments
<i>Contamination potential</i>		
Potential for significant on-site contamination	Medium	<ul style="list-style-type: none"> Site has historically and is currently developed for commercial use
Potential for contaminants migrating off from the site	Medium	<ul style="list-style-type: none"> Potential for contaminated made ground associated with past development
Potential for contaminants migrating onto the site	Low/medium	<ul style="list-style-type: none"> Potential for contamination associated with building fabric (asbestos)
Potential for other environmental issues to give rise to liabilities	Medium	<ul style="list-style-type: none"> Potential for localised contamination or hot spots/areas associated with site uses
<i>Environmental Consequences</i>		
Risk of pollution of controlled waters	Low/medium	<ul style="list-style-type: none"> Any made ground encountered could be variable in nature and associated with the construction of buildings within the site and historic site uses. Hot spots/areas should be anticipated
Risk of damage to future property	Medium	
Risk of harm to human health	Medium	
<i>Business Consequences</i>		
Risk of liability for owner	Medium	<ul style="list-style-type: none"> Previous and current land has potential to cause contamination. Hot spots/areas should be anticipated within the site
Likelihood of designation as Contaminated Land under EPA 1990	Medium	
Risk of site value and/or saleability being affected	Medium	
<i>Overall Risk</i>		Medium

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS

A summary of commonly occurring geotechnical hazards is given in Table 9, together with an assessment of whether the site may be affected by each of the stated hazards. This information would be required prior to any future construction works or further building expansion be proposed.

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

Table 9: Summary of Potential Geotechnical Hazards				
Issue (excluding contamination issues)	Hazard Status			Engineering considerations
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Shrinkable clays		✓		Special requirements for foundation and floor slab design
Filled and made ground	✓			Would require assessment followed by potential removal, encapsulation or remediation
Highly compressible and low bearing capacity soils including peat and soft clay		✓		Allowances should be made for the removal and replacement of any soft spots/areas
Silt rich soils susceptible to rapid loss of strength in wet conditions	✓			All formations should be protected from wet weather and site traffic
Adverse ground chemistry (including expansive slags, weathering of sulphides to sulphates)		✓		Allowances should be made for appropriate testing should any potentially expandable materials such as slag or potentially combustible materials, such as coal, be encountered within the shallow excavations where made ground is present
Combustibility potential		✓		
Solution features			✓	
Evaporite dissolution features and subsidence			✓	
Ground subject to peri-glacial valley cambering with gulls present			✓	
Sudden lateral changes in ground conditions		✓		Potential for differences in founding levels between the previously developed and undeveloped areas of the site. Also, potential for buried obstructions from past developments

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

Table 9: Summary of Potential Geotechnical Hazards (Continued)				
Issue (excluding contamination issues)	Hazard Status			Engineering considerations
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Existing sub structures (e.g. foundations and pits)		✓		Former buildings which occupied the area of the proposed development have been demolished but it is unknown if any substructures remain. Allowances should be made for deeper foundations if the removal of any buried obstructions causes significant disturbance
Ground subject to vibration			✓	
Underground mining (shallow)		✓		Allowances should be made for further investigation due to the potential for shallow recorded and unrecorded workings. The use of additional reinforcement to span voids or drilling and grouting remediation works prior to construction may be required
Mine entries (shafts and adits, bell pits)		✓		Allowances should be made to locate any mine entries within an influencing distance of the development. Possibility of unrecorded mine entries so a watching brief during site works is recommended
Ground subject to or at risk of coastal or river erosion		✓		The River Dafen flows to the north of the site. Care should be taken during construction works to protect the river banks if any works are planned in close proximity
Ground subject to, or at risk from landslips or slope instability			✓	
High water table (including waterlogged ground)		✓		Potential risk of waterlogged ground in the vicinity of the River Dafen. Majority of the site should not be at risk from waterlogged ground

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

Issue (excluding contamination issues)	Hazard Status			Engineering considerations
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Culverted watercourses			✓	
Rising groundwater table due to diminishing abstraction in urban areas or cessation of deep mining			✓	

8.0 SITE INVESTIGATION PROPOSALS

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

Investigation works should give consideration to the following:

- Coal mining legacy risks associated with shallow underground mine workings and mine gas,
- Foundation and floor slab design,
- Excavation stability design,
- Potential contamination and remediation requirements,
- Soil infiltration potential,
- Groundwater control.

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

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

Investigation techniques to be adopted should include:

- Rotary openhole boreholes to confirm the depth, thickness and condition of any underlying shallow coal seams and/or shallow mine workings,
- Trial pits to examine the shallow ground conditions and to undertake BRE 365 compliant soil infiltration testing,
- Windowless sample boreholes to examine the shallow ground conditions within less accessible areas of the site particularly around the building which is to be refurbished and to install gas monitoring standpipes across the site in order to investigate the potential ground gas and mine gas risk,
- Laboratory chemical testing to determine soil chemistry to include a range of organic and inorganic contaminants, and also screening for asbestos,

8.0 SITE INVESTIGATION PROPOSALS

- Additional testing due to historic site uses including petroleum hydrocarbons, PCBs and VOC's/SVOC's

Permission would need to be obtained from the Coal Authority, prior to undertaking any physical site investigation that may intersect coal seams/associated mine workings.

Further works in the form of deeper shell and auger boreholes may become required if competent ground is not encountered at shallow depths or if additional sampling and/or testing becomes required. Additional survey techniques, including geophysical surveys, may become necessary if a more accurate location of any mine entries within an influencing distance of the development is required. This may be appropriate if intrusive investigation works are deemed unsuitable.

APPENDIX A

ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

346449928_1_1

Customer Reference:

14316/LP

National Grid Reference:

253110, 201260

Slice:

A

Site Area (Ha):

2.5

Search Buffer (m):

1000

Site Details:

Dyfed Steel

Dafen

Llanelli

SA14 8NW

Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	46
Hazardous Substances	-
Geological	53
Industrial Land Use	63
Sensitive Land Use	78
Data Currency	79
Data Suppliers	85
Useful Contacts	86

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.

Copyright Notice

© Landmark Information Group Limited 2024. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and/or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2024. © Natural Resources Wales & United Kingdom Research and Innovation 2024.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2024. Land & Property Services © Crown copyright and database right.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		3	11	13
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 10				3
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 11		4	1	2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 12	Yes			
Pollution Incidents to Controlled Waters	pg 12		10	6	24
Prosecutions Relating to Authorised Processes	pg 18				1
Registered Radioactive Substances					
River Quality	pg 19	2	1		
River Quality Biology Sampling Points	pg 19		2		
River Quality Chemistry Sampling Points	pg 21		3		
Substantiated Pollution Incident Register	pg 23			1	
Water Abstractions	pg 24		3		(*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 26	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 26	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 26	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 27	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 27	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 27	1	30	41	95

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 46		1		4
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 47				1
Licensed Waste Management Facilities (Locations)	pg 47		2		2
Local Authority Landfill Coverage	pg 48	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 48		3	10	20
Potentially Infilled Land (Water)	pg 50	1	2	6	15
Registered Landfill Sites	pg 51				1
Registered Waste Transfer Sites	pg 51		1		1
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 53	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 53	Yes		Yes	Yes
BGS Recorded Mineral Sites	pg 54		2	9	25
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 60	Yes	n/a	n/a	n/a
Mining Instability	pg 61	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 61	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 61		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 61	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 61	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 62	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
Industrial Land Use					
Contemporary Trade Directory Entries	pg 63		12	8	43
Fuel Station Entries	pg 68		1		1
Points of Interest - Commercial Services	pg 68		7	2	11
Points of Interest - Education and Health	pg 70			1	6
Points of Interest - Manufacturing and Production	pg 70	2	17	5	19
Points of Interest - Public Infrastructure	pg 74		10	4	18
Points of Interest - Recreational and Environmental	pg 77		1	3	2
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 78				2
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (SW)	0	1	253113 201263
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	133	1	253350 201263
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	146	1	253300 201100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	148	1	253150 200950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	173	1	253113 201600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	178	1	253250 201000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	183	1	253400 201300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	208	1	253400 201450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	210	1	253250 200950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	216	1	253200 200900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	216	1	253300 201000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	233	1	253350 201050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	233	1	253450 201350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	237	1	253050 201650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	241	1	253150 200850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	243	1	253300 201600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	245	1	253250 200900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	248	1	253300 200950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	258	1	253350 201000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	276	1	253400 201050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	281	1	253300 200900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	282	1	253100 200800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	282	1	253113 200800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	283	1	253500 201350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	283	1	253500 201300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	284	1	253050 200800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	298	1	252800 201550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	306	1	253450 201550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	328	1	253500 201150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	332	1	253100 200750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	333	1	253050 200750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	335	1	252900 201700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	344	1	253250 201750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	352	1	252700 201100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	357	1	252800 201650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	361	1	252950 201750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	362	1	252850 201700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	366	1	253500 201050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	373	1	253150 201800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	381	1	253050 201800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	383	1	253050 200700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	387	1	253600 201263
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	391	1	253000 200700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	396	1	253600 201250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	409	1	252950 201800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	411	1	253500 201650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	424	1	253100 201850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	425	1	252900 201800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	432	1	253100 200650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	436	1	253650 201263
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	445	1	253650 201250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	447	1	252600 201300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	448	1	252600 201150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	448	1	252600 201263
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	452	1	252950 200650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	457	1	253650 201200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	473	1	252600 201000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	482	1	252600 201550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	494	1	253700 201250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	497	1	252550 201300
1	Discharge Consents Operator: Llanelli Radiators Ltd Property Type: Undefined Or Other Location: Llanelli Radiators Ltd, Llanelli Dy, Llanelli Dyfed Sa148hu. Authority: Natural Resources Wales Catchment Area: Lledi River Reference: Bc0021501 Permit Version: 1 Effective Date: 18th November 1964 Issued Date: 18th November 1964 Revocation Date: 1st March 1977 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Dafen Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A13NW (W)	159	2	252900 201300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Dafen (3 Metres U/S Of Drain) Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: BP0246201 Permit Version: 1 Effective Date: 21st July 1994 Issued Date: 21st July 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	205	2	252870 201050
2	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Dafen (3 Metres U/S Of Drain) Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bp0246201 Permit Version: 1 Effective Date: 21st July 1994 Issued Date: 21st July 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Surrendered Positional Accuracy: Located by supplier to within 10m</p>	A13SW (SW)	205	2	252870 201050
3	<p>Discharge Consents</p> <p>Operator: Welsh Development Agency Property Type: Industrial Parks & Estates Location: Dafen Industrial Site, Hendy Road, Dafen, Llanelli Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: BP0071301 Permit Version: 1 Effective Date: 11th February 1988 Issued Date: 11th February 1988 Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	257	2	253310 201610
3	<p>Discharge Consents</p> <p>Operator: Welsh Development Agency Property Type: Industrial Parks & Estates Location: Dafen Industrial Site, Hendy Road, Dafen, Llanelli Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0071301 Permit Version: Not Supplied Effective Date: 11th February 1988 Issued Date: 11th February 1988 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Sewage Treatment Works Storm Overflow/Storm Tank - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A18SE (NE)	257	2	253310 201610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Dafen Area Nr. Vicarage Authority: Natural Resources Wales Catchment Area: Lliedi River Reference: BW2201101 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 30th March 2005 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Dafen Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	357	2	252750 200950
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Havard Road Cso Llanelli Carms, Llanelli, Carmarthen, Carmarthenshire Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bp0359401 Permit Version: 1 Effective Date: 31st December 2006 Issued Date: 20th December 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afon Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	461	2	252715 200804
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Havard Road Cso Llanelli Carms, Llanelli, Carmarthen, Carmarthenshire Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bp0359401 Permit Version: 1 Effective Date: 31st December 2006 Issued Date: 20th December 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afon Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	461	2	252715 200804
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: St Michael's Church Cso, Lon Y Maes, Llanelli, Carmarthenshire, Sa14 8lw Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bw2201101 Permit Version: 3 Effective Date: 29th March 2021 Issued Date: 29th March 2021 Revocation Date: Not Supplied Discharge Type: Not Supplied Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	462	2	252715 200803

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Havard Road Cso, Nr 88 Havard Rd, Llanelli, Sa14 8sd Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bp0359401 Permit Version: 2 Effective Date: 29th March 2021 Issued Date: 29th March 2021 Revocation Date: Not Supplied Discharge Type: Not Supplied Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	462	2	252715 200803
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: St Michaelôçs Church Cso, Lon Y Maes, Llanelli, Carmarthenshire, Sa14 8lw Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bw2201101 Permit Version: Not Supplied Effective Date: 29th March 2021 Issued Date: 29th March 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	462	2	252715 200803
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Havard Road Cso, Nr 88 Havard Rd, Llanelli, Sa14 8sd Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0359401 Permit Version: Not Supplied Effective Date: 29th March 2021 Issued Date: 29th March 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	462	2	252715 200803
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: St Michael'S Road Cso Llanelli Carm, Llanelli, Carmarthen, Carmarthenshire Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bw2201101 Permit Version: 2 Effective Date: 1st April 2005 Issued Date: 28th February 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	462	2	252715 200803

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: St Michael'S Road Cso Llanelli Carm, Llanelli, Carmarthen, Carmarthenshire Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bw2201101 Permit Version: 2 Effective Date: 1st April 2005 Issued Date: 28th February 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	462	2	252715 200803
6	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Cso At Heol Cropin Sps, Opposite Dafen Industrial Estate, Dafen, Llanelli, Sa14 8qr Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Ab3798fy Permit Version: 1 Effective Date: 16th April 2018 Issued Date: 16th April 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afon Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	517	2	253326 201905
6	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Cso At Heol Cropin Sps, Opposite Dafen Industrial Estate, Dafen, Llanelli, Sa14 8qr Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Ab3798fy Permit Version: Not Supplied Effective Date: 16th April 2018 Issued Date: 16th April 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afon Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	517	2	253326 201905
6	<p>Discharge Consents</p> <p>Operator: Welsh Development Agency (West) Property Type: Trade (Unknown/Other) Location: Advance Factory Site Dafen Llanell, Dafen, Llanelli, Carmarthenshire Authority: Natural Resources Wales Catchment Area: Lliedi River Reference: BM0024601 Permit Version: 1 Effective Date: 16th August 1982 Issued Date: 16th August 1982 Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen, Tributary Of Rive Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A18SE (N)	523	2	253330 201910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Advance Factory Site Dafen Llanell, Dafen, Llanelli, Carmarthenshire Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bm0024601 Permit Version: Not Supplied Effective Date: 16th August 1982 Issued Date: 16th August 1982 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Sewage Treatment Works Storm Overflow/Storm Tank - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dafen, Tributary Of Rive Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	523	2	253330 201910
6	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Advance Factory Site Dafen Llanell, Dafen, Llanelli, Carmarthenshire Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bm0024601 Permit Version: 1 Effective Date: 16th August 1982 Issued Date: 16th August 1982 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Sewage Treatment Works Storm Overflow/Storm Tank - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dafen, Tributary Of Rive Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	523	2	253330 201910
7	<p>Discharge Consents</p> <p>Operator: R Pope Properties (Clapton) Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Emergency Overflow @ Pemberton Authority: Natural Resources Wales Catchment Area: Lliedi River Reference: Bf0134201 Permit Version: 1 Effective Date: 7th December 1976 Issued Date: 7th December 1976 Revocation Date: 31st October 1996 Discharge Type: Sewage Discharges - Sewage Treatment Works Storm Overflow/Storm Tank - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dafen Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	753	2	252550 200550
8	<p>Discharge Consents</p> <p>Operator: Llanelli Wholesale Butchers Ltd Property Type: Undefined Or Other Location: Pwll Bach Farm Felinfoel Llanelli D, Felinfoel Llanelli Dyfed Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bd0023801 Permit Version: 1 Effective Date: 7th February 1973 Issued Date: 7th February 1973 Revocation Date: 10th October 1994 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Soakaway Nr L/Bank Of Trib Of Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A17NW (NW)	888	2	252400 202000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Halfway P.S. Sso Llanelli. Authority: Natural Resources Wales Catchment Area: Lliedi River Reference: BW2200401 Permit Version: 1 Effective Date: 19th October 1989 Issued Date: 19th October 1989 Revocation Date: 31st March 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: River Dafan Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	919	2	252490 200380
9	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Halfway Ps Dafen Llanelli Carms, Halfway Pumping Station, Dafen, Llanelli, Carmarthenshire, .. Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bw2200401 Permit Version: Not Supplied Effective Date: 15th May 2017 Issued Date: 9th May 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Gb110059025500: Dafen - Headwaters To Tidal Limit Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	956	2	252478 200342
9	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Halfway Ps Dafen Llanelli Carms, Halfway Pumping Station, Dafen, Llanelli, Carmarthenshire, .. Authority: Natural Resources Wales Catchment Area: DAFEN - HEADWATERS TO TIDAL LIMIT Reference: Bw2200401 Permit Version: 3 Effective Date: 15th May 2017 Issued Date: 9th May 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	956	2	252478 200342
9	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Halfway Ps Dafen Llanelli Carms, Halfway Pumping Station, Dafen, Llanelli, Carmarthenshire, .. Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bw2200401 Permit Version: Not Supplied Effective Date: 15th May 2017 Issued Date: 9th May 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	956	2	252478 200342

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Halfway Ps Dafen Llanelli Carms, Halfway Pumping Station, Dafen, Llanelli, Carmarthenshire</p> <p>Authority: Natural Resources Wales Catchment Area: Lliedi River Reference: Bw2200401 Permit Version: 2 Effective Date: 1st April 2005 Issued Date: 28th February 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen</p> <p>Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</p> <p>Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	956	2	252478 200342
9	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Halfway Ps Dafen Llanelli Carms, Halfway Pumping Station, Dafen, Llanelli, Carmarthenshire</p> <p>Authority: Natural Resources Wales Catchment Area: Lliedi River Reference: Bw2200401 Permit Version: 2 Effective Date: 1st April 2005 Issued Date: 28th February 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dafen</p> <p>Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</p> <p>Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	956	2	252478 200342
10	<p>Integrated Pollution Prevention And Control</p> <p>Name: Twm Ltd Location: Llanelli Abattoir, Unit 1 Glanledi Business Park, Dafen, Llanelli, Carmarthenshire, SA14 8PD</p> <p>Authority: Natural Resources Wales Permit Reference: DP3135MF Original Permit Ref: Cp3730bb Effective Date: 12th October 2006</p> <p>Status: Superseded By Variation</p> <p>Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the address or location Activity Code: 6.8 A(1) (B) Activity Description: Animal, Vegetable And Food; Slaughtering Animals Greater Than 50 T/Day Primary Activity: Y</p>	A17NW (NW)	948	2	252332 202012
11	<p>Integrated Pollution Prevention And Control</p> <p>Name: Twm Ltd Location: Pwllbach, Dafen, Llanelli, Dyfed, SA14 8PD</p> <p>Authority: Natural Resources Wales Permit Reference: SP3035XF Original Permit Ref: Cp3730bb Effective Date: 30th May 2008</p> <p>Status: Surrender Effective</p> <p>Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (B) Activity Description: Animal, Vegetable And Food; Slaughtering Animals Greater Than 50 T/Day Primary Activity: Y</p>	A17NW (NW)	966	2	252352 202063

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Integrated Pollution Prevention And Control</p> <p>Name: Twm Ltd Location: The Abattoir, Unit 1 Glanledi Business Park, Dafen, Llanelli, Dyfed, SA14 8PD Authority: Natural Resources Wales Permit Reference: Cp3730bb Original Permit Ref: Cp3730bb Effective Date: 31st March 2005 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (B) Activity Description: Animal, Vegetable And Food; Slaughtering Animals Greater Than 50 T/Day Primary Activity: Y</p>	A17NW (NW)	966	2	252352 202063
12	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Avon Inflatables Ltd Location: Unit 2 Dafen Industrial Estate, Dafen, LLANELLI, Dyfed, SA14 8NA Authority: Carmarthenshire County Council, Environmental Health Department Permit Reference: PPC/250304/CARM/08/04 Dated: 31st March 1994 Process Type: Local Authority Pollution Prevention and Control Description: PG6/32 Adhesive coating Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location</p>	A13SE (S)	65	3	253141 201046
12	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Avon Inflatables Ltd Location: Unit 33 Dafen Industrial Estate , Dafen, LLANELLI, Dyfed, SA14 8NA Authority: Carmarthenshire County Council, Environmental Health Department Permit Reference: PPC/250304/CARM/08/04 Dated: 28th March 1994 Process Type: Local Authority Pollution Prevention and Control Description: PG6/32 Adhesive coating Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location</p>	A13SE (S)	69	3	253168 201072
13	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Dafen Service Station Limited Location: Dafen Road, Dafen, LLANELLI, Carmarthenshire, SA14 8LY Authority: Carmarthenshire County Council, Environmental Health Department Permit Reference: EP/03/1.2(VR) Dated: 31st March 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A13SW (W)	159	3	252904 201238
14	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Owen'S (Road Services) Ltd Location: Llangennech Industrial Estate, Llangennech, Sa14 8ts Authority: Carmarthenshire County Council, Environmental Health Department Permit Reference: EP/47/6.4 Dated: 26th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A13NW (W)	212	3	252843 201308
15	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: John Evans Motors Ltd Location: Globe Row, Dafen, Llanelli, Carmarthenshire, SA14 8PA Authority: Carmarthenshire County Council, Environmental Health Department Permit Reference: EP/24/1.1(WOB) Dated: 20th October 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A12NE (NW)	276	3	252790 201470
16	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Dyfed Powys Health Authority Location: Prince Philip Hospital, Dafen, Llanelli Authority: Carmarthenshire County Council, Environmental Health Department Permit Reference: LLN/EPA6/002/0 Dated: 27th January 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG5/1Clinical waste incineration processes under 1 tonne an hour Status: Authorisation certificate surrendered by operator Positional Accuracy: Manually positioned to the address or location</p>	A12NE (W)	537	3	252510 201360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Bryn Gelli Service Station Location: Gelli Road, Bryn, LLANELLI, Carmarthenshire, SA14 9AD Authority: Carmarthenshire County Council, Environmental Health Department Permit Reference: EP/01/1.2 (VR) Dated: 31st August 2003 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A9NE (SE)	887	3	253871 200646
	<p>Nearest Surface Water Feature</p>	A13NW (N)	0	-	253073 201391
18	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: At Pemberton, LLANELLI Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Neglect Incident Date: 1st March 1997 Incident Reference: 31334 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (N)	22	4	253100 201400
19	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Dafen Park Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Not Supplied Incident Date: 13th March 1997 Incident Reference: 31458 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	55	4	253000 201400
20	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Dafen Park Pond Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 17th May 1996 Incident Reference: 28489 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NE (N)	98	4	253200 201495
20	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Dafen Park Pond Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 17th May 1996 Incident Reference: 28489 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NE (N)	101	4	253200 201500
21	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: By Changing Rooms, Dafen Recreational Park Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 31st October 1996 Incident Reference: 30434 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	108	4	253000 201495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Waste Handling Facilities Location: Side Of Halfway, Pumphouse Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Inadequate Design/Capacity Incident Date: 17th August 1995 Incident Reference: 25888 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	112	4	253000 201500
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: DAFEN Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 30th April 1997 Incident Reference: 32382 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	145	4	252905 201395
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: At Dafen Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 30th April 1997 Incident Reference: 32382 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	150	4	252900 201395
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: 1/2 Mile (East) From Llys Cilsaig, LLANELLI Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 30th April 1997 Incident Reference: 32382 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	151	4	252900 201400
23	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: 20 Metres Below Calsonics, Outfall Opposite, Owens Transport Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accident Incident Date: 13th March 1997 Incident Reference: 31456 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (W)	159	4	252900 201300
24	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Dafen Park Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Tributary Of Afon Dafen Incident Date: 10th September 1997 Incident Reference: 33586 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown</p>	A13SW (W)	252	4	252800 201200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Maes Y Canner Road, Downstream Of Diaplastics Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Weather Incident Date: 6th July 1996 Incident Reference: 29066 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	254	4	252800 201100
26	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Dafen Park Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 15th January 1997 Incident Reference: 30932 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	277	4	252800 201500
27	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Near Old People's Home, Downstream Of Cefn Coed Museum Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 24th December 1996 Incident Reference: 30749 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	290	4	252800 201000
28	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Footbridge By, Industrial Estate Near Wier, Beyond Last Factory Authority: Environment Agency, Welsh Region Pollutant: Mining Water Note: Afon Dafen; Leachate Incident Date: 3rd February 1998 Incident Reference: 34752 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14NW (NE)	320	4	253500 201500
29	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: 150 Yards From, Camford Plastics Company Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Neglect Incident Date: 27th February 1997 Incident Reference: 31338 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Bypass Of Treatment Facilities Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18SE (N)	410	4	253300 201800
30	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: River Dafen; Run-Off Incident Date: 30th October 1997 Incident Reference: 34063 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor Management Control Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18SE (N)	503	4	253300 201900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage; Afon Dafen Incident Date: 7th July 1998 Incident Reference: 36211 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	541	4	252705 200695
31	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Building Sites Location: Dafen Park Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Deliberate Act Incident Date: 30th May 1996 Incident Reference: 28687 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	541	4	252700 200700
31	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Dafen Park Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Deliberate Act Incident Date: 30th May 1996 Incident Reference: 28687 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	545	4	252700 200695
32	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: At Lower End Of, Dafen Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor Management Incident Date: 25th February 1997 Incident Reference: 31432 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	672	4	253200 202095
32	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: By Bridge, Near Dafen Pond Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor Management Incident Date: 25th February 1997 Incident Reference: 31432 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	672	4	253205 202095
32	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: At 58 Trallwn Road, LLANELLI Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor Management Incident Date: 25th February 1997 Incident Reference: 31432 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	676	4	253200 202100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Rear Of Dafen Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor Management Incident Date: 25th February 1997 Incident Reference: 31432 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	677	4	253205 202100
32	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Upstream Of, Calsonics Outfall, Adjacent To Dafen Pond Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor Management Incident Date: 25th February 1997 Incident Reference: 31432 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	682	4	253205 202105
33	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Surface Water Outfall From, Camfod Pressings Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: River Dafen Incident Date: 30th October 1997 Incident Reference: 34064 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	674	4	253100 202100
34	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Pumping Station, HALFWAY Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Not Supplied Incident Date: 27th May 1992 Incident Reference: 4717 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	697	4	252700 200500
35	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Surface Runoff Location: Garden 1e 9, Glyncoy Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Weather Incident Date: 14th February 1992 Incident Reference: 3807 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	824	4	252500 200500
36	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Drain At, Cefncae Authority: Environment Agency, Welsh Region Pollutant: Chlorinated Water Note: Accidental Spillage/Leakage Incident Date: 3rd February 1996 Incident Reference: 27329 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	889	4	253200 200200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Halfway Hotel Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 11th October 1994 Incident Reference: 21565 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	890	4	252505 200405
37	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Hotel Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Weather Incident Date: 24th October 1995 Incident Reference: 26603 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	893	4	252500 200405
37	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Main, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 26th September 1994 Incident Reference: 21173 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	894	4	252505 200400
38	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Storm Overflow Location: LLANELLI Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Blocked Sewer Incident Date: 14th April 1995 Incident Reference: 23777 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SW (SW)	895	4	252450 200450
39	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Llanelli Opp, Halfway Motel, HALFWAY Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 26th July 1991 Incident Reference: 1319 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	897	4	252500 200400
39	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Dafen To, TROSTRE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 26th July 1991 Incident Reference: 1319 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	898	4	252505 200395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Maescanner, Roadbridge Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 26th July 1991 Incident Reference: 1319 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	901	4	252500 200395
39	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Council Premises Location: Bridge Near, Halfway Hotel Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Accidental Spillage/Leakage Incident Date: 27th February 1996 Incident Reference: 27433 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	936	4	252500 200350
39	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Accidental Spillage/Leakage Incident Date: 27th February 1996 Incident Reference: 27433 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	940	4	252500 200345
40	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Other Location: Halfway Pumping Station Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Mechanical Failure Incident Date: 6th August 1994 Incident Reference: 20697 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SW (SW)	965	4	252400 200400
40	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Passes Halfway Hotel, LLANELLI Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Afon Dafen; Natural Occurrence Incident Date: 12th August 1997 Incident Reference: 33237 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SW (SW)	969	4	252400 200395
41	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Glyngwernen Farm, Llethri Road, Felinfoel, Llanelli, Dyfed, Sa14 8 Prosecution Text: Site Used For The Collective Depositing And Burning Of Controlled Waste Prosecution Act: Epa90 S33(1a) & S3(1b) Hearing Date: 22nd October 2002 Verdict: Guilty Fine: 3000 Costs: 2382 Positional Accuracy: Manually positioned to the address or location</p>	A23SE (N)	981	4	253309 202392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Dafen GQA Grade: River Quality B Reach: Dafen Pond - Llethri B. Estimated Distance (km): 1.2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13NE (NE)	0	4	253209 201354
	River Quality Name: Dafen GQA Grade: River Quality B Reach: Su Butec Outfall - Dafen Pond Estimated Distance (km): .2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SE (SE)	0	4	253148 201243
	River Quality Name: Dafen GQA Grade: River Quality C Reach: Tidal Limit Trostre-Su Butec Outfall Estimated Distance (km): 3.9 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SW (SW)	79	4	252986 201100
42	River Quality Biology Sampling Points Name: Dafen Reach: Su Butec Outfall To Dafen Pond Estimated Distance: 0.20 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 1995 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2000 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2002 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2003 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2004 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2005 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2006 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2007 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2008 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good	A13NW (N)	22	4	253100 201400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<p>River Quality Biology Sampling Points</p> <p>Name: Dafen Reach: Tidal Limit Trostre To Su Butec Outfall Estimated Distance: 3.90 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2003 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2004 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good</p>	A13NW (W)	159	4	252900 201300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	<p>River Quality Chemistry Sampling Points</p> <p>Name: Dafen Reach: Su Butec Outfall To Dafen Pond Estimated Distance: 0.20 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied</p>	A13NW (NW)	65	4	252990 201400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p>River Quality Chemistry Sampling Points</p> <p>Name: Dafen Reach: Dafen Pond To Llethri R.B. Estimated Distance: 1.20 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied</p>	A13NE (NE)	219	4	253287 201579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p>River Quality Chemistry Sampling Points</p> <p>Name: Dafen Reach: Tidal Limit Trostre To Su Butec Outfall Estimated Distance: 3.90 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied</p>	A13SW (SW)	231	4	252823 201101
47	<p>Substantiated Pollution Incident Register</p> <p>Authority: Natural Resources Wales Incident Date: 8th May 2001 Incident Reference: 4776 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other</p>	A13SE (SE)	289	2	253333 200925

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	<p>Water Abstractions</p> <p>Operator: Carmarthenshire County Council Licence Number: 22/59/3/0043 Permit Version: 100 Location: Afon Dafen To Conservation Pond Authority: Environment Agency, Welsh Region Abstraction: Municipal Grounds: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Afon Dafen To Conservation Pond Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	200	4	253270 201570
48	<p>Water Abstractions</p> <p>Operator: Carmarthenshire County Council Licence Number: 22/59/3/0043 Permit Version: 101 Location: Afon Dafen To Conservation Pond Authority: Natural Resources Wales Abstraction: Municipal Grounds: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Supply To Amenity Pond At Former Tinplate Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	214	2	253280 201580
48	<p>Water Abstractions</p> <p>Operator: Carmarthenshire County Council Licence Number: 22/59/3/0043 Permit Version: Not Supplied Location: Dafen Pond At Former Tinplate Works Llanelli Authority: Natural Resources Wales Abstraction: Municipal Grounds: Lake And Pond Throughflow Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 165929 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	214	2	253280 201580
	<p>Water Abstractions</p> <p>Operator: Morgan Sindall Construction & Infrastructure Ltd Licence Number: Wa/059/0003/0010 Permit Version: Not Supplied Location: Halfway Sps, Halfway Sewage Pumping Station, Llanelli, Carmarthenshire, Sa15 1hu Authority: Natural Resources Wales Abstraction: Construction: Hydraulic Testing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2NW (SW)	1058	2	252441 200241

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Morgan Sindall Construction & Infrastructure Ltd Licence Number: Wa/059/0003/0012 Permit Version: Not Supplied Location: Halfway Sps, Halfway Sewage Pumping Station, Llanelli, Carmarthenshire, Sa15 1hu Authority: Natural Resources Wales Abstraction: Construction: Hydraulic Testing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2NW (SW)	1058	2	252441 200241
	<p>Water Abstractions</p> <p>Operator: Llanelli Radiators Licence Number: 22/59/3/0039 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 982 Yearly Rate (m3): 301577 Details: Borehole At Llanelli Radiators Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A22SW (NW)	1111	4	252400 202300
	<p>Water Abstractions</p> <p>Operator: Felinfoel Brewery Company Limited Licence Number: 22/59/3/0015 Permit Version: 101 Location: Borehole At Felinfoel Brewery Authority: Natural Resources Wales Abstraction: Breweries/Wine: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16NE (NW)	1411	2	251800 202040
	<p>Water Abstractions</p> <p>Operator: Felinfoel Brewery Licence Number: 22/59/3/0015 Permit Version: 100 Location: Borehole At Felinfoel Brewery Authority: Environment Agency, Welsh Region Abstraction: Breweries/Wine: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Felinfoel Brewery Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NW)	1411	4	251800 202040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Felinfoel Brewery Company Limited Licence Number: 22/59/3/0015 Permit Version: Not Supplied Location: Land At Felinfoel Brewery Authority: Natural Resources Wales Abstraction: Breweries/Wine: Non-Evaporative Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 45.46 Yearly Rate (m3): 13638 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16NE (NW)	1411	2	251800 202040
	<p>Water Abstractions</p> <p>Operator: Mr & Mrs D Samuel Licence Number: 22/59/2/0110 Permit Version: 100 Location: U/G Strata At Penllwyngwyn Farm Bryn Llangennech Authority: Environment Agency, Welsh Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: U/G Strata At Penllwyngwyn Farm Bryn Llangennech Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th November 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1840	4	255010 200940
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: <3m Superficial Thickness: <3m Superficial Recharge: Medium</p>	A13NW (SW)	0	2	253113 201263
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: <3m Superficial Thickness: <3m Superficial Recharge: Medium</p>	A13NW (NW)	0	2	253044 201369
	<p>Bedrock Aquifer Designations</p> <p>Aquifer Designation: Secondary Aquifer - A</p>	A13NW (SW)	0	2	253113 201263
	<p>Superficial Aquifer Designations</p> <p>Aquifer Designation: Secondary Aquifer - Undifferentiated</p>	A13NW (SW)	0	2	253113 201263
	<p>Superficial Aquifer Designations</p> <p>Aquifer Designation: Secondary Aquifer - A</p>	A13NW (NW)	0	2	253044 201369

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	0	2	253106 201237
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	0	2	253074 201383
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 380.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A13NW (N)	0	5	253071 201390
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SW (S)	22	5	253104 201069
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (S)	22	5	253165 201099
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13NW (NW)	27	5	253038 201422
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A13NW (NW)	28	5	252997 201394
54	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 40.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13NW (N)	28	5	253048 201431
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SW (S)	47	5	253080 201035

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SW (S)	79	5	253107 201004
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	90	5	253225 201119
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	90	5	253225 201119
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	90	5	253225 201119
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	102	5	253239 201119
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	113	5	253227 201076
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	119	5	253247 201098
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	120	5	253263 201126
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 306.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SW (S)	129	5	253121 200959

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.7 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A13NW (W)	157	5	252901 201294
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13NE (NE)	174	5	253304 201503
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13NE (NE)	177	5	253322 201494
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13NE (NE)	178	5	253328 201491
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A13SW (W)	208	5	252844 201194
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 347.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A13SW (W)	210	5	252840 201186
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (E)	210	5	253386 201185
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SW (W)	210	5	252840 201186
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 0.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (E)	214	5	253387 201179

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 478.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (E)	214	5	253387 201179
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (E)	214	5	253383 201168
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (E)	216	5	253382 201165
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (E)	218	5	253382 201163
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	221	5	253271 200960
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13SE (SE)	224	5	253273 200958
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	254	5	253312 201607
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A18SE (NE)	254	5	253304 201612
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13NE (NE)	263	5	253352 201579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13NE (NE)	264	5	253383 201557
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A13NE (NE)	264	5	253380 201559
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (W)	290	5	252763 201273
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (W)	292	5	252756 201381
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (W)	301	5	252747 201389
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (W)	301	5	252747 201389
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8NW (SW)	362	5	252860 200797
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8NW (SW)	367	5	252852 200798
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8NW (SW)	369	5	252847 200798

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14SW (E)	380	5	253568 201190
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14SW (E)	385	5	253574 201190
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (NW)	391	5	252672 201475
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (NW)	391	5	252672 201475
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (NW)	399	5	252696 201569
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (NW)	400	5	252701 201580
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (NW)	400	5	252692 201562
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A12NE (NW)	400	5	252669 201515
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8NE (SE)	402	5	253413 200845

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 334.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8NE (SE)	403	5	253414 200846
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8NE (SE)	403	5	253409 200841
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8NE (SE)	403	5	253409 200841
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 390.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A7NE (SW)	405	5	252748 200855
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8NE (SE)	408	5	253412 200835
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14SW (E)	423	5	253612 201188
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14SW (E)	423	5	253612 201188
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	433	5	253426 201743
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A18SE (NE)	433	5	253426 201743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A17SE (NW)	446	5	252740 201716
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A17SE (NW)	447	5	252742 201719
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A17SE (NW)	447	5	252742 201719
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	449	5	253442 201750
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	454	5	253397 201795
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	460	5	253403 201797
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A18SE (NE)	462	5	253406 201798
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	476	5	253390 201826
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A18SE (NE)	476	5	253390 201826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	478	5	253469 201764
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	500	5	253465 201799
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A7NE (SW)	504	5	252660 200808
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	A19SW (NE)	507	5	253522 201757
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	507	5	253522 201757
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14SW (E)	509	5	253659 201062
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	509	5	253421 201845
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14SW (E)	512	5	253660 201060
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	A19SW (NE)	513	5	253519 201766

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	513	5	253498 201785
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	515	5	253428 201847
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	A19SW (NE)	517	5	253522 201769
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	A19SW (NE)	517	5	253522 201769
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SW (NW)	519	5	252852 201882
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18SE (NE)	525	5	253425 201862
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	546	5	253571 201768
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	554	5	253512 201829
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	561	5	252966 201964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	A19SW (NE)	570	5	253555 201811
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	579	5	253612 201775
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	579	5	253612 201775
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	579	5	253612 201775
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 317.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NE (N)	579	5	253284 201985
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 144.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A18NE (N)	579	5	253284 201985
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	580	5	253639 201749
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	598	5	253578 201829
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	598	5	252828 201957

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	601	5	253731 201663
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	619	5	252961 202022
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	627	5	252962 202031
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	628	5	252963 202032
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	640	5	253586 201876
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14NE (E)	648	5	253849 201496
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	650	5	252977 202059
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	652	5	252978 202062
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	653	5	253590 201890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A7NE (SW)	656	5	252574 200668
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 358.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NE (N)	660	5	253412 202024
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	665	5	253748 201751
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	666	5	253558 201943
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 169.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A7NE (SW)	668	5	252560 200666
160	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	671	5	253562 201940
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	675	5	253813 201668
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	677	5	253577 201936
163	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	678	5	253580 201934

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A18NE (N)	678	5	253215 202100
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	685	5	253594 201930
166	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	686	5	253597 201929
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	693	5	253610 201926
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A18NE (N)	694	5	253220 202116
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	697	5	253621 201921
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SW (NE)	697	5	253621 201921
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	705	5	252900 202094
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	705	5	252905 202096

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	706	5	252900 202094
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	710	5	252869 202090
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 310.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	725	5	253819 201757
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	736	5	253629 201968
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	736	5	253629 201968
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A17NE (NW)	753	5	252735 202086
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NE (N)	754	5	253158 202180
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 527.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	755	5	252819 202122
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	755	5	252819 202122

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	760	5	253839 201788
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	760	5	253839 201788
184	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	762	5	253686 201952
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	763	5	252864 202143
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 370.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NW (NE)	766	5	253692 201953
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A7SE (SW)	767	5	252576 200507
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14NE (E)	770	5	253984 201419
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A7SE (SW)	772	5	252564 200510
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	779	5	252853 202157

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	796	5	253883 201787
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	799	5	253887 201787
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14NE (E)	801	5	253992 201553
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A7SE (SW)	802	5	252489 200543
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A7SE (SW)	805	5	252506 200520
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 276.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A7SE (SW)	812	5	252545 200473
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A7SE (SW)	812	5	252491 200526
198	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A8SW (S)	817	5	253049 200266
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A7SE (SW)	822	5	252471 200533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A17NE (NW)	822	5	252685 202137
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 190.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NE (N)	822	5	253223 202243
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A18NE (N)	822	5	253223 202243
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 230.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A17NE (NW)	825	5	252682 202139
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19NE (NE)	834	5	253815 201934
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (E)	847	5	254021 201619
206	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 386.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	849	5	253894 201865
207	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Dafen Catchment Name: Loughor Primacy: 1	A23SE (N)	851	5	253216 202274
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	855	5	253953 201787

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A19SE (NE)	857	5	253956 201787
210	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A18NW (N)	860	5	252796 202225
211	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A17NE (N)	870	5	252791 202233
212	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A14NE (E)	880	5	254077 201536
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A22SE (N)	909	5	252773 202268
214	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A22SE (N)	932	5	252763 202289
215	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	A17NW (NW)	999	5	252252 201992

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	<p>Historical Landfill Sites</p> <p>Licence Holder: South Wales Disposit Co Location: Near North Terrace Name: Dafen Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13945 First Input Date: 31st January 1973 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6825/0077 BGS Ref: Not Supplied Other Ref: Not Supplied</p>	A13NW (N)	54	2	253102 201475
217	<p>Historical Landfill Sites</p> <p>Licence Holder: Llannelli Rural District Council Location: Llannelli Name: Rear Of Havard Road, Llannelli Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13970 First Input Date: 31st December 1958 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6825/0115 BGS Ref: Not Supplied Other Ref: Not Supplied</p>	A7SE (SW)	731	2	252613 200521
218	<p>Historical Landfill Sites</p> <p>Licence Holder: Carmarthenshire County Council Location: Dafen, Llannelli Name: Capel Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14407 First Input Date: 31st December 1997 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert, Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6825/0007 BGS Ref: Not Supplied Other Ref: Not Supplied</p>	A12SW (SW)	758	2	252327 200919
219	<p>Historical Landfill Sites</p> <p>Licence Holder: Modern Disposals Location: Penrys Road, Bryn Name: Penrys Pit Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13964 First Input Date: 31st December 1971 Last Input Date: 30th April 1994 Specified Waste: Deposited Waste included Inert, Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6825/0107 BGS Ref: Not Supplied Other Ref: LLN/WD/003, 6825/0050</p>	A19NE (NE)	889	2	253892 201930
220	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Felinfoel Name: Calsonic Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34410 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied</p>	A17NW (NW)	987	2	252409 202147

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Glyngwernen Quarry Licence Number: 34123 Location: Glyngwernen Quarry, Felinfoel, Llanelli, Carmar, SA14 8QA Licence Holder: C A Blackwell Contracts Ltd Authority: Natural Resources Wales Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Max Input Rate: Not Supplied Licence Status: Inactive Issued: 9th November 1995 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A23SE (N)	989	2	253417 202374
222	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: DP3098FN Location: Pencoed Yard, Bellevue Road, Bynea, Llanelli, Carmarthenshire, SA14 9LN Operator Name: Dafen Service Station Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Effective Issued: 30th November 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NW (W)	195	2	252853 201353
222	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: DP3098FN Location: Pencoed Yard, Bellevue Road, Bynea, Llanelli, Carmarthenshire, SA14 9LN Operator Name: Dafen Service Station Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Effective Issued: 30th November 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually corrected supplier location</p>	A13NW (W)	195	2	252853 201353
223	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 34106 Location: Prince Philip Hospital, Bryngwynmawr, Dafen, Llanelli, Carmarthenshire, SA14 8QF Operator Name: Llanelli/Dinefwr NHS Trust Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Clinical Waste Transfer Stations Licence Status: Surrendered Issued: 20th September 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 22nd August 2000 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	661	2	252400 201500
224	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: BB3892CT Location: Unit 12, Llanelli Gate, Dafen, Llanelli, Carmarthenshire, SA14 8LQ Operator Name: EV RECYCLING LTD Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Mixed) Licence Status: Effective Issued: 10th October 2023 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	766	2	253813 201833

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Carmarthenshire County Council - Has no landfill data to supply		0	6	253113 201263
225	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (W)	118	-	252940 201202
226	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NE (NE)	186	-	253397 201400
227	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SE (E)	206	-	253367 201160
228	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NE (NW)	302	-	252771 201495
229	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (S)	316	-	253206 200790
230	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	355	-	252950 200753
231	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (SE)	379	-	253381 200843
232	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	432	-	253056 200651
233	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	443	-	253498 201694
234	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	459	-	252703 201694
235	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (S)	468	-	253145 200618
236	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	470	-	253618 201597
237	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	493	-	253563 201704
238	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (S)	501	-	253163 200587
239	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	517	-	253121 200566
240	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NE (N)	548	-	253183 201972

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NW (E)	587	-	253803 201341
242	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NE (SW)	629	-	252638 200638
243	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	641	-	253505 201946
244	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	650	-	253810 201617
245	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (SE)	655	-	253455 200542
246	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	671	-	252585 201880
247	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	690	-	252880 200422
248	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	740	-	253644 201960
249	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NE (N)	744	-	253380 202128
250	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	756	-	253618 202004
251	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	792	-	253017 200292
252	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	818	-	253790 201936
253	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	848	-	253767 201997
254	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	889	-	253986 201798
255	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9NE (E)	925	-	254034 200883
256	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A11NE (W)	975	-	252087 201532

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
257	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17NW (NW)	982	-	252329 202062
258	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A13NW (SW)	0	-	253113 201263
259	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A13NW (N)	8	-	253113 201420
260	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A13SW (SW)	243	-	252868 200971
261	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8NW (S)	258	-	253050 200826
262	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A13SW (SW)	263	-	252819 201023
263	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A17SE (NW)	428	-	252715 201660
264	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A17SE (NW)	438	-	252677 201618
265	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A18SE (NE)	482	-	253396 201829
266	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A18SE (NE)	485	-	253381 201842
267	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A18SW (NW)	509	-	252799 201843
268	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A19SW (NE)	513	-	253525 201762
269	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A19SW (NE)	552	-	253569 201777
270	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1891	A19SW (NE)	580	-	253614 201774
271	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A17SE (NW)	690	-	252472 201767
272	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A18NW (N)	714	-	253063 202138
273	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NW (SE)	770	-	253741 200664
274	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A8SE (S)	789	-	253157 200296
275	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8SW (S)	815	-	253061 200267
276	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A23SW (N)	922	-	252950 202331

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
277	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A17NE (NW)	957	-	252491 202175
278	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A9SW (SE)	967	-	253737 200367
279	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A4NW (S)	970	-	253522 200217
280	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A23SW (N)	972	-	252993 202390
281	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A3NW (S)	1000	-	252955 200090
282	Registered Landfill Sites Licence Holder: James Brown Skip Hire Licence Reference: LLN/WD/003 Site Location: Land West Of Penprys Colliery, Llanelli, Carmarthenshire Licence Easting: 253900 Licence Northing: 201940 Operator Location: Pencoed Yard, Bynea, Llanelli, Carmarthenshire Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Some restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Brickwork, Concrete Glass Top/Subsoil, Clay, Sand	A19NE (NE)	901	4	253900 201940
283	Registered Waste Transfer Sites Licence Holder: South Wales Disposal Co Licence Reference: CP/DL/6 Site Location: Vitreflex Yard, Dafen, Llanelli, Carmarthenshire Operator Location: As Site Address Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1982 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Lime Sludge Paint Contaminated Rags Tallow Oil Environment Agency Waste N.O.S must give specific authorisation for this waste to be acceptedWaste requires prior approval	A13NW (NW)	151	4	252900 201400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
284	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Llanelli/Dynefwr N.Hs. Trust Licence Reference: LLN/WT/005 Site Location: Prince Phillip Hospital, Bryngwynmawr, Dafen, LLANELLI, Carmarthenshire, SA14 8QF</p> <p>Operator Location: As Site Address Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Only waste produced on site</p> <p>Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 20th September 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical Wastes From On-Site Only Prohibited Waste: Highly Flam./Lpg Regs'72 Subs Percussive/Explosive/Similar Waste Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Sub'S Control. Radioactive Subs Act'60 Waste N.O.S.</p>	A12NE (W)	548	4	252500 201400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13NW (SW)	0	1	253113 201263
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (SW)	0	1	253113 201263
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NE (S)	292	1	253263 200851
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	367	1	252757 201613
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SW (NE)	413	1	253497 201655
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9NW (SE)	615	1	253667 200832
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	727	1	253372 202113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NE (E)	805	1	254019 201289
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NW (SW)	878	1	252311 200665
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SE (E)	909	1	254073 201030
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A17SW (NW)	950	1	252151 201684
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A19NW (NE)	951	1	253614 202247
285	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Colliery</p> <p>Location: Llanelli, Carmarthenshire</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Reference: 100303</p> <p>Type: Underground</p> <p>Status: Ceased</p> <p>Operator: Unknown Operator</p> <p>Operator Location: Not Supplied</p> <p>Periodic Type: Carboniferous</p> <p>Geology: Grovesend Formation</p> <p>Commodity: Coal - Deep</p> <p>Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	180	1	253394 201383

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
286	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Bryn-Gwyn Pit Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101443 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A13NW (W)	242	1	252809 201321
287	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gelli Pit Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100286 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A13SE (E)	265	1	253431 201153
288	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Globe Row Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101461 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A12NE (NW)	304	1	252769 201494
289	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors-Fach Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100326 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	311	1	253197 200792
290	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Cwm-Y-Nant Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100307 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	367	1	253368 200846
291	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Ceillogi Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100287 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	393	1	252893 200738

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
292	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100279 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	472	1	253618 201600
293	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Ceiliogi Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100338 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	473	1	253141 200612
293	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Ceiliogi Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100337 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	500	1	253157 200587
294	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100333 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	486	1	253553 201703
295	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Cil-Saig Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101436 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	543	1	253166 201969
296	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Colliery Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101435 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	581	1	252673 201839

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100298 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	627	1	253502 201932
298	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Waun-Wrla Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100288 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	637	1	252631 200634
299	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Cwm-Carn-Hywel Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100308 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SE (SE)	650	1	253448 200543
300	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gelli-Gele Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100334 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	660	1	253816 201628
301	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101434 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	673	1	252581 201878
302	<p>BGS Recorded Mineral Sites</p> <p>Site Name: St. David Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100306 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	681	1	253897 201330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
303	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100299 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	729	1	253633 201955
304	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Halfway Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100291 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	741	1	252924 200358
305	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100297 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	750	1	253613 202001
306	<p>BGS Recorded Mineral Sites</p> <p>Site Name: St. David'S Pit Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100285 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	780	1	253997 201346
307	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Halfway Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100324 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	791	1	253013 200294
308	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100275 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	812	1	253786 201931

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
309	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Glyngwernen Isaf Location: Glyngwernen, Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 547 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	836	1	253583 202130
310	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100276 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NE (NE)	902	1	253850 201994
311	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Prys Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100278 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	907	1	253990 201827
311	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Prys Pit Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100277 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	926	1	254025 201805
312	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Cae-Mabley Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100302 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	918	1	254028 200884
313	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101440 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	926	1	253792 202078

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
314	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Y-Gaer-Uchaf Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 102252 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A11NE (W)	977	1	252084 201528
315	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101439 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NE (NE)	981	1	253817 202128
316	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pwll-Bach Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100434 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17NW (NW)	988	1	252320 202060
317	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Llygad-Yr-Ych Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100339 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	993	1	252293 200481
318	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101438 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	999	1	253789 202178
	<p>BGS Measured Urban Soil Chemistry</p> <p>No data available</p>				
	<p>BGS Urban Soil Chemistry Averages</p> <p>No data available</p>				
	<p>Coal Mining Affected Areas</p> <p>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.</p>	A13NW (SW)	0	7	253113 201263

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (SW)	0	-	253113 201263
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	253013 201371
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	182	1	253262 201553
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	3	1	253065 201407
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	115	1	252944 201290
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	184	1	253259 201557
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	198	1	253405 201414
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	233	1	253207 200880
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	253158 201231
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	3	1	253065 201407
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	25	1	253170 201097
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	56	1	253231 201224
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	115	1	252944 201290
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	184	1	253259 201557
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	243	1	252832 201031

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (SW)	0	1	253113 201263
	<p>Radon Potential - Radon Affected Areas</p> <p>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (SW)	0	1	253113 201263
	<p>Radon Potential - Radon Protection Measures</p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (SW)	0	1	253113 201263

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
319	<p>Contemporary Trade Directory Entries</p> <p>Name: Dafen Location: Dafen Industrial Estate, Dafen, Llanelli, Dyfed, SA14 8NS Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A13SW (W)	10	-	253062 201245
320	<p>Contemporary Trade Directory Entries</p> <p>Name: Zodiac Milpro Uk Ltd Location: Dafen, Llanelli, Dyfed, SA14 8NA Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SE (S)	65	-	253141 201046
320	<p>Contemporary Trade Directory Entries</p> <p>Name: Performance Empire Ltd Location: Dafen Trade Park, Dafen, Llanelli, Dyfed, SA14 8NA Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A13SE (S)	71	-	253142 201038
320	<p>Contemporary Trade Directory Entries</p> <p>Name: Motorme Location: Unit 21 Dafen Trade Park, Dafen, Llanelli, Dyfed, SA14 8NA Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A13SE (S)	71	-	253142 201038
321	<p>Contemporary Trade Directory Entries</p> <p>Name: Radnedge Reclaim Flooring Ltd Location: Dafen Inn Row, Dafen, Llanelli, Dyfed, SA14 8NS Classification: Reclamation Centres Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A13NE (NE)	69	-	253217 201434
321	<p>Contemporary Trade Directory Entries</p> <p>Name: Abbey Research & Development Ltd Location: Tube Works, Industrial Estate, Dafen, Llanelli, Dyfed, SA14 8NS Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	69	-	253217 201434
321	<p>Contemporary Trade Directory Entries</p> <p>Name: A M S Commercials Ltd Location: GORS WORKS, DAFEN INDUSTRIAL ESTATE, DAFEN, LLANELLI, SA14 8NS Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	69	-	253217 201433
322	<p>Contemporary Trade Directory Entries</p> <p>Name: J S Morse Location: 1-3, Maescanner Road, Llanelli, Dyfed, SA14 8LR Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	85	-	252973 201113
323	<p>Contemporary Trade Directory Entries</p> <p>Name: Shell Location: Dafen Road, Llanelli, Dyfed, SA14 8LY Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A13SW (W)	159	-	252904 201238
323	<p>Contemporary Trade Directory Entries</p> <p>Name: Dafen Service Station Location: Dafen Road, Llanelli, Dyfed, SA14 8LY Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A13SW (W)	159	-	252904 201238
324	<p>Contemporary Trade Directory Entries</p> <p>Name: Owens Group Location: Dafen Industrial Estate, Dafen, Llanelli, SA14 8QE Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A13NW (W)	211	-	252847 201301

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
324	<p>Contemporary Trade Directory Entries</p> <p>Name: Dyfed Recycling Location: Dafen Ind Est, Dafen, Llanelli, Dyfed, SA14 8QE Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A13NW (W)	212	-	252843 201308
325	<p>Contemporary Trade Directory Entries</p> <p>Name: Perfection Blinds Location: 3a, Gorsfach, Llanelli, Dyfed, SA14 8NE Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	275	-	253056 200808
326	<p>Contemporary Trade Directory Entries</p> <p>Name: John Evans Location: Bryngwyn House, Globe Row, Llanelli, Dyfed, SA14 8PA Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	277	-	252790 201470
327	<p>Contemporary Trade Directory Entries</p> <p>Name: Business & Vehicle Finance Location: Globe Row, Llanelli, Dyfed, SA14 8PA Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A12NE (NW)	327	-	252771 201559
327	<p>Contemporary Trade Directory Entries</p> <p>Name: Llanelli Motor Co Location: Globe Row, Llanelli, Dyfed, SA14 8PA Classification: Car Dealers - Used Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A12NE (NW)	327	-	252771 201558
328	<p>Contemporary Trade Directory Entries</p> <p>Name: Redstar Marketing Location: Unit 6, Heol Cropin, Dafen, Llanelli, Dyfed, SA14 8QW Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	426	-	253172 201851
329	<p>Contemporary Trade Directory Entries</p> <p>Name: Teddington Engineered Solutions Location: Unit 1, Heol Cropin, Dafen Ind Est/Dafen, Llanelli, Dyfed, SA14 8QW Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A18SE (NE)	443	-	253350 201812
330	<p>Contemporary Trade Directory Entries</p> <p>Name: E B S Automation Location: 7, Heol Cropin, Dafen, Llanelli, Dyfed, SA14 8QW Classification: Automation Systems & Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	458	-	253060 201879
331	<p>Contemporary Trade Directory Entries</p> <p>Name: All Scrap Vehicles Location: 12a, Pemberton Park, Llanelli, Dyfed, SA14 8NN Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	500	-	252940 200603
332	<p>Contemporary Trade Directory Entries</p> <p>Name: Prince Phillip Hospital Location: Bryngwyn Mawr, Dafen, Llanelli, Dyfed, SA14 8QF Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	588	-	252459 201367
333	<p>Contemporary Trade Directory Entries</p> <p>Name: Moseley Brothers Ltd Location: Unit 5, Heol Aur, Dafen, Llanelli, Dyfed, SA14 8QN Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	649	-	253156 202076
334	<p>Contemporary Trade Directory Entries</p> <p>Name: Cains Location: Pemberton Rd, Llanelli, Dyfed, SA14 9BG Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A8SW (S)	693	-	252928 200406

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
335	Contemporary Trade Directory Entries Name: At Cost Windows Location: Unit 10, Llanelli Gate, Dafen, LLANELLI, Dyfed, SA14 8LQ Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	695	-	253709 201843
335	Contemporary Trade Directory Entries Name: Atcost Windows Location: Unit 10 Llanelli Gate Business Park, Dafen, Llanelli, Dyfed, SA14 8LQ Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	698	-	253708 201849
335	Contemporary Trade Directory Entries Name: D X Location: Unit 13, Llanelli Gate, Dafen, Llanelli, SA14 8LQ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	705	-	253739 201826
336	Contemporary Trade Directory Entries Name: L R Jones Location: 90, Brynawelon, Llanelli, Dyfed, SA14 8RA Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	705	-	253650 200655
337	Contemporary Trade Directory Entries Name: Capital Plastics Cardiff Ltd Location: UNIT 10, THE BEACON, LLANELLI GATE, DAFEN, LLANELLI, SA14 8LQ Classification: Plastic Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	718	-	253543 202014
337	Contemporary Trade Directory Entries Name: Melin Location: The Beacon, Dafen Business Park, Dafen, Llanelli, Dyfed, SA14 8LQ Classification: Energy Efficient Products and Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	718	-	253543 202014
338	Contemporary Trade Directory Entries Name: Powell Location: Unit 1, Heol Aur, Dafen, Llanelli, Dyfed, SA14 8QN Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	721	-	253336 202118
338	Contemporary Trade Directory Entries Name: Dafen Warehousing Solutions Ltd Location: Unit 2, Heol Aur, Dafen, Llanelli, SA14 8QN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	723	-	253309 202128
338	Contemporary Trade Directory Entries Name: Victorian House Location: Unit 2, Heol Cropin, Dafen, Llanelli, Dyfed, SA14 8QW Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	724	-	253310 202129
338	Contemporary Trade Directory Entries Name: Newgistics Freight Solutions Ltd Location: Unit 2, Heol Aur, Dafen, Llanelli, Dyfed, SA14 8QN Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	724	-	253310 202129
338	Contemporary Trade Directory Entries Name: Carclo Plc Location: Unit 2, Heol Cropin, Dafen Industrial Estate, Dafen, Llanelli, Dyfed, SA14 8QW Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	724	-	253310 202129
338	Contemporary Trade Directory Entries Name: Crest Trade Frames Ltd Location: Unit 1, Heol Aur, Dafen, Llanelli, SA14 8QN Classification: Window Frame Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	729	-	253337 202126

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
338	<p>Contemporary Trade Directory Entries</p> <p>Name: Powell Mail Order Ltd Location: Unit 1, Heol Aur, Dafen, Llanelli, Dyfed, SA14 8QN Classification: Materials Handling Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	729	-	253338 202126
338	<p>Contemporary Trade Directory Entries</p> <p>Name: Geo Site & Testing Services Ltd Location: Unit 3-4, Heol Aur, Dafen, Llanelli, SA14 8QN Classification: Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	766	-	253319 202169
339	<p>Contemporary Trade Directory Entries</p> <p>Name: Squeaky Clean Swansea Location: 61, Pemberton Road, Llanelli, SA14 9BH Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	722	-	253011 200363
340	<p>Contemporary Trade Directory Entries</p> <p>Name: C & R Office Cleaning Services Location: 81, Pemberton Road, Llanelli, Dyfed, SA14 9BH Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	746	-	253078 200335
341	<p>Contemporary Trade Directory Entries</p> <p>Name: Picton Sports Location: Heol Aur, Dafen, Llanelli, Dyfed, SA14 8QN Classification: Sports Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	774	-	253059 202197
342	<p>Contemporary Trade Directory Entries</p> <p>Name: Treharne Automotive Location: The Beacon Workshops, Llanelli Gate, Dafen, Llanelli, Dyfed, SA14 8LQ Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	783	-	253663 202000
343	<p>Contemporary Trade Directory Entries</p> <p>Name: Bob Lloyd Location: Pemberton Road, Llanelli, Dyfed, SA14 9BG Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	787	-	253133 200296
343	<p>Contemporary Trade Directory Entries</p> <p>Name: D R J Car Sales Location: UNIT B, WHITE LION GARAGE, PEMBERTON ROAD, LLANELLI, SA14 9BG Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	787	-	253132 200296
344	<p>Contemporary Trade Directory Entries</p> <p>Name: Screwfix Llanelli Location: Llandafen Road, Llanelli, SA14 9BD Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SE (S)	815	-	252774 200328
344	<p>Contemporary Trade Directory Entries</p> <p>Name: Halfords Autocentre Llanelli Location: Unit 15, Parc Pemberton Retail Park, Llanelli, Dyfed, SA14 9UZ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SE (S)	858	-	252781 200279
345	<p>Contemporary Trade Directory Entries</p> <p>Name: Siddell Environmental Services Location: Ty Bryn, Havard Road, Llanelli, Dyfed, SA14 8SA Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	822	-	252356 200700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
345	<p>Contemporary Trade Directory Entries</p> <p>Name: Siddell Environmental Services Ltd Location: Ty Bryn, Havard Road, Llanelli, Dyfed, SA14 8SA Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	822	-	252356 200700
346	<p>Contemporary Trade Directory Entries</p> <p>Name: Cawdor Frame Ltd Location: 55, Capel Road, Llanelli, Dyfed, SA14 8SL Classification: PVC-U Products - Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	878	-	252172 201089
347	<p>Contemporary Trade Directory Entries</p> <p>Name: Bryn Gelli Services Location: Gelli Road, Llanelli, Dyfed, SA14 9AD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	888	-	253878 200655
348	<p>Contemporary Trade Directory Entries</p> <p>Name: Halfway Location: Glyncoed Terrace, Llanelli, Dyfed, SA15 1EZ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SW (SW)	895	-	252455 200444
348	<p>Contemporary Trade Directory Entries</p> <p>Name: Pinetree Motor Car Sales Location: 27, Glyncoed Terrace, Llanelli, Dyfed, SA15 1EZ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A7SW (SW)	895	-	252455 200444
348	<p>Contemporary Trade Directory Entries</p> <p>Name: Halfway Service Station Location: 27 Glyncoed Ter, Llanelli, Dyfed, SA15 1EZ Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A7SW (SW)	911	-	252446 200431
348	<p>Contemporary Trade Directory Entries</p> <p>Name: South Wales Damp Solutions Location: 42, Glyncoed Terrace, Llanelli, SA15 1EZ Classification: Damp & Dry Rot Control Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SW (SW)	943	-	252428 200404
349	<p>Contemporary Trade Directory Entries</p> <p>Name: Gelli Service Station Location: Brynsierfel, Llanelli, Dyfed, SA14 9HD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p>	A9SW (SE)	931	-	253588 200298
350	<p>Contemporary Trade Directory Entries</p> <p>Name: Currys P C World Location: 1, Parc Pemberton Retail Park, Llanelli, Dyfed, SA14 9UZ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A3NW (S)	943	-	252805 200180
350	<p>Contemporary Trade Directory Entries</p> <p>Name: Currys Location: Unit 1 Parc Pemberton Retail Park, Llanelli, Dyfed, SA14 9UZ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A3NW (S)	958	-	252801 200167
350	<p>Contemporary Trade Directory Entries</p> <p>Name: Currys Location: 1, PARC PEMBERTON RETAIL PARK, LLANELLI, SA14 9UZ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A3NW (S)	958	-	252801 200167
351	<p>Contemporary Trade Directory Entries</p> <p>Name: T W M Ltd Location: Pwllbach, Dafen, Llanelli, Dyfed, SA14 8PD Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17NW (NW)	966	-	252352 202063

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
351	<p>Contemporary Trade Directory Entries</p> <p>Name: Prima Foods Uk Ltd Location: Flat 1, Pwll Bach Farm, Dafen, Llanelli, SA14 8PD Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17NW (NW)	966	-	252351 202062
352	<p>Contemporary Trade Directory Entries</p> <p>Name: Bryn Plumbing & Heating Location: 16, Eiddil, Llanelli, Dyfed, SA14 9AE Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	968	-	253944 200610
353	<p>Contemporary Trade Directory Entries</p> <p>Name: Cut N Scroll Location: 29, Heol Gwili, Llanelli, Dyfed, SA14 9HF Classification: Wood Products, Except Furniture - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A4NW (SE)	979	-	253559 200225
354	<p>Contemporary Trade Directory Entries</p> <p>Name: Crystal Carpet Cleaning Location: 3, Brynheulog, Llanelli, Dyfed, SA14 8AF Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address</p>	A16SE (W)	995	-	252085 201617
355	<p>Contemporary Trade Directory Entries</p> <p>Name: Dar Services Location: 33, Brynheulog, Llanelli, SA14 8AF Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11NE (W)	997	-	252067 201548
356	<p>Fuel Station Entries</p> <p>Name: Dafen Service Station Location: Dafen Road, Dafen, Llanelli, Carmarthenshire, SA14 8LY Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location</p>	A13SW (W)	159	-	252904 201238
357	<p>Fuel Station Entries</p> <p>Name: Bryn Gelli Services Location: Gelli Road, Bryn, Llanelli, Carmarthenshire, SA14 9AD Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location</p>	A9NE (SE)	888	-	253877 200654
358	<p>Points of Interest - Commercial Services</p> <p>Name: A M S Commercials Ltd Location: Gors Works, Dafen Industrial Estate, Dafen, Llanelli, SA14 8NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A13NE (NE)	69	8	253217 201433
359	<p>Points of Interest - Commercial Services</p> <p>Name: Shell Car Wash Location: Dafen Road, Llanelli, SA14 8LY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location</p>	A13SW (W)	158	8	252904 201242
359	<p>Points of Interest - Commercial Services</p> <p>Name: Dafen Service Station Location: Dafen Road, Dafen, Llanelli, SA14 8LY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location</p>	A13SW (W)	159	8	252904 201238
359	<p>Points of Interest - Commercial Services</p> <p>Name: Car Wash Location: Dafen Road, Dafen, Llanelli, Dyfed, SA14 8LY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location</p>	A13SW (W)	159	8	252904 201238

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
360	Points of Interest - Commercial Services Name: Owens Road Services Ltd Location: Dafen, Llanelli, SA14 8QE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (W)	212	8	252843 201308
360	Points of Interest - Commercial Services Name: Owens Group Location: Dafen Road, Dafen, Llanelli, SA14 8QE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (W)	214	8	252842 201307
360	Points of Interest - Commercial Services Name: Dafen MOT Centre Location: Dafen Service Station, Industrial Estate, Dafen, Llanelli, SA14 8NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (W)	232	8	252816 201354
361	Points of Interest - Commercial Services Name: Llanelli Motor Company Location: Globe Row, Llanelli, SA14 8PA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (NW)	258	8	252793 201411
362	Points of Interest - Commercial Services Name: All Scrap Vehicles Location: 12 Pemberton Park, Llanelli, SA14 8NN Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A8NW (S)	490	8	252934 200615
363	Points of Interest - Commercial Services Name: Home Delivery Network Location: Unit 10 Heol Croppin,, Dafen, Llanelli, Dyfed, SA14 8QW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	522	8	253228 201940
364	Points of Interest - Commercial Services Name: Cymru Autoglazing Location: Unit C3 Llanelli Gate, Dafen, Llanelli, SA14 8LQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	624	8	253602 201843
365	Points of Interest - Commercial Services Name: Newgistics Freight Solutions Ltd Location: Unit 2, Heol Aur, Dafen, Llanelli, SA14 8QN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	724	8	253310 202129
366	Points of Interest - Commercial Services Name: DX Location: Unit 13 Llanelli Gate, Dafen, Llanelli, SA14 8LQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SE (NE)	784	8	253831 201839
367	Points of Interest - Commercial Services Name: Caine's M O T Centre Location: Pemberton Road, Llanelli, SA14 9BH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	784	8	253124 200299
367	Points of Interest - Commercial Services Name: White Lion Garage Location: Pemberton Road, Llanelli, SA14 9BG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	787	8	253132 200296
367	Points of Interest - Commercial Services Name: Bob Lloyd Location: Pemberton Road, Llanelli, SA14 9BG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	787	8	253133 200296

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
367	Points of Interest - Commercial Services Name: Car Wash Location: Pemberton Road, Llwynhendy, Llanelli, Dyfed, SA14 9BH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8SE (S)	787	8	253133 200296
368	Points of Interest - Commercial Services Name: Bryn Gelli Services Location: Gelli Road, Llanelli, SA14 9AD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A9NE (SE)	888	8	253877 200654
368	Points of Interest - Commercial Services Name: Car Wash Location: Gelli Road, Llanelli, SA14 9AD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A9NE (SE)	888	8	253877 200654
369	Points of Interest - Commercial Services Name: Halfords Autocentre Location: 2 Parc Pemberton Retail Park, Llanelli, SA14 9UZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NW (S)	960	8	252823 200158
370	Points of Interest - Education and Health Name: Caebryn Hospital Location: Bryngwyn Mawr, Dafen, Llanelli, SA14 8QF Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (W)	477	8	252571 201391
370	Points of Interest - Education and Health Name: Prince Philip Hospital Location: Bryngwyn Mawr, Dafen, Llanelli, SA14 8QF Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (W)	508	8	252545 201445
370	Points of Interest - Education and Health Name: Prince Philip Hospital Location: Bryngwyn Mawr, Dafen, Llanelli, SA14 8QF Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A12NE (W)	508	8	252545 201445
371	Points of Interest - Education and Health Name: Prince Philip Hospital Location: Bryngwyn Mawr, Dafen, Llanelli, SA14 8QF Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (W)	588	8	252459 201367
371	Points of Interest - Education and Health Name: Prince Philip Hospital Location: Bryngwyn Mawr, Dafen, Llanelli, SA14 8QF Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A12NE (W)	588	8	252459 201367
371	Points of Interest - Education and Health Name: Prince Philip Hospital Location: Bryngwyn Mawr, Dafen, Llanelli, SA14 8QF Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (W)	588	8	252459 201367
371	Points of Interest - Education and Health Name: Prince Philip Hospital Location: Bryngwyn Mawr, Dafen, Llanelli, SA14 8QF Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A12NE (W)	588	8	252459 201367
372	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	0	8	253093 201143

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
372	Points of Interest - Manufacturing and Production Name: Works Location: SA14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	0	8	253099 201143
373	Points of Interest - Manufacturing and Production Name: Works Location: SA14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	12	8	253062 201241
373	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	12	8	253062 201240
373	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	73	8	252990 201198
374	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	57	8	252992 201166
375	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	75	8	253143 201033
375	Points of Interest - Manufacturing and Production Name: Works Location: SA14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	75	8	253143 201033
375	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	109	8	253153 200996
375	Points of Interest - Manufacturing and Production Name: Factory Location: SA14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	109	8	253153 200996
376	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	82	8	253213 201456
376	Points of Interest - Manufacturing and Production Name: Works Location: SA14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	82	8	253213 201456
376	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	127	8	253227 201509

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
377	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	94	8	252966 201262
377	Points of Interest - Manufacturing and Production Name: Works Location: SA14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	94	8	252966 201262
378	Points of Interest - Manufacturing and Production Name: Works Location: SA14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	140	8	253322 201213
378	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	141	8	253322 201212
378	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	158	8	253325 201182
379	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	247	8	252804 201322
379	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	251	8	252796 201358
379	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	275	8	252772 201354
380	Points of Interest - Manufacturing and Production Name: Industrial Park Location: SA14 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	420	8	253230 201835
380	Points of Interest - Manufacturing and Production Name: Industrial Park Location: SA14 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	429	8	253224 201846
381	Points of Interest - Manufacturing and Production Name: Industrial Park Location: SA14 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	490	8	252955 201885
381	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	527	8	252953 201923

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
382	Points of Interest - Manufacturing and Production Name: J W Stone Location: Unit 9, Heol Gors, Dafen, Llanelli, SA14 8QR Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A18NW (N)	542	8	253114 201969
382	Points of Interest - Manufacturing and Production Name: J W Location: Unit 9, Heol Gors, Dafen, Llanelli, SA14 8QR Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A18NW (N)	542	8	253114 201969
382	Points of Interest - Manufacturing and Production Name: J W Stone & Brick Ltd Location: Unit 9, Heol Gors, Dafen, Llanelli, SA14 8QR Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A18NW (N)	542	8	253114 201969
382	Points of Interest - Manufacturing and Production Name: Tanks Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	559	8	253093 201985
383	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	575	8	253466 200651
384	Points of Interest - Manufacturing and Production Name: Technium Performance Engineering Location: Llanelli Gate, Dafen, Llanelli, SA14 8LQ Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19NW (NE)	703	8	253549 201992
385	Points of Interest - Manufacturing and Production Name: Mine (Disused) Location: SA14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A14NE (E)	724	8	253941 201346
386	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	738	8	252352 201615
387	Points of Interest - Manufacturing and Production Name: Treharne Automotive Engineering Location: Beacon Centre Llanelli Gate, Dafen, Llanelli, SA14 8LQ Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19NW (NE)	774	8	253663 201989
387	Points of Interest - Manufacturing and Production Name: Workshops Location: SA14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	782	8	253665 201998
388	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	798	8	253140 200286
389	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	833	8	252964 202243

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
389	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	834	8	252949 202241
389	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	857	8	252946 202264
389	Points of Interest - Manufacturing and Production Name: Tanks Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	876	8	252957 202286
389	Points of Interest - Manufacturing and Production Name: Tank Location: SA14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	922	8	252952 202332
390	Points of Interest - Manufacturing and Production Name: Quarry Location: SA14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	840	8	252240 200922
390	Points of Interest - Manufacturing and Production Name: Quarry Location: SA14 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A7NW (SW)	854	8	252252 200844
391	Points of Interest - Public Infrastructure Name: Weir Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	10	8	253049 201403
391	Points of Interest - Public Infrastructure Name: Weir Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	13	8	253046 201404
392	Points of Interest - Public Infrastructure Name: Shell Dafen Service Station Location: Dafen Road, Dafen, Llanelli, SA14 8LY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	159	8	252904 201238
392	Points of Interest - Public Infrastructure Name: Shell Location: Dafen Road, Llanelli, SA14 8LY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	159	8	252904 201238
392	Points of Interest - Public Infrastructure Name: Dafen Service Station Location: Dafen Road, Dafen, Llanelli, Dyfed, SA14 8LY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	159	8	252904 201238
392	Points of Interest - Public Infrastructure Name: Dafen Service Station Location: Dafen Service Station, Industrial Estate, Dafen, Llanelli, Dyfed, SA14 8NS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	161	8	252902 201238

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
392	Points of Interest - Public Infrastructure Name: Shell UK Location: Dafen Road, Llanelli, SA14 8LY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	162	8	252901 201238
393	Points of Interest - Public Infrastructure Name: Weir Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	224	8	253280 201594
393	Points of Interest - Public Infrastructure Name: Weir Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	228	8	253284 201595
394	Points of Interest - Public Infrastructure Name: Dafen Service Station Location: Dafen Service Station, Industrial Estate, Dafen, Llanelli, SA14 8NS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (W)	232	8	252816 201354
395	Points of Interest - Public Infrastructure Name: Weir Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	269	8	252818 201011
395	Points of Interest - Public Infrastructure Name: Weir Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	272	8	252815 201011
395	Points of Interest - Public Infrastructure Name: Outfall Location: SA14 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	325	8	252798 200927
395	Points of Interest - Public Infrastructure Name: Outfall Location: SA14 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	327	8	252795 200927
396	Points of Interest - Public Infrastructure Name: Weirs Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	781	8	253237 202201
396	Points of Interest - Public Infrastructure Name: Weirs Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	782	8	253238 202202
396	Points of Interest - Public Infrastructure Name: Weirs Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	806	8	253234 202226
396	Points of Interest - Public Infrastructure Name: Weirs Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	833	8	253228 202254

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
396	Points of Interest - Public Infrastructure Name: Weirs Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A23SE (N)	856	8	253217 202279
396	Points of Interest - Public Infrastructure Name: Weirs Location: SA14 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A23SE (N)	858	8	253222 202280
397	Points of Interest - Public Infrastructure Name: Llwynhendy Police Station Location: 2-4 Lon Ceiriog, Llanelli, SA14 9HB Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A9SW (SE)	817	8	253545 200407
398	Points of Interest - Public Infrastructure Name: Siddell Environmental Services Location: Ty Bryn, Havard Road, Llanelli, SA14 8SA Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A7NW (SW)	822	8	252356 200700
398	Points of Interest - Public Infrastructure Name: Siddell Environmental Services Location: Ty Bryn, Havard Road, Llanelli, SA14 8SA Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A7NW (SW)	822	8	252356 200700
398	Points of Interest - Public Infrastructure Name: Siddell Environmental Services Ltd Location: Ty Bryn, Havard Road, Llanelli, SA14 8SA Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A7NW (SW)	823	8	252355 200699
399	Points of Interest - Public Infrastructure Name: Bryn Gelli Services Location: Gelli Road, Llanelli, SA14 9AD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (SE)	887	8	253871 200646
399	Points of Interest - Public Infrastructure Name: Bryn-Gelli Services Location: Gelli Road, Llanelli, SA14 9AD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (SE)	888	8	253878 200655
399	Points of Interest - Public Infrastructure Name: Bryn Gelli Services Location: Gelli Road, Llanelli, SA14 9AD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (SE)	888	8	253878 200655
399	Points of Interest - Public Infrastructure Name: Bryn Gelli Services Location: Gelli Road, Llanelli, SA14 9AD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (SE)	888	8	253877 200654
400	Points of Interest - Public Infrastructure Name: Dyfed Services Location: 15 Llys Caradog, Llanelli, SA14 9HE Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A9SW (SE)	959	8	253674 200325
400	Points of Interest - Public Infrastructure Name: Dyfed Services Location: 15 Llys Caradog, Llanelli, SA14 9HE Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A9SW (SE)	959	8	253674 200325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
401	Points of Interest - Public Infrastructure Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A11SE (W)	990	8	252059 201102
401	Points of Interest - Public Infrastructure Name: Cemetery Location: SA14 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A11SE (W)	990	8	252059 201103
402	Points of Interest - Recreational and Environmental Name: Playground Location: SA14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	80	8	253038 201483
403	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	372	8	253408 200884
403	Points of Interest - Recreational and Environmental Name: Playground Location: (Gors-Fach), SA14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	372	8	253408 200884
404	Points of Interest - Recreational and Environmental Name: Play Area Location: SA14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	389	8	252666 201227
405	Points of Interest - Recreational and Environmental Name: Playground Location: (Lon Y Maes), SA14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7SE (SW)	619	8	252742 200565
406	Points of Interest - Recreational and Environmental Name: Play Area Location: SA14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	927	8	252122 201193

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
407	Ancient Woodland Name: Not Supplied Reference: 899 Area(m ²): 8166.93 Type: Ancient and Semi-Natural Woodland	A23SE (N)	906	2	253419 202286
408	Ancient Woodland Name: Not Supplied Reference: 898 Area(m ²): 5665.07 Type: Ancient and Semi-Natural Woodland	A19NW (NE)	948	2	253642 202225

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Natural Resources Wales Carmarthenshire County Council - Environmental Health Department City and County of Swansea - Environmental Health Department	November 2023 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 May 2024	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	January 2021 May 2024	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Carmarthenshire County Council - Environmental Health Department	April 2014 December 2020 March 2015	Variable Variable Variable
Local Authority Pollution Prevention and Controls Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Carmarthenshire County Council - Environmental Health Department	April 2014 December 2020 March 2015	Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Carmarthenshire County Council - Environmental Health Department	April 2014 June 2014 March 2015	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	March 2024	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - South West Region Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Natural Resources Wales Environment Agency Wales - South West Area	February 2024 January 2021	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	April 2024 May 2024	Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2022	
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	As notified
Superficial Aquifer Designations Natural Resources Wales	January 2018	As notified
Source Protection Zones Natural Resources Wales	July 2022	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	April 2024	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water Suitability Natural Resources Wales	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified


Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Natural Resources Wales	March 2023	As notified
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	January 2023 October 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency Wales - South West Area Natural Resources Wales	July 2021 May 2024	Quarterly Quarterly
Local Authority Landfill Coverage Carmarthenshire County Council City and County of Swansea - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Carmarthenshire County Council City and County of Swansea - Environmental Health Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - South West Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Carmarthenshire County Council - Area Planning Office (East Area) Carmarthenshire County Council - Area Planning Office (South Area) Carmarthenshire County Council - Environment Department (West Area) City and County of Swansea - Planning Department	February 2016 February 2016 February 2016 June 2023	Variable Variable Variable Variable
Planning Hazardous Substance Consents Carmarthenshire County Council - Area Planning Office (East Area) Carmarthenshire County Council - Area Planning Office (South Area) Carmarthenshire County Council - Environment Department (West Area) City and County of Swansea - Planning Department	February 2016 February 2016 February 2016 January 2016	Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	March 2024	Quarterly
Points of Interest - Education and Health PointX	March 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2024	Quarterly
Points of Interest - Public Infrastructure PointX	March 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	Bi-Annually

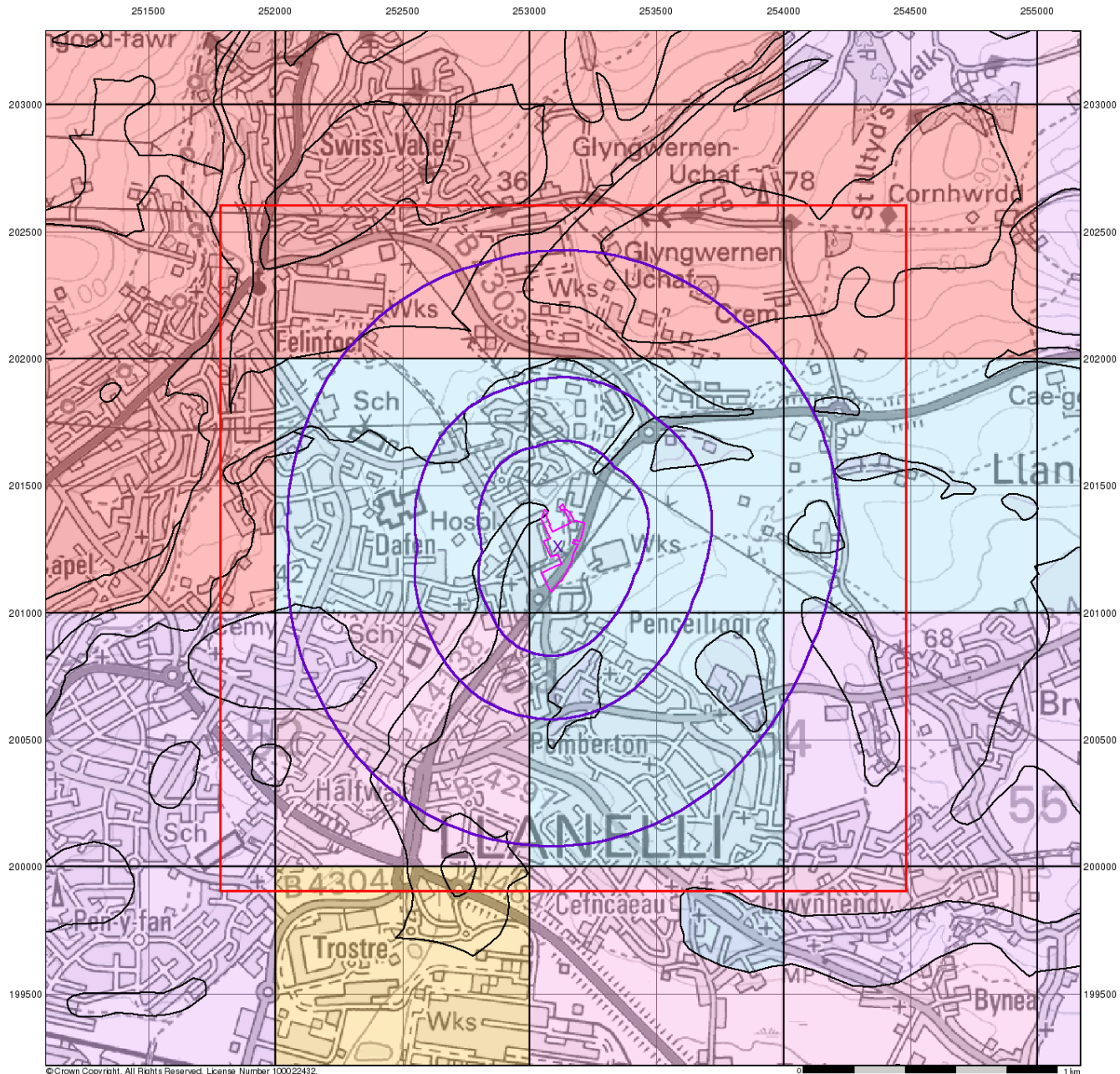
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	April 2024	Bi-Annually
Areas of Adopted Green Belt Carmarthenshire County Council City and County of Swansea	February 2024 February 2024	Quarterly Quarterly
Areas of Unadopted Green Belt Carmarthenshire County Council City and County of Swansea	February 2024 February 2024	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	November 2023	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Carmarthenshire County Council City and County of Swansea	February 2024 February 2024	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	February 2024	Bi-Annually
National Nature Reserves Natural Resources Wales	February 2024	Bi-Annually
National Parks Natural Resources Wales	February 2018	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 April 2024	Bi-Annually
Ramsar Sites Natural Resources Wales	February 2024	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	October 2023	Bi-Annually
Special Areas of Conservation Natural Resources Wales	April 2024	Bi-Annually
Special Protection Areas Natural Resources Wales	April 2024	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	 <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p>Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Carmarthenshire County Council - Environmental Health Department 3 Spillman Street, Carmarthen, Dyfed, SA31 1LE	Telephone: 01267 234567 Fax: 01267 238326 Website: www.carmarthenshire.gov.uk
4	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Carmarthenshire County Council County Hall, Carmarthen, Dyfed, SA31 1JP	Telephone: 01267 234567 Fax: 01267 238326 Website: www.carmarthenshire.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

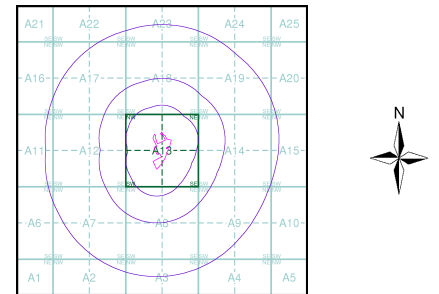
Intégral Géotechnique

Groundwater Vulnerability

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

- Agency and Hydrological**
- | Bedrock Aquifers | Superficial Aquifers |
|---|---|
| High Vulnerability, Principal Aquifer | High Vulnerability, Principal Aquifer |
| High Vulnerability, Secondary Aquifer | High Vulnerability, Secondary Aquifer |
| Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer |
| Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer |
| Low Vulnerability, Principal Aquifer | Low Vulnerability, Principal Aquifer |
| Low Vulnerability, Secondary Aquifer | Low Vulnerability, Secondary Aquifer |
- Unproductive Aquifer
 Soluble Rock

Site Sensitivity Context Map - Slice A



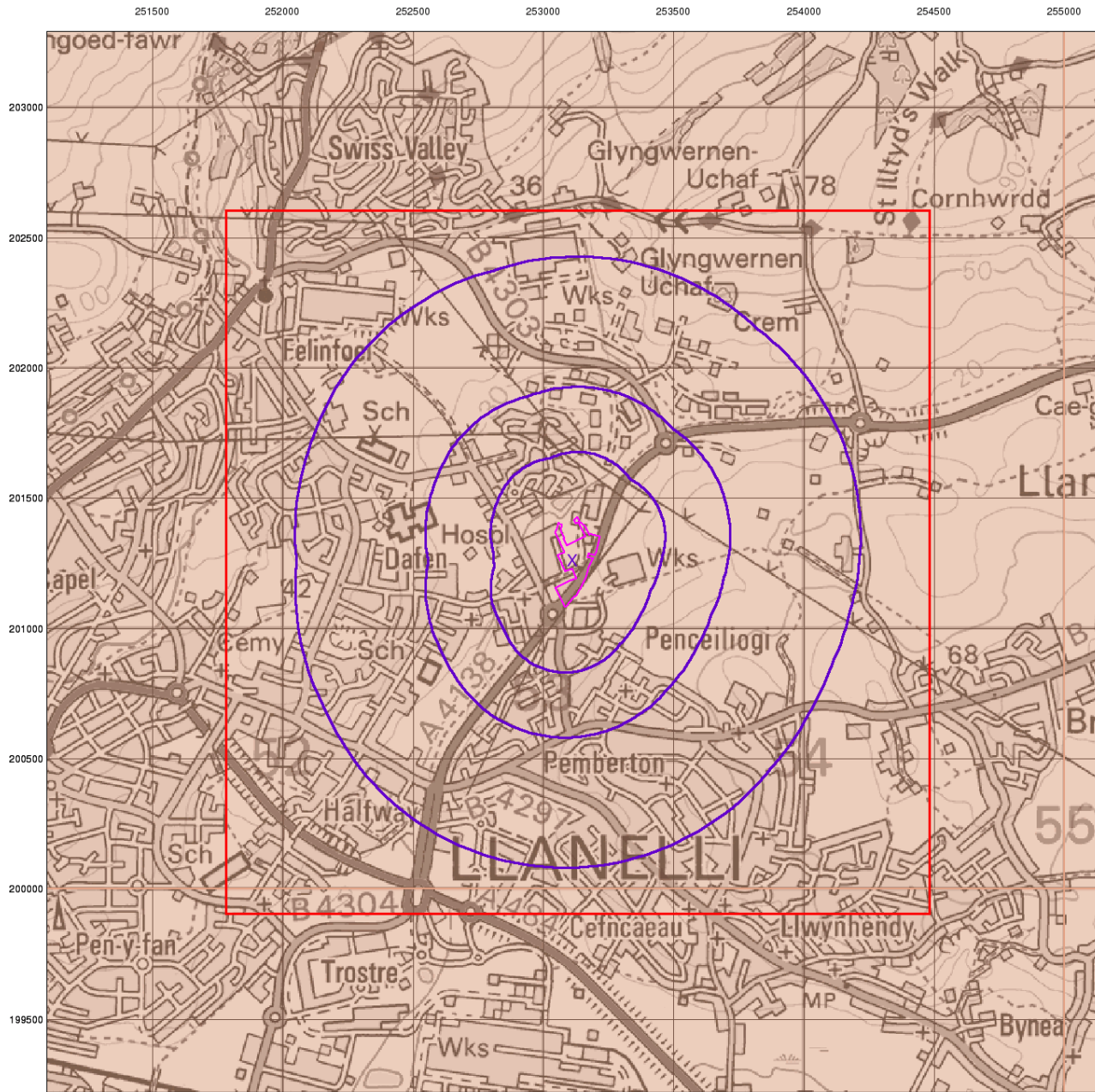
Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details
 Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km

Intégral Géotechnique

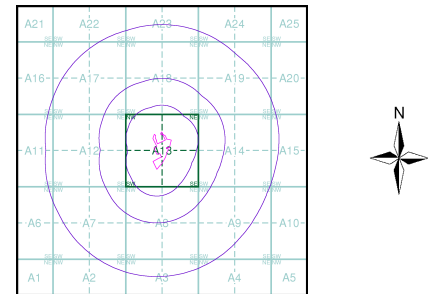
Bedrock Aquifer Designation

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

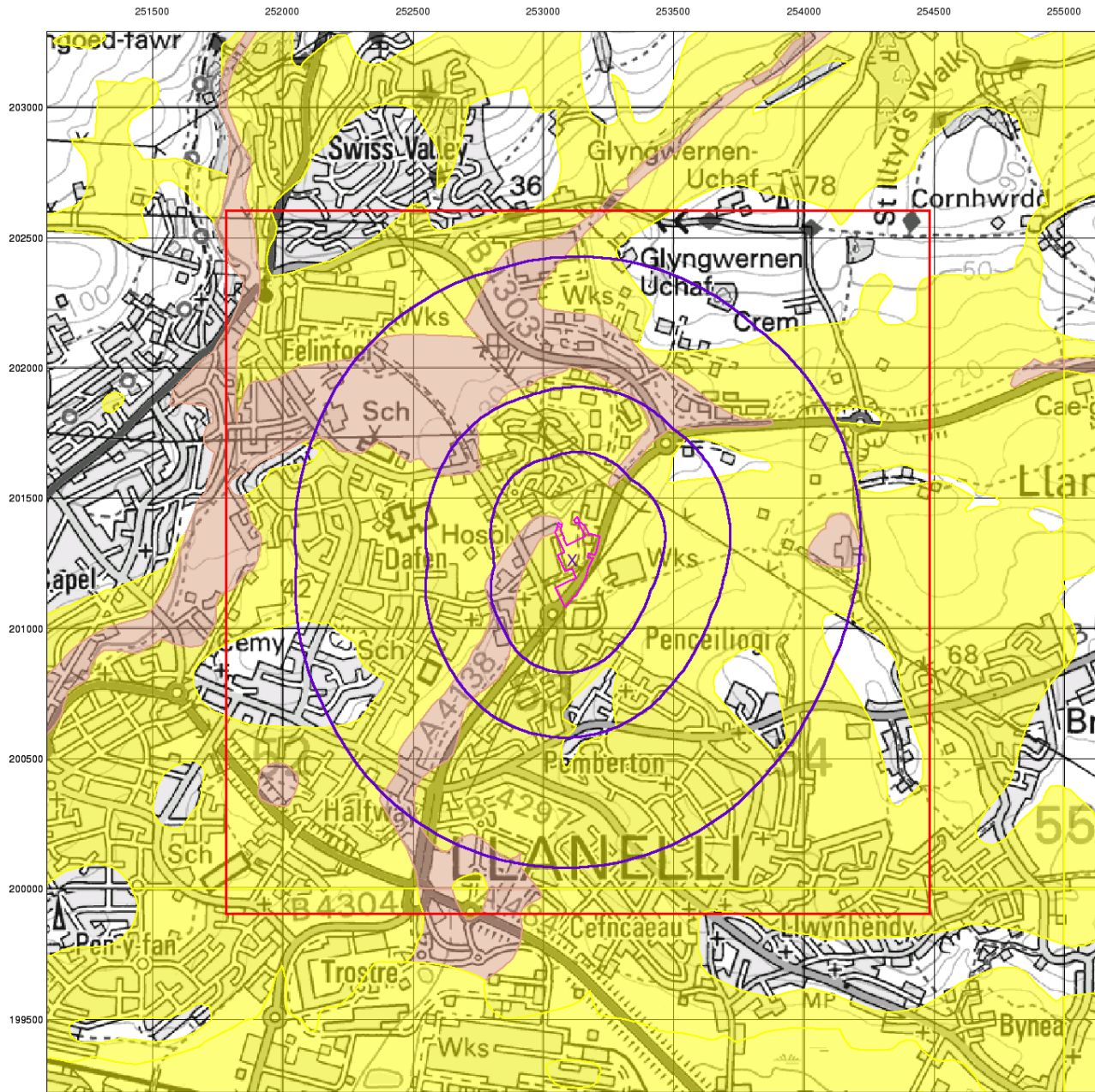
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km

Intégral Géotechnique

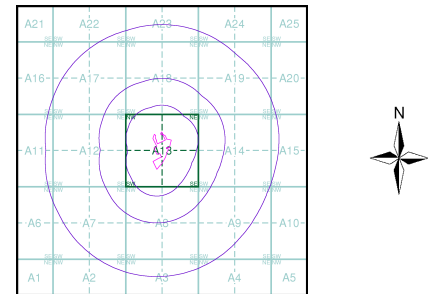
Superficial Aquifer Designation

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

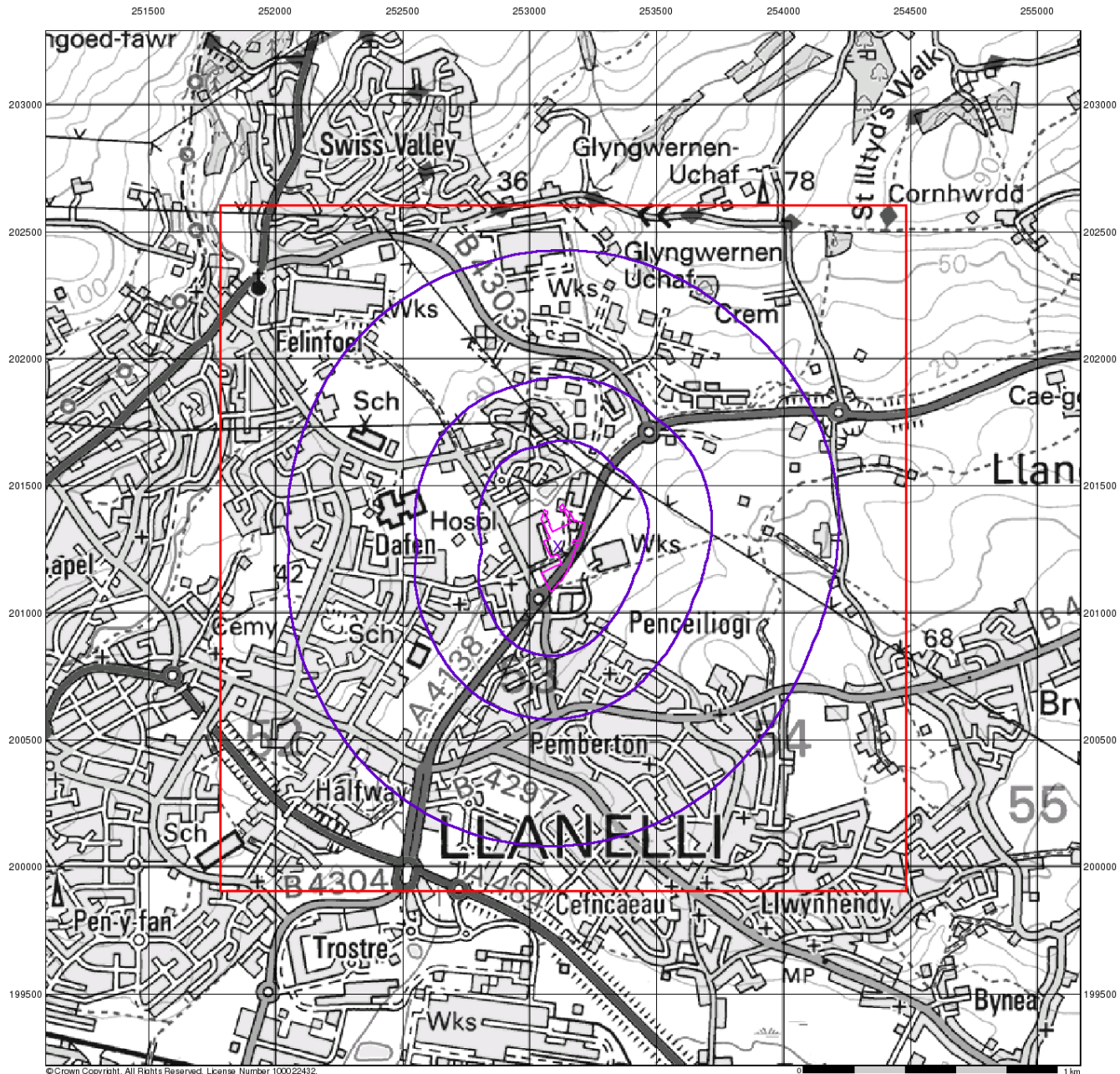
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

Source Protection Zones

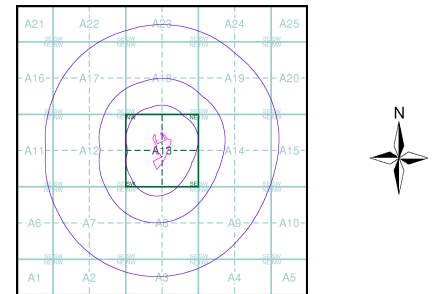
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

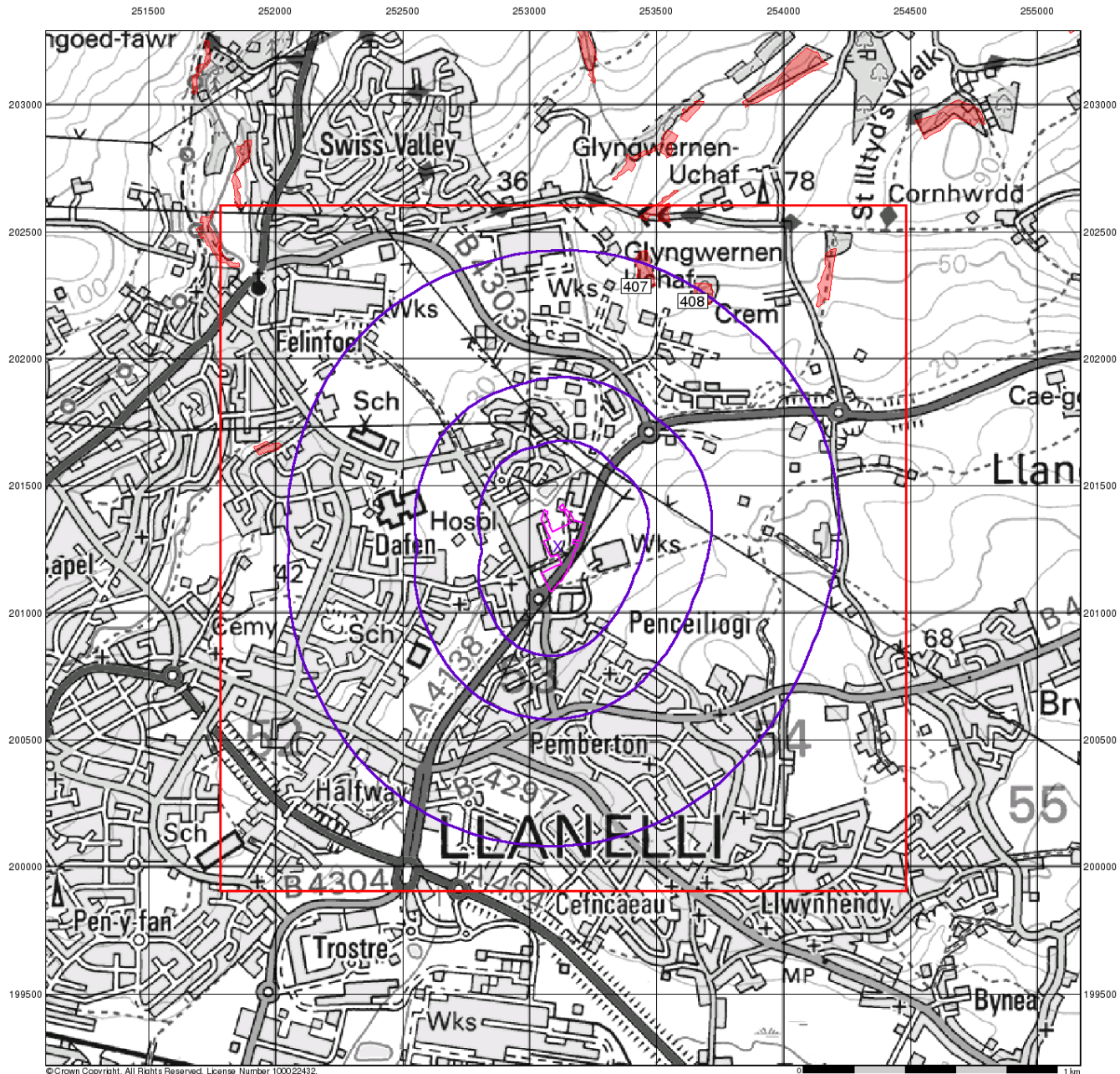
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

Sensitive Land Uses

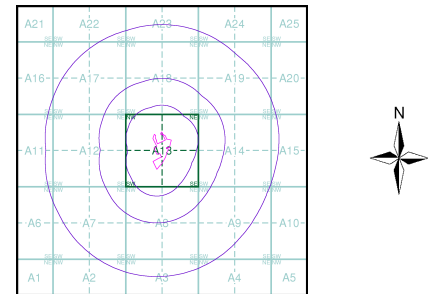
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

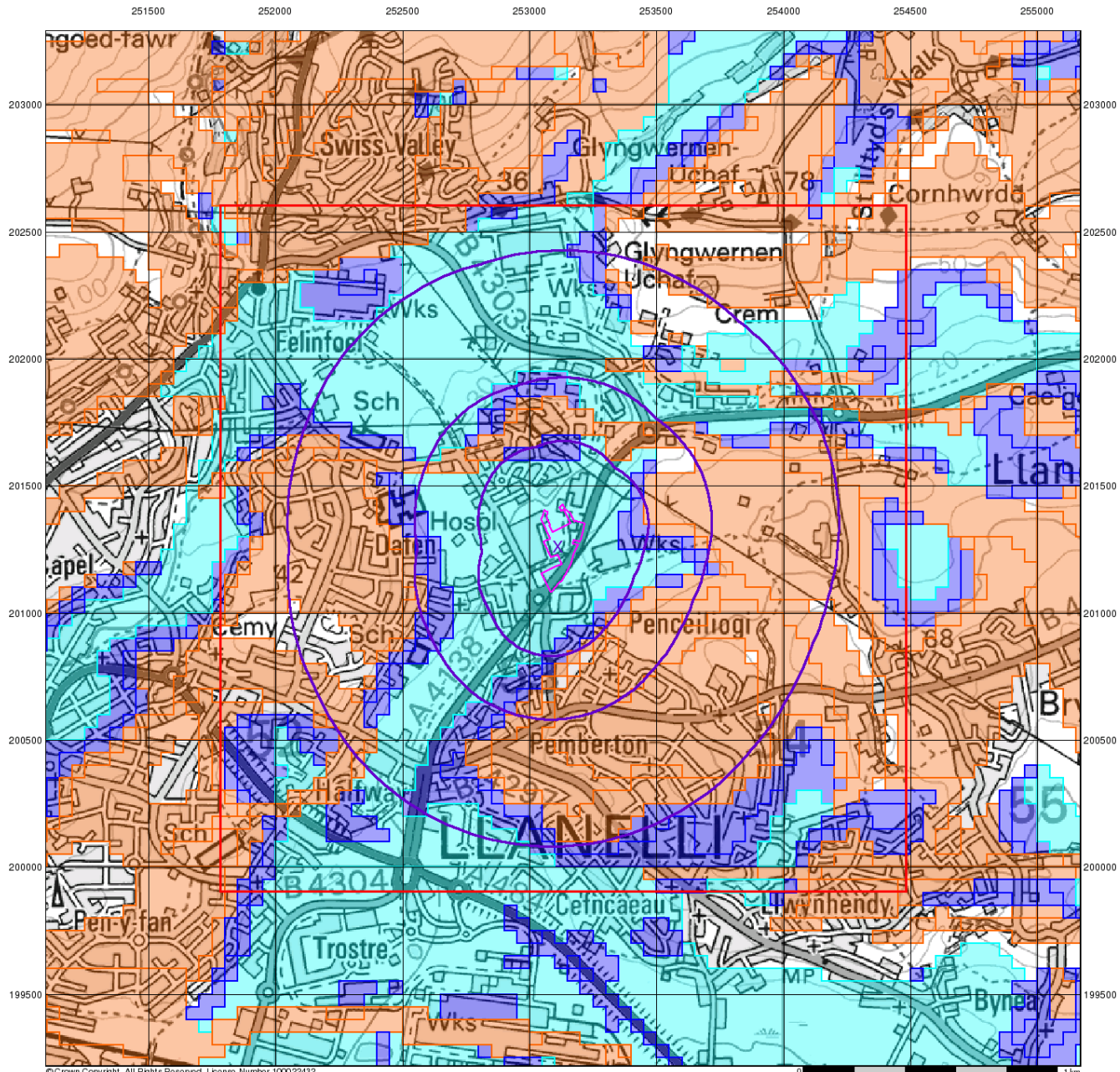
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km

Intégral Géotechnique

BGS Flood GFS Data

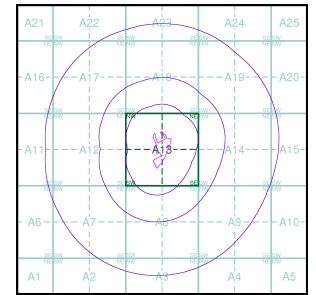
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

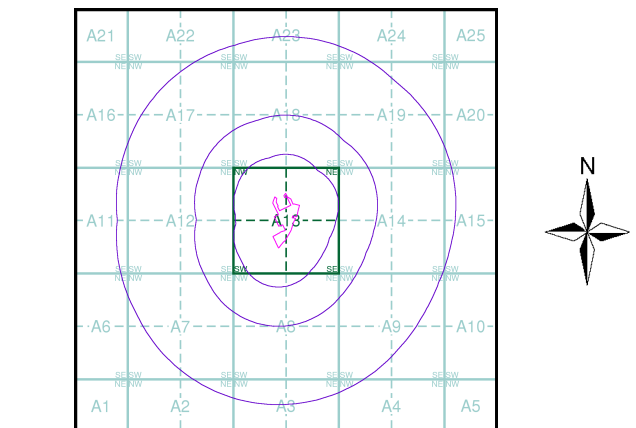


Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

Intégral Géotechnique

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

Site Sensitivity Map - Slice A



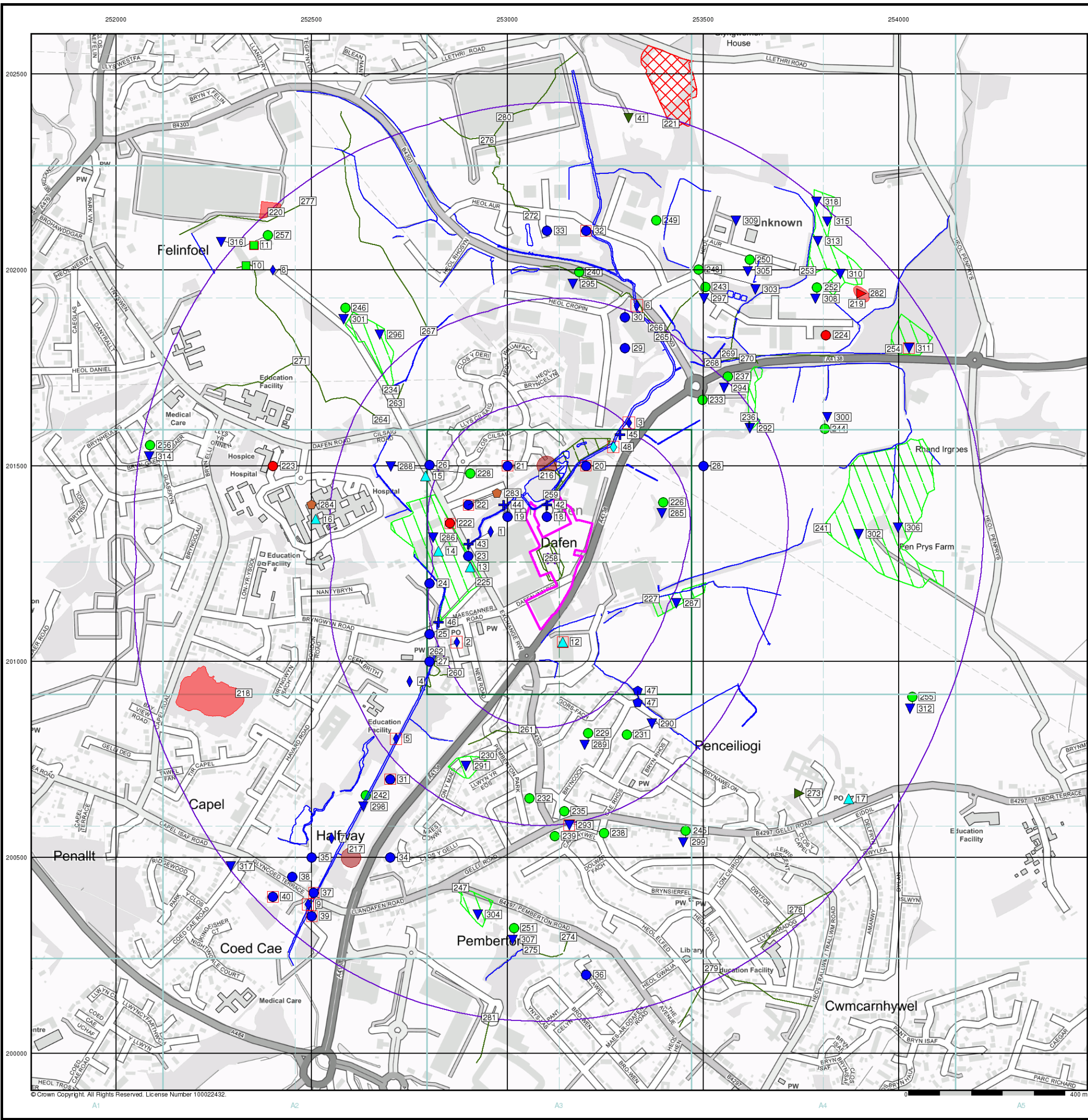
Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details
 Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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








© Crown Copyright. All Rights Reserved. License Number 100022432.










Intégral Géotechnique

Industrial Land Use Map

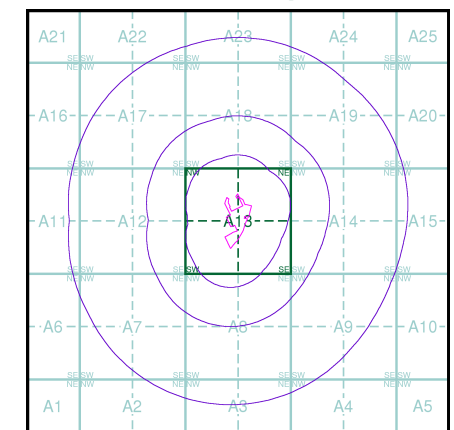
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

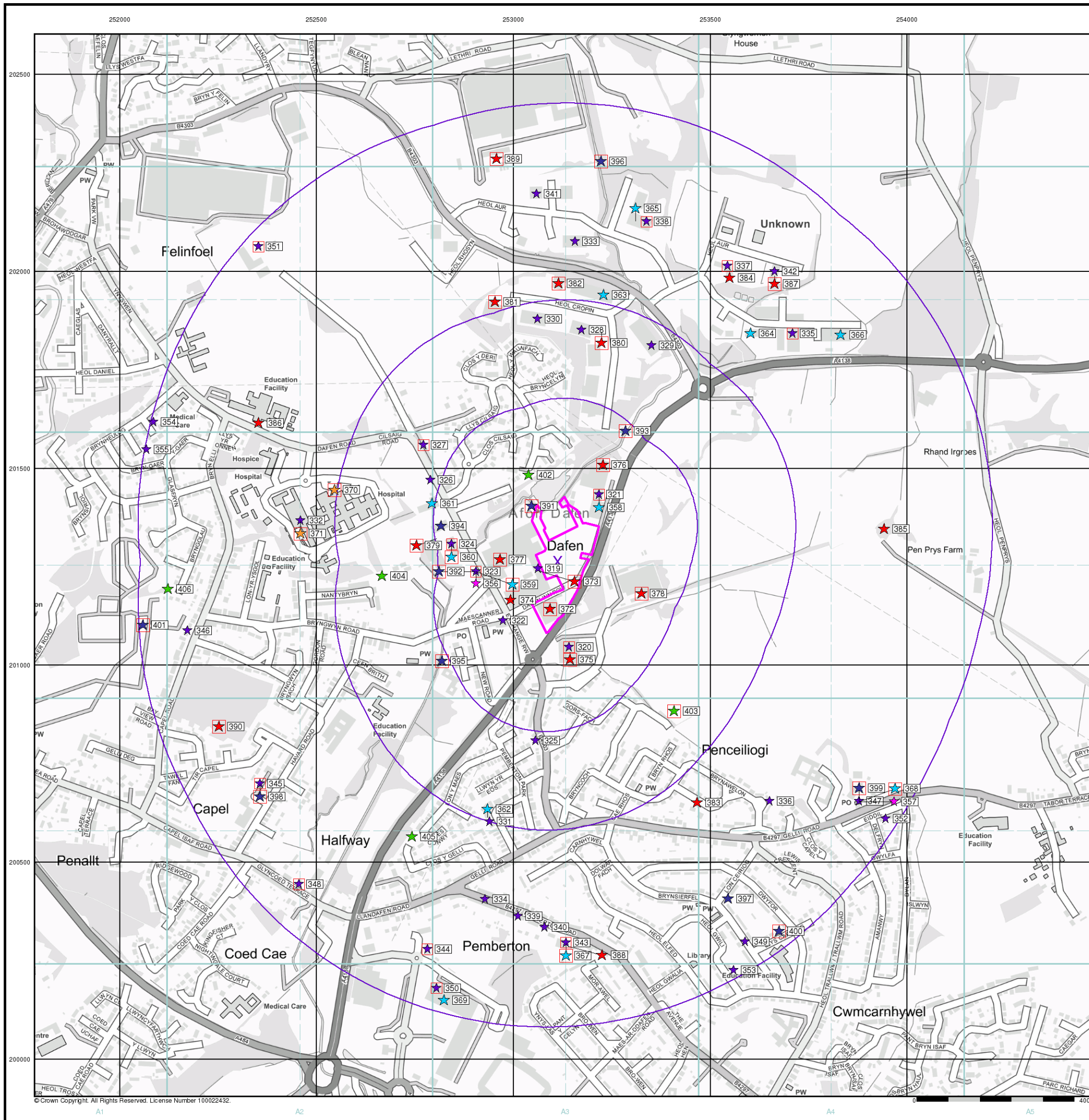
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

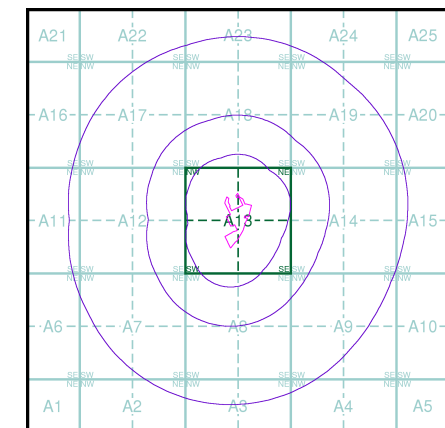
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

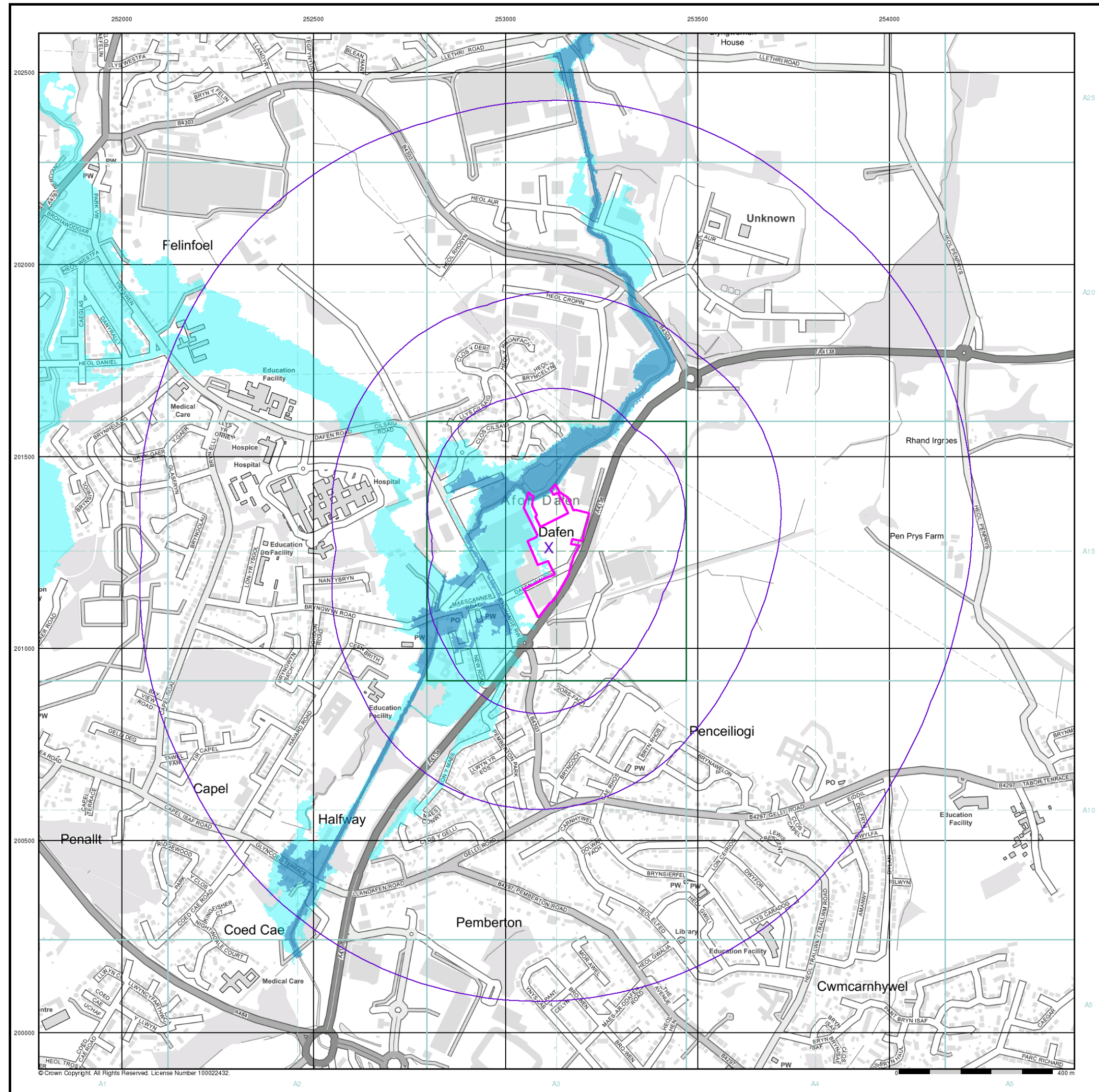
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

General

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

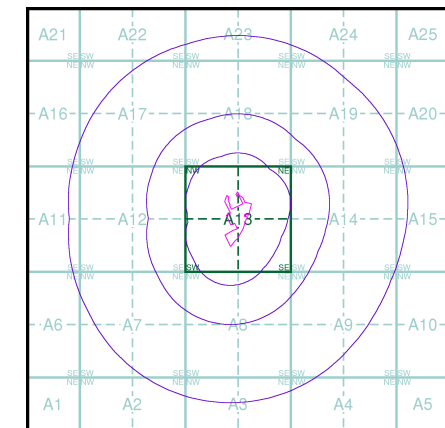
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

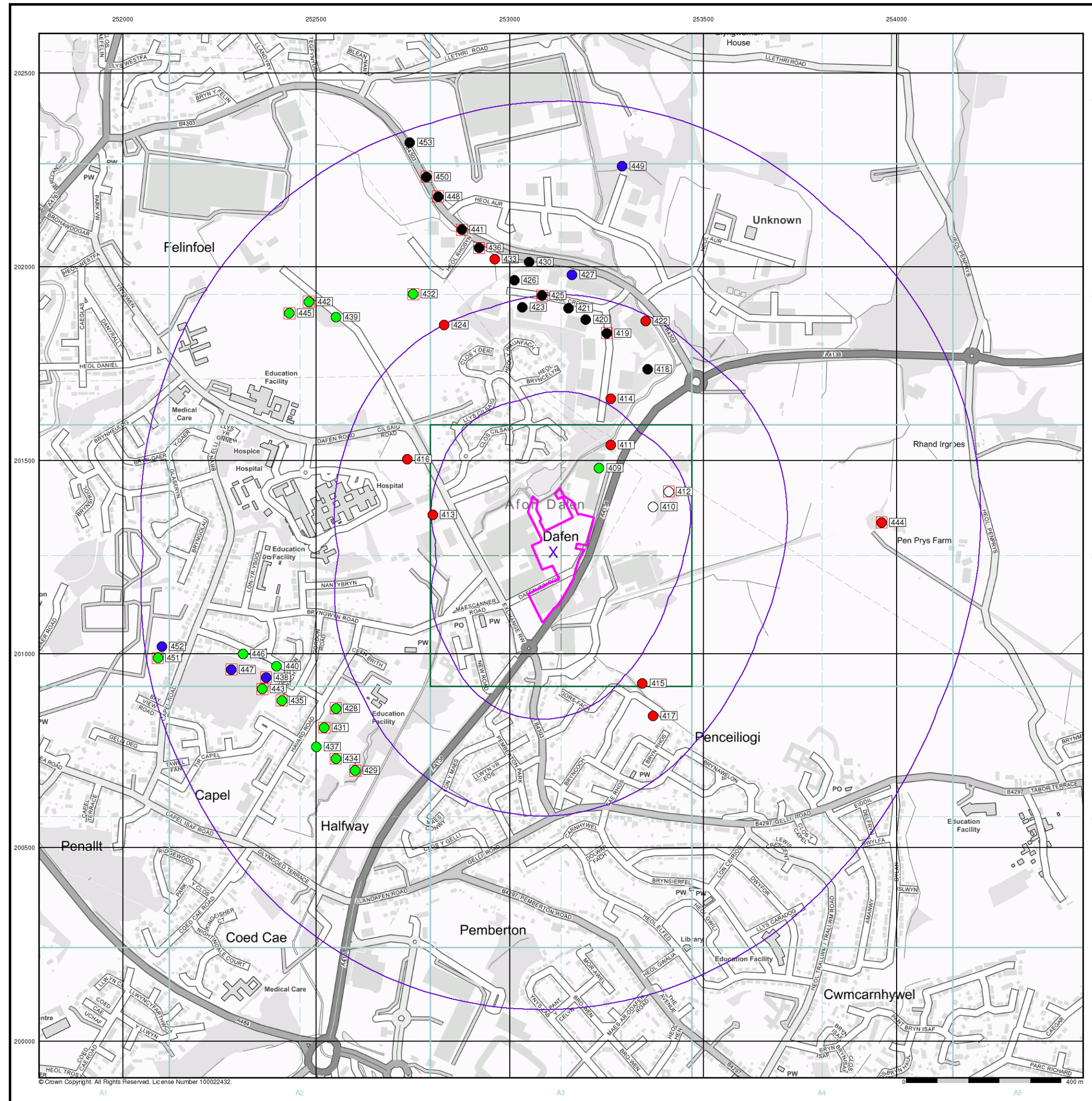
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

General

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

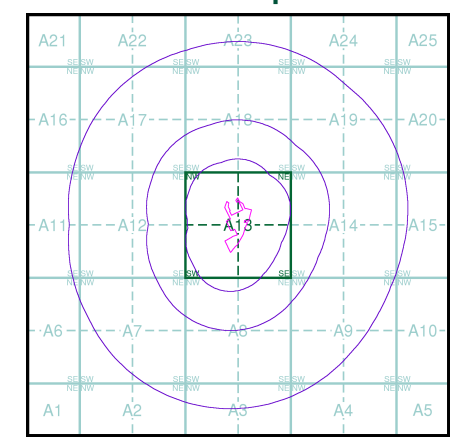
OS Water Network Data

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

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- Mean Low Water
- Mean High Water

OS Water Network Map - Slice A



Order Details

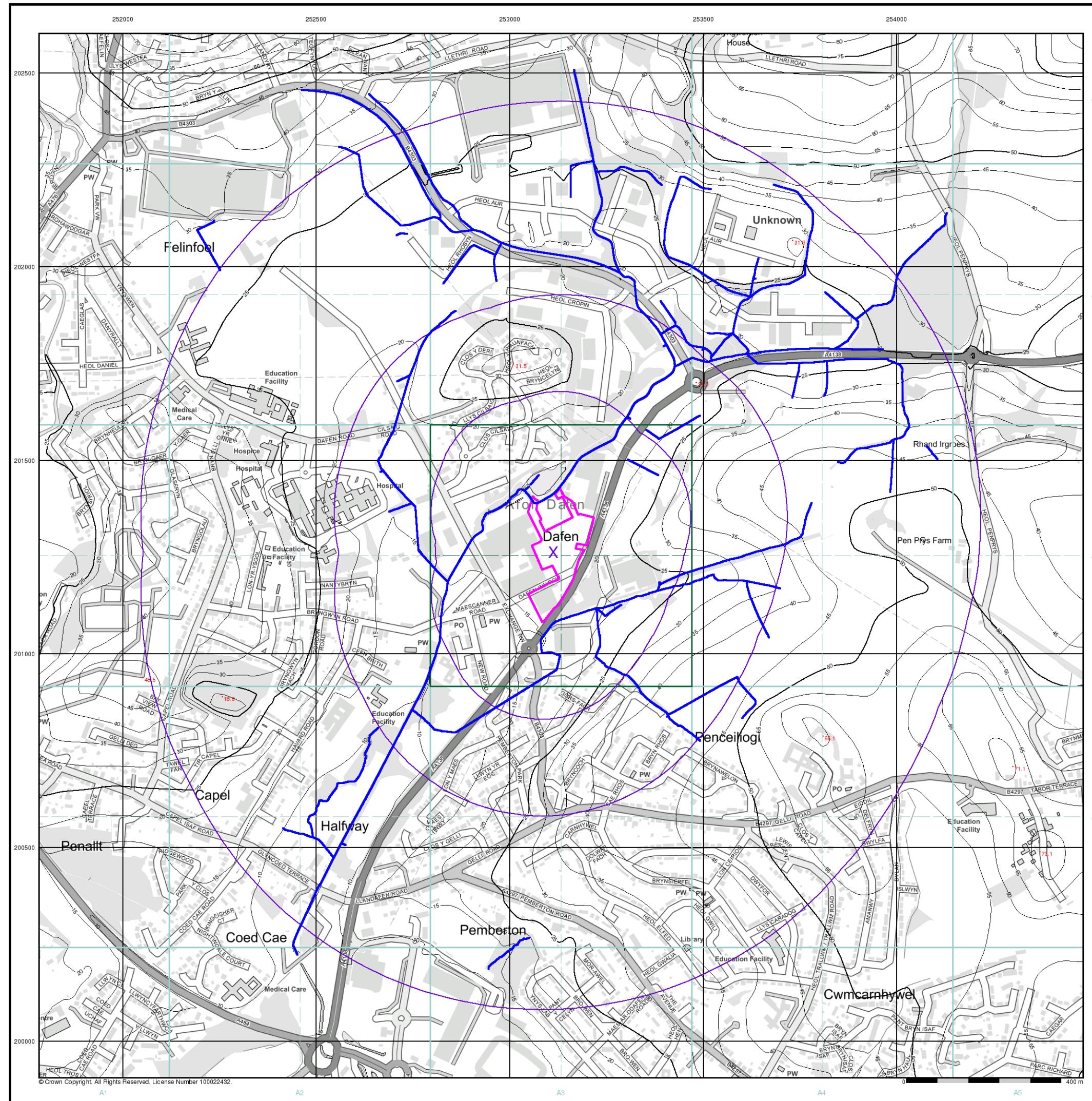
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



© Crown Copyright. All Rights Reserved. License Number 100022432.

General

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

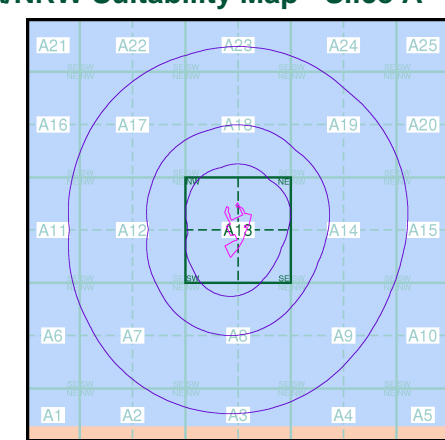
Risk of Flooding from Surface Water

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

Suitability

- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

EANRW Suitability Map - Slice A

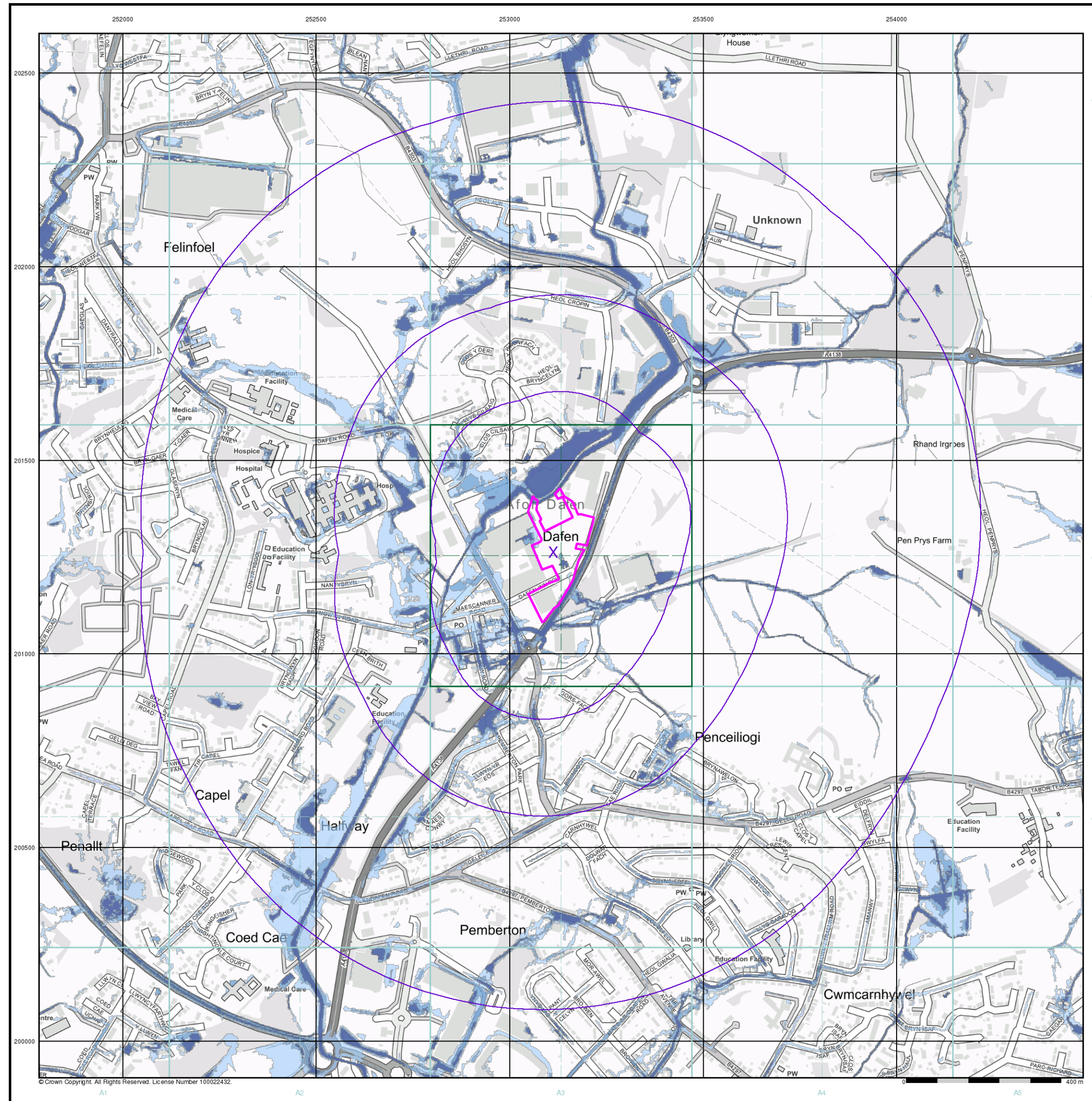


Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



© Crown Copyright. All Rights Reserved. License Number 100022432.

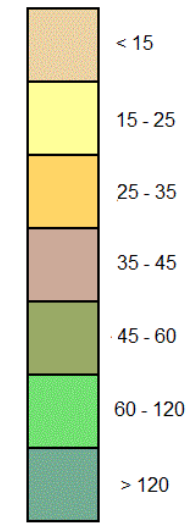
Intégral Géotechnique

General

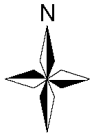
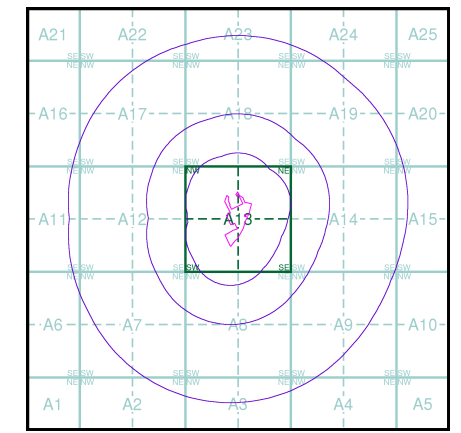
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

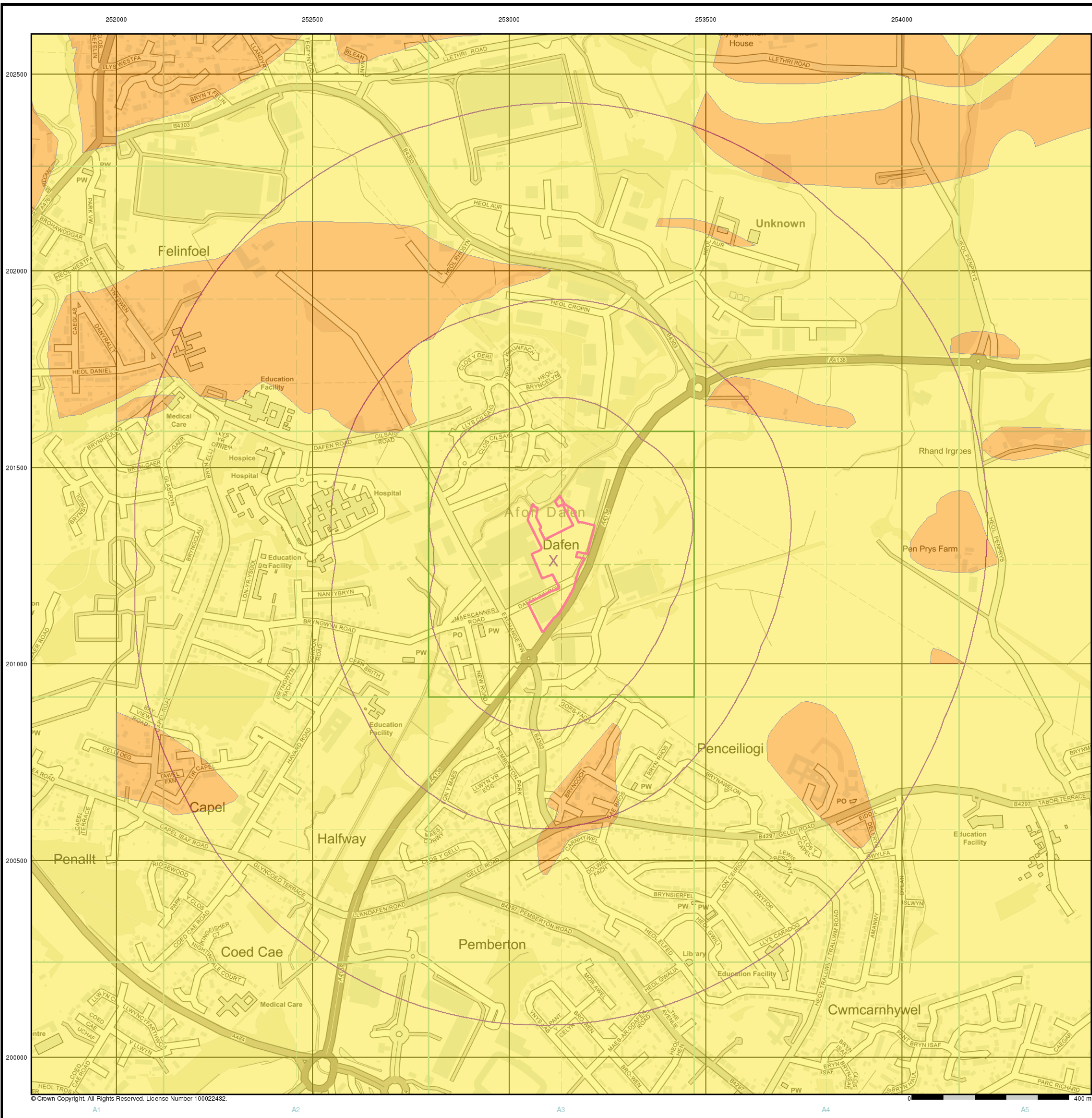
Order Details: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



© Crown Copyright. All Rights Reserved. License Number 100022432.

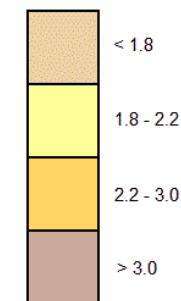
Intégral Géotechnique

General

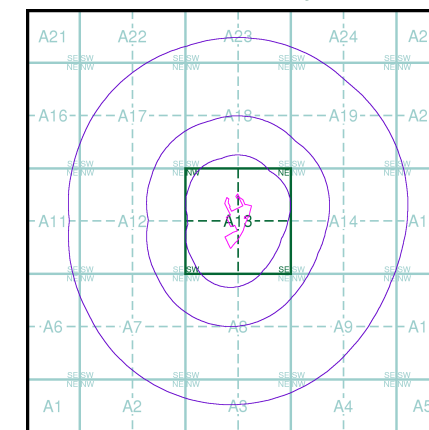
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

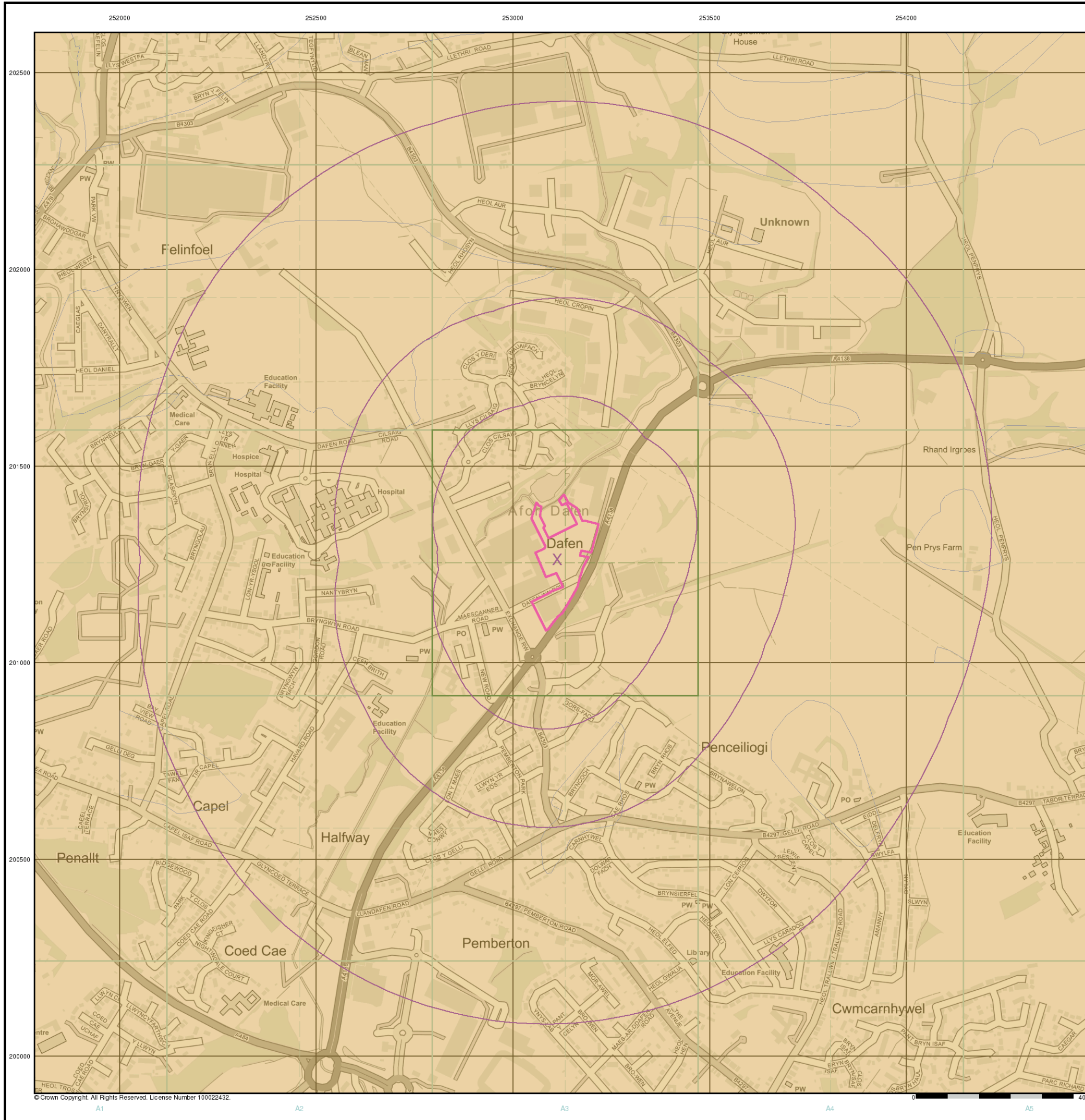
Order Details: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

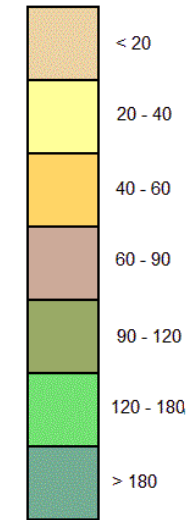
Intégral Géotechnique

General

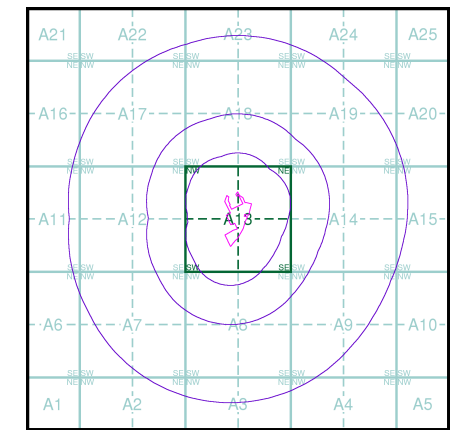
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

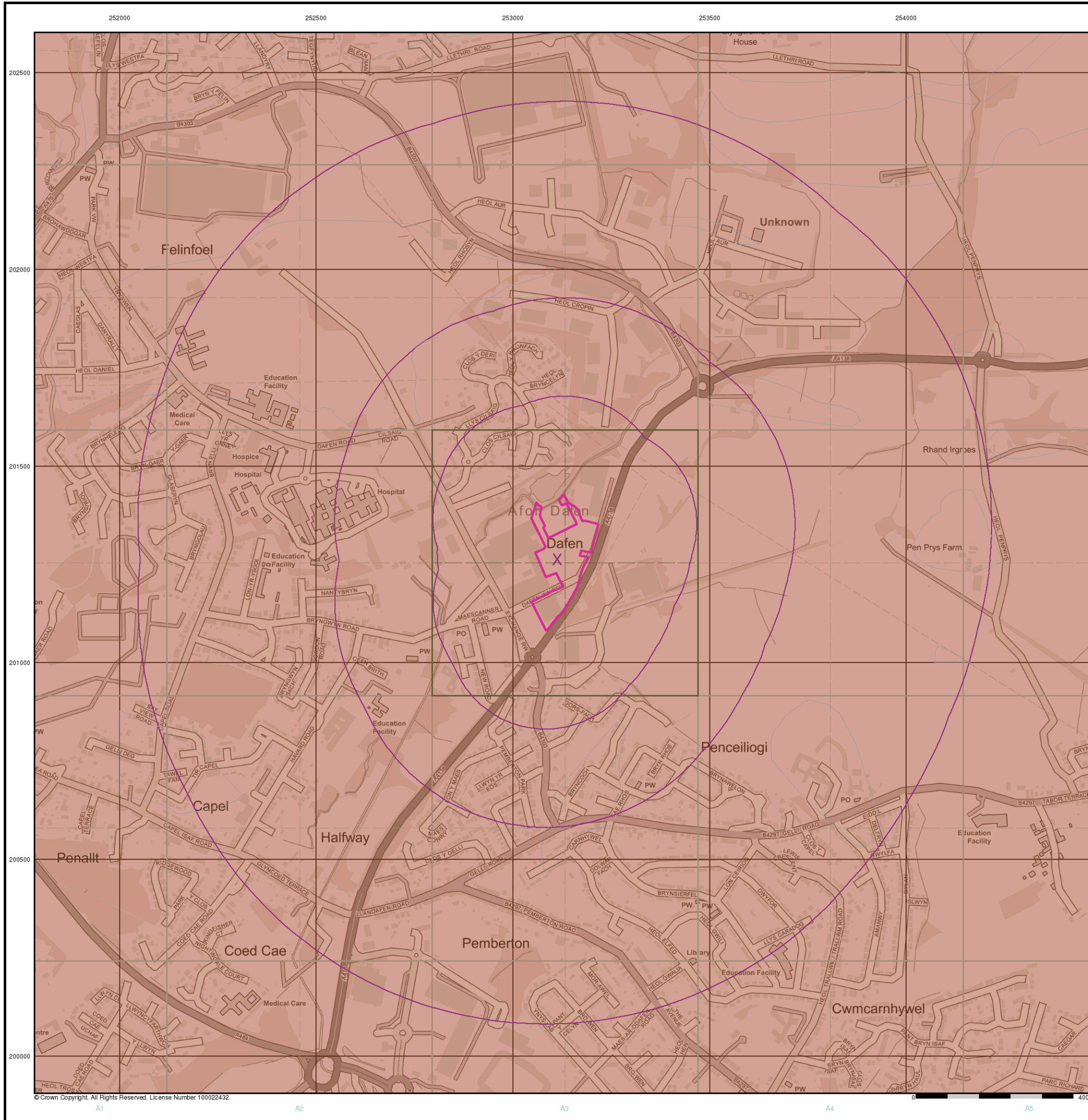
Order Details: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



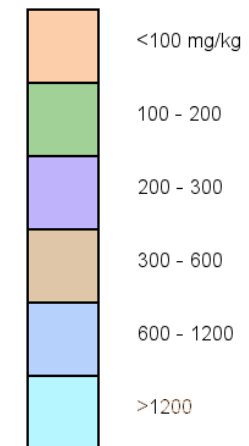
Intégral Géotechnique

General

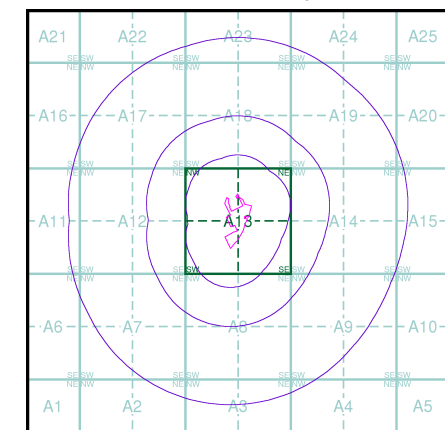
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

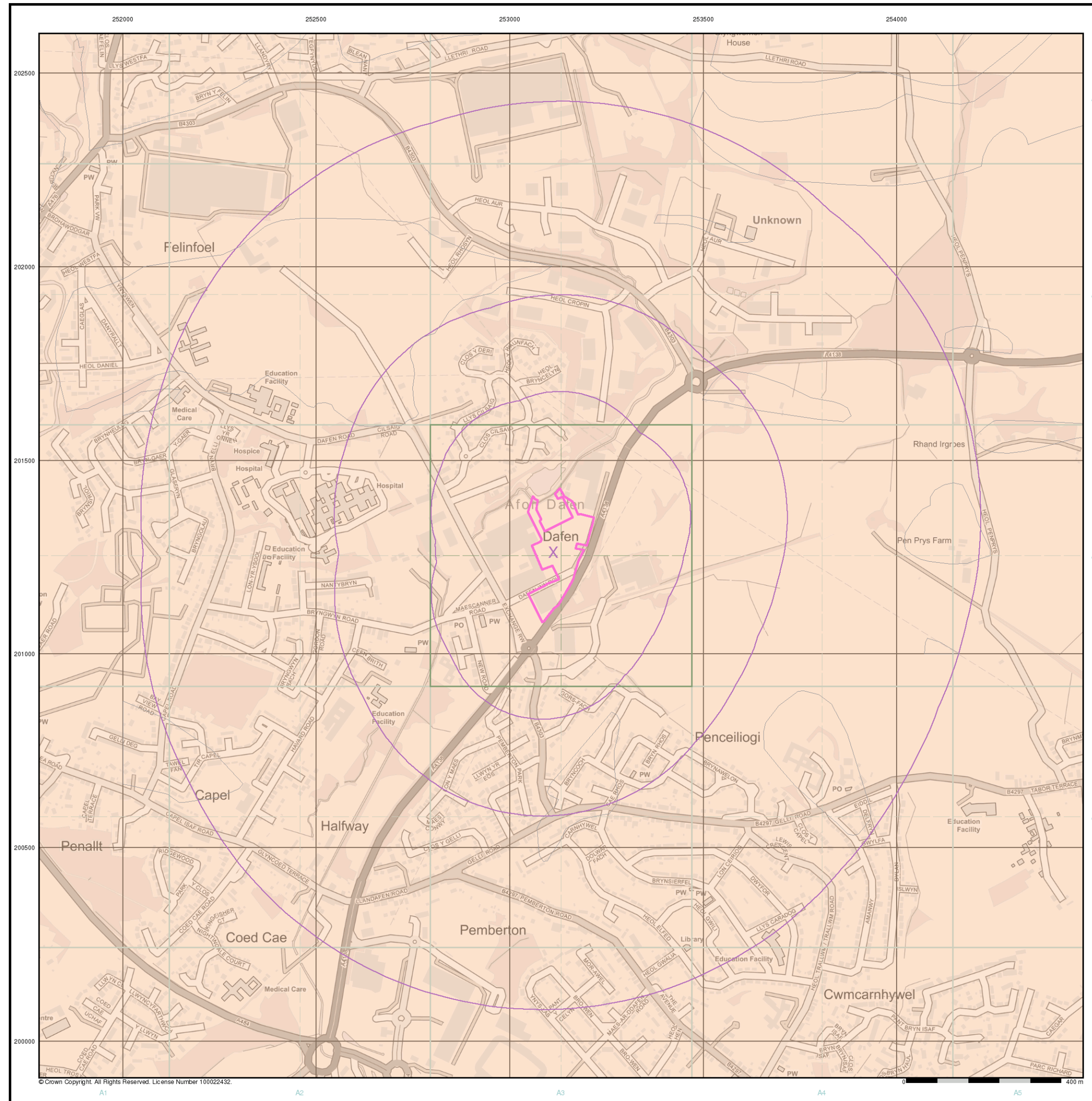
Order Details: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



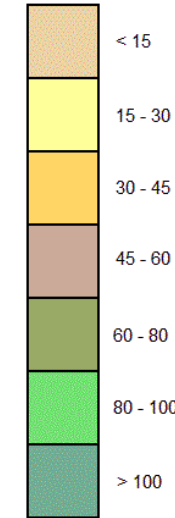
© Crown Copyright. All Rights Reserved. License Number 100022432.

General

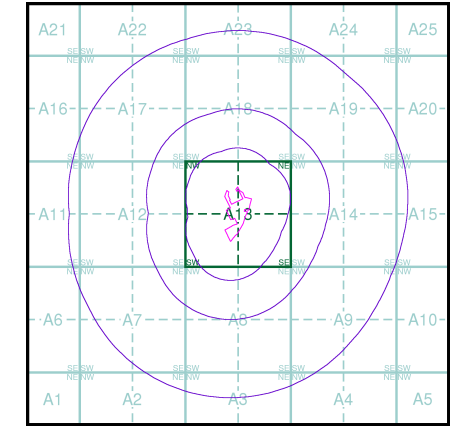
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

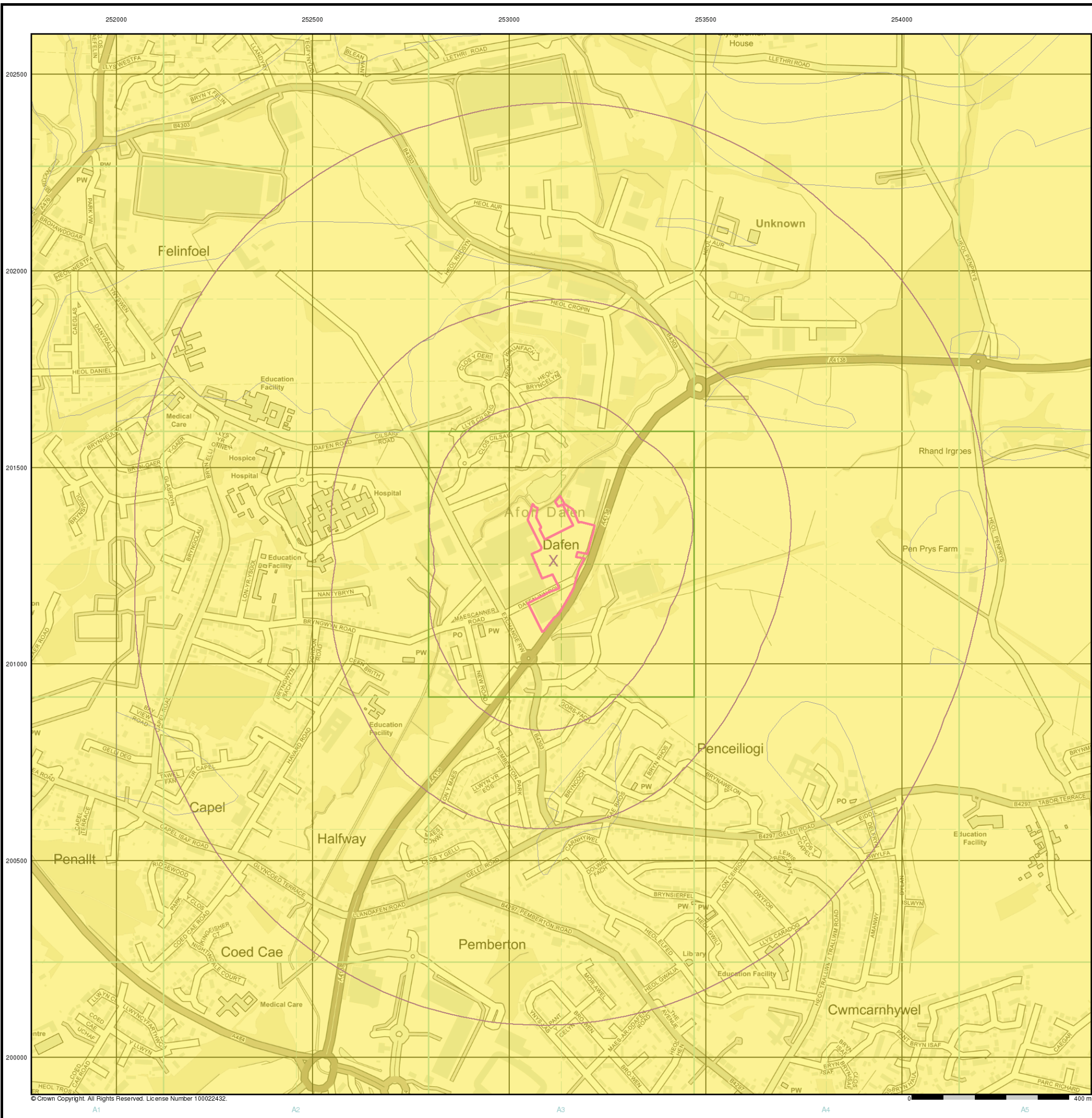


Order Details

Order Details: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

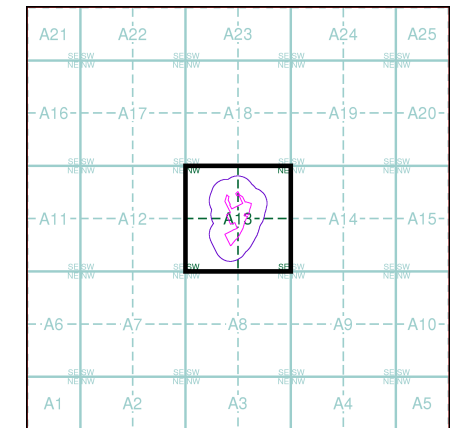


© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

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

Site Sensitivity Map - Segment A13



Order Details

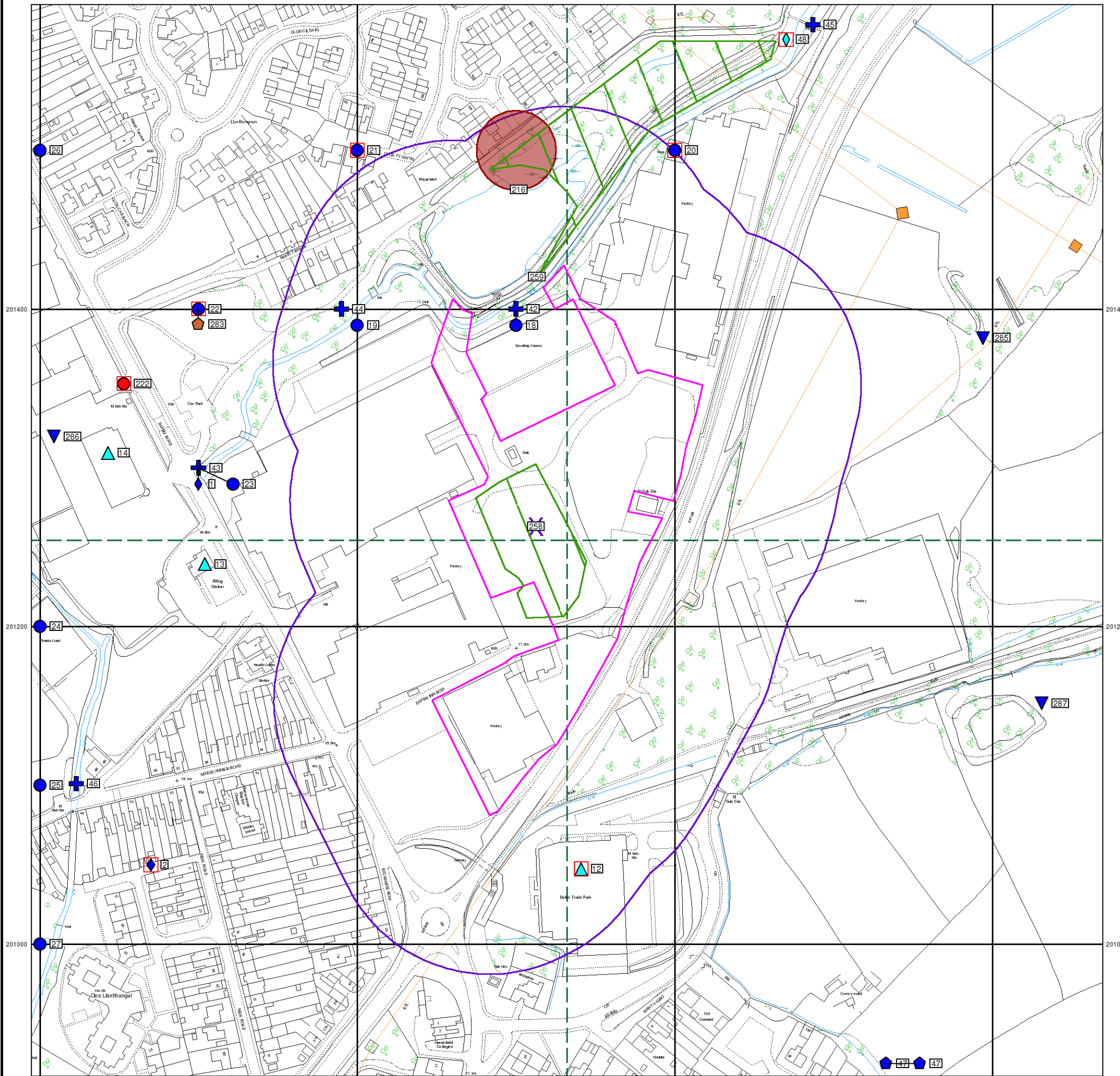
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Plot Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	RSBD	Raised Storm Beach Deposits	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SW	Swansea Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	GDB	Grovesend Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	GDB	Grovesend Formation	Sandstone	Not Supplied - Westphalian
	SW	Swansea Member	Sandstone	Not Supplied - Westphalian
	H	Hughes Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	H	Hughes Member	Sandstone	Not Supplied - Westphalian
	BD	Brithdir Member	Sandstone	Not Supplied - Westphalian
	BD	Brithdir Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
		Faults		
		Rock Segments		

Intégral Géotechnique

Geology 1:50,000 Maps

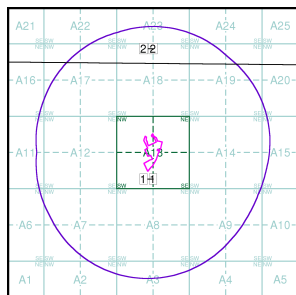
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	2	Map ID:	1
Map Sheet No:	230	Map Sheet No:	247
Map Name:	Ammanford	Map Name:	Swansea
Map Date:	1977	Map Date:	2011
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Available	Landslip:	Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

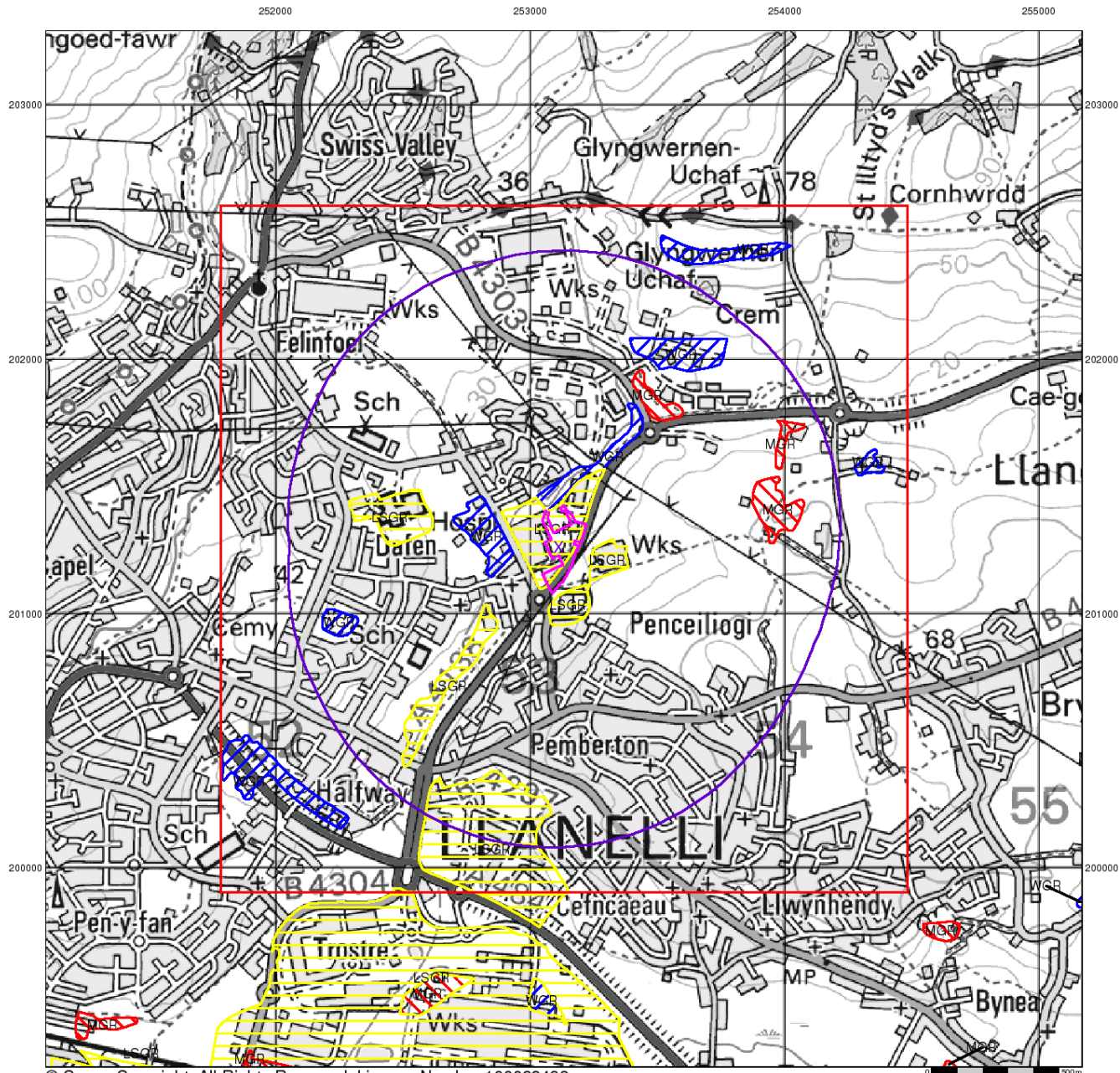


Order Details:

Order Number: 346449928_1_1
 Customer Reference: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details:

Dyfed Steel, Dafen, Llanelli, SA14 8NW



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

Artificial Ground and Landslip

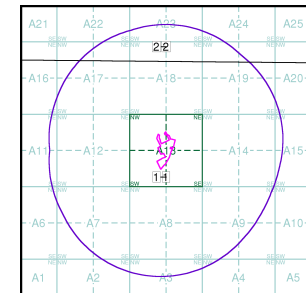
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

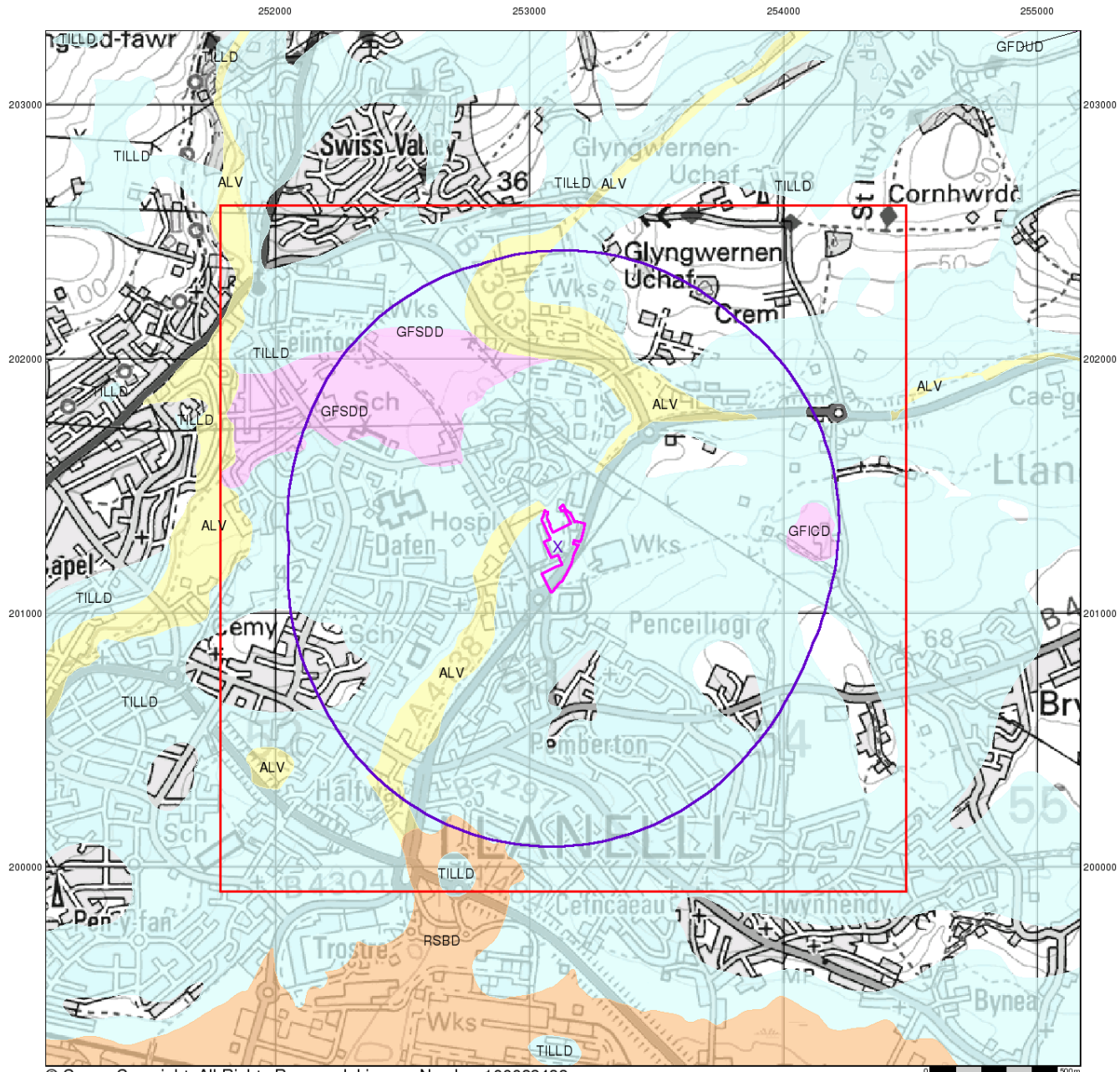
Order Number: 346449928_1_1
 Customer Reference: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details:

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

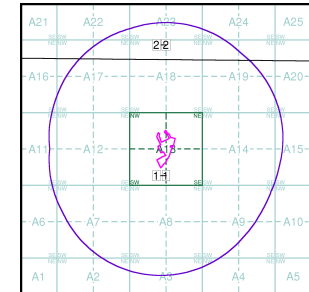
Superficial Geology

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

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

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

Superficial Geology Map - Slice A

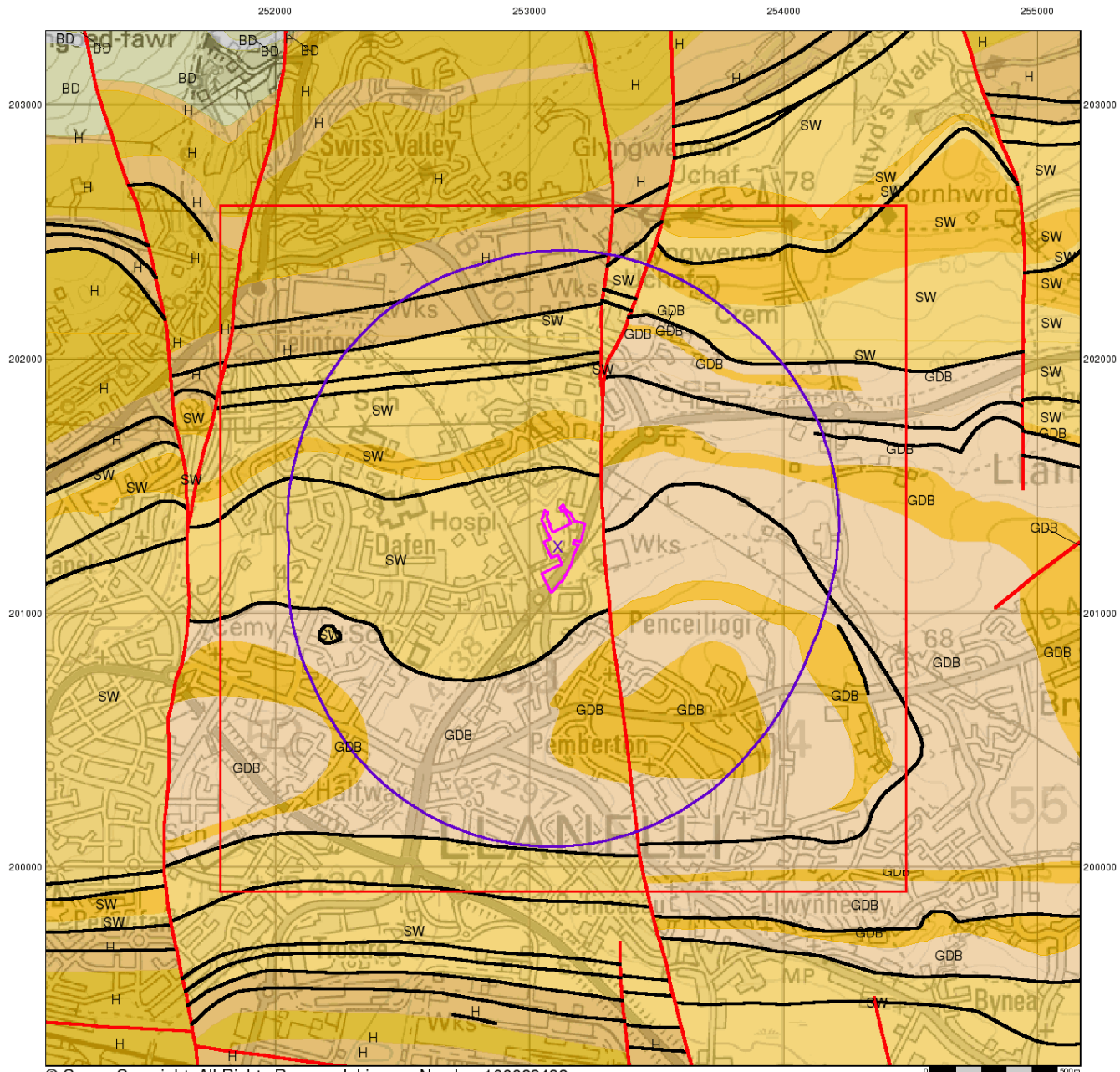


Order Details:

Order Number: 346449928_1_1
 Customer Reference: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details:

Dyfed Steel, Dafen, Llanelli, SA14 8NW



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

Bedrock and Faults

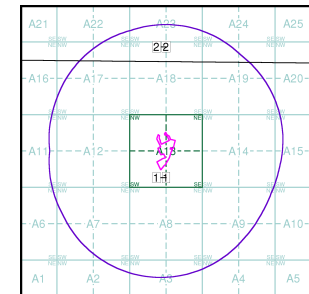
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

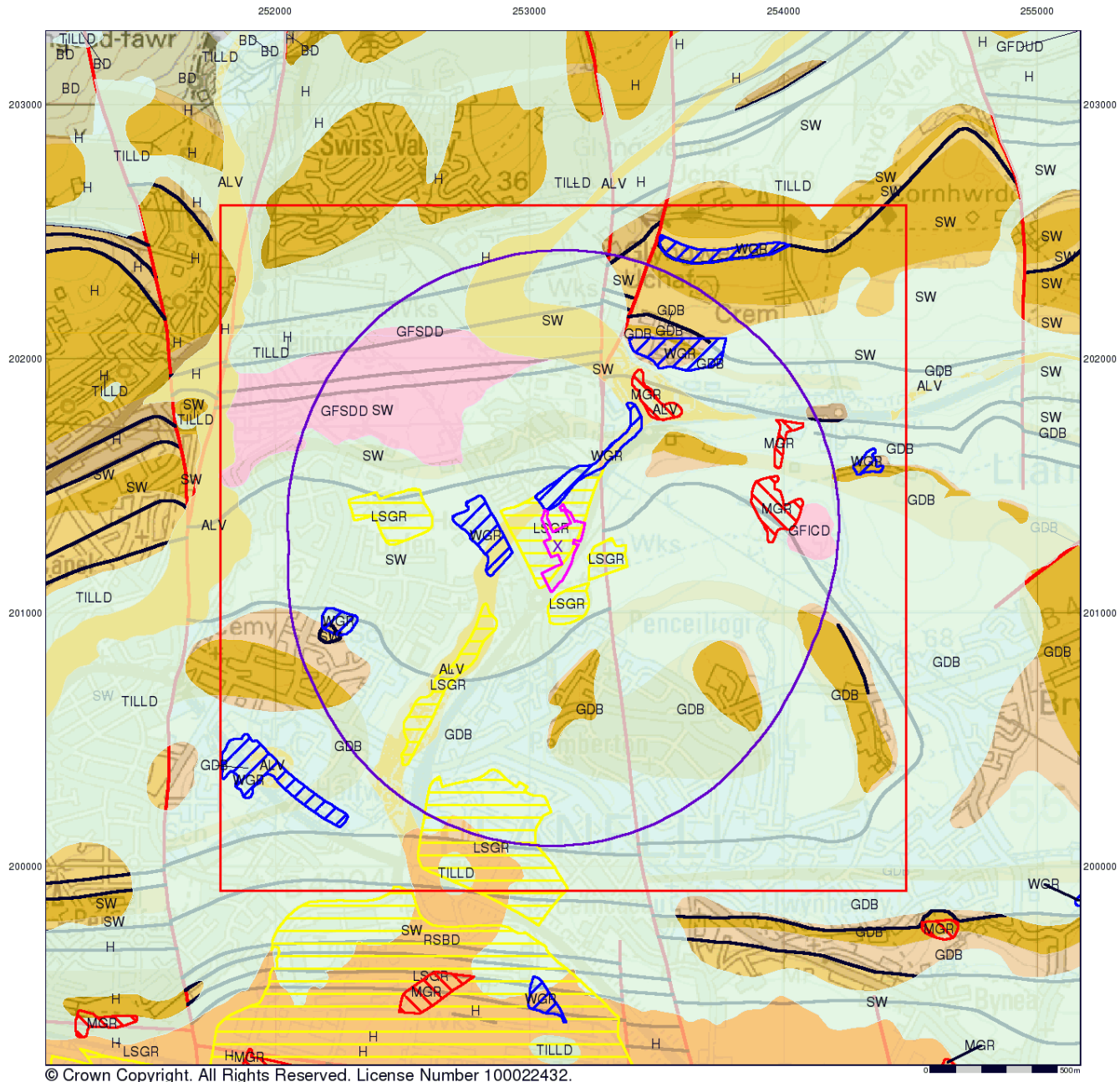
Order Number: 346449928_1_1
 Customer Reference: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details:

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

Combined Surface Geology

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

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

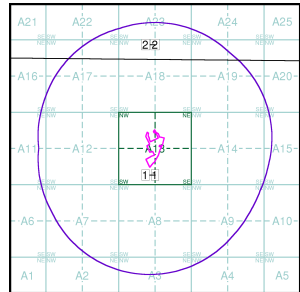
Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 346449928_1_1
Customer Reference: 14316/LP
National Grid Reference: 253110, 201260
Slice: A
Site Area (Ha): 2.5
Search Buffer (m): 1000

Site Details:

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
INFORMATION GROUP

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

- Gravel Pit
- Sand Pit
- Other Pits
- Quarry
- Shingle
- Orchard
- Osiers
- Reeds
- Marsh
- Mixed Wood
- Deciduous
- Brushwood
- Fir
- Furze
- Rough Pasture
- Arrow denotes flow of water
- Trigonometrical Station
- Site of Antiquities
- Bench Mark
- Pump, Guide Post, Signal Post
- Well, Spring, Boundary Post
- 285 Surface Level
- Sketched Contour
- Instrumental Contour
- Main Roads (Fenced, Un-Fenced)
- Minor Roads (Fenced, Un-Fenced)
- Sunken Road
- Raised Road
- Road over Railway
- Railway over River
- Railway over Road
- Level Crossing
- Road over River or Canal
- Road over Stream
- Road over Stream
- County Boundary (Geographical)
- County & Civil Parish Boundary
- Administrative County & Civil Parish Boundary
- 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
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Direction of Flow of Water
- Pylon
- Electricity Transmission Line
- Pole
- 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 (Shown only when not coincident with other boundaries)
- Civil Parish (Shown alternately when coincidence of boundaries occurs)
- BP, BS: Boundary Post or Stone
- Ch: Church
- CH: Club House
- F E Sta: Fire Engine Station
- FB: Foot Bridge
- Fn: Fountain
- GP: Guide Post
- MP: Mile Post
- MS: Mile Stone
- Pol Sta: Police Station
- PO: Post Office
- PC: Public Convenience
- PH: Public House
- SB: Signal Box
- Spr: Spring
- TCB: Telephone Call Box
- TCP: Telephone Call Post
- W: Well

1:10,000 Raster Mapping

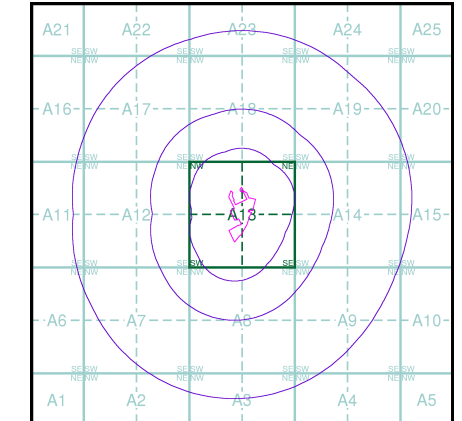
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Area of wooded vegetation
- Non-coniferous trees (scattered)
- Coniferous trees (scattered)
-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

Intégral
Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	2
Carmarthenshire	1:10,560	1889	3
Carmarthenshire	1:10,560	1907 - 1908	4
Carmarthenshire	1:10,560	1921 - 1922	5
Carmarthenshire	1:10,560	1938 - 1951	6
Carmarthenshire	1:10,560	1953	7
Ordnance Survey Plan	1:10,000	1965	8
Ordnance Survey Plan	1:10,000	1973 - 1975	9
Ordnance Survey Plan	1:10,000	1992	10
10K Raster Mapping	1:10,000	1999 - 2000	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2024	13

Historical Map - Slice A



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

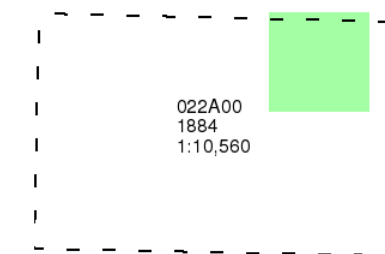
Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
INFORMATION GROUP

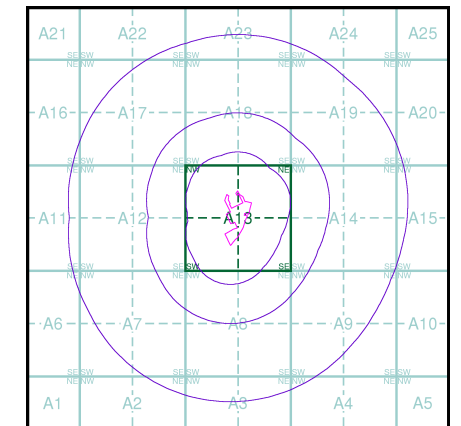
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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

Map Name(s) and Date(s)



Historical Map - Slice A

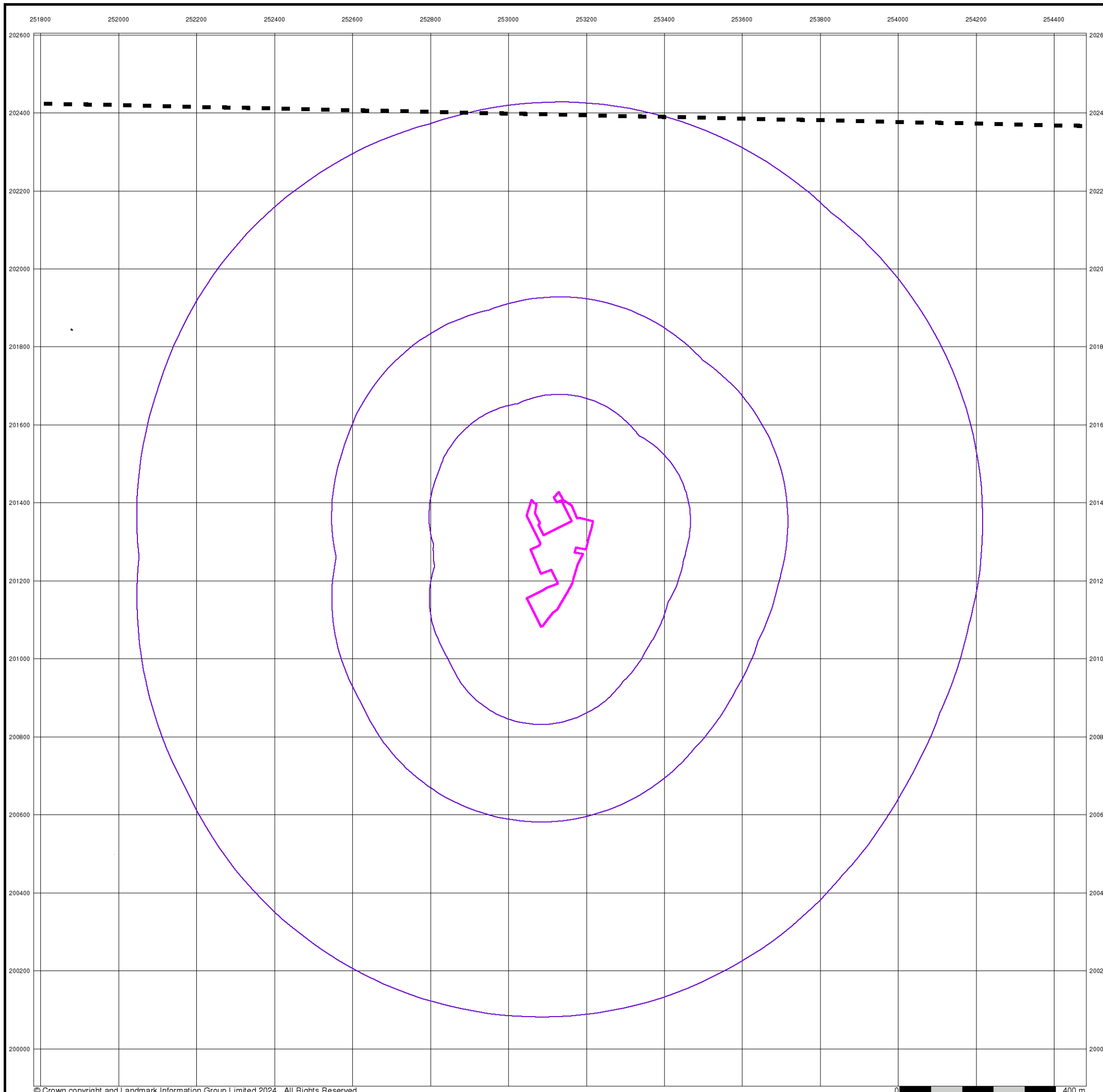


Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



Intégral Géotechnique

Carmarthenshire

Published 1889

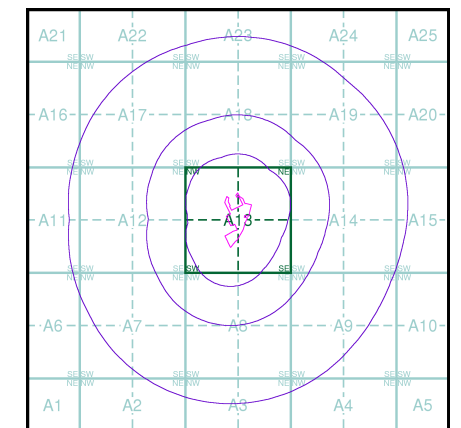
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

054SE	1889	1:10,560
058NE	1889	1:10,560

Historical Map - Slice A



Order Details

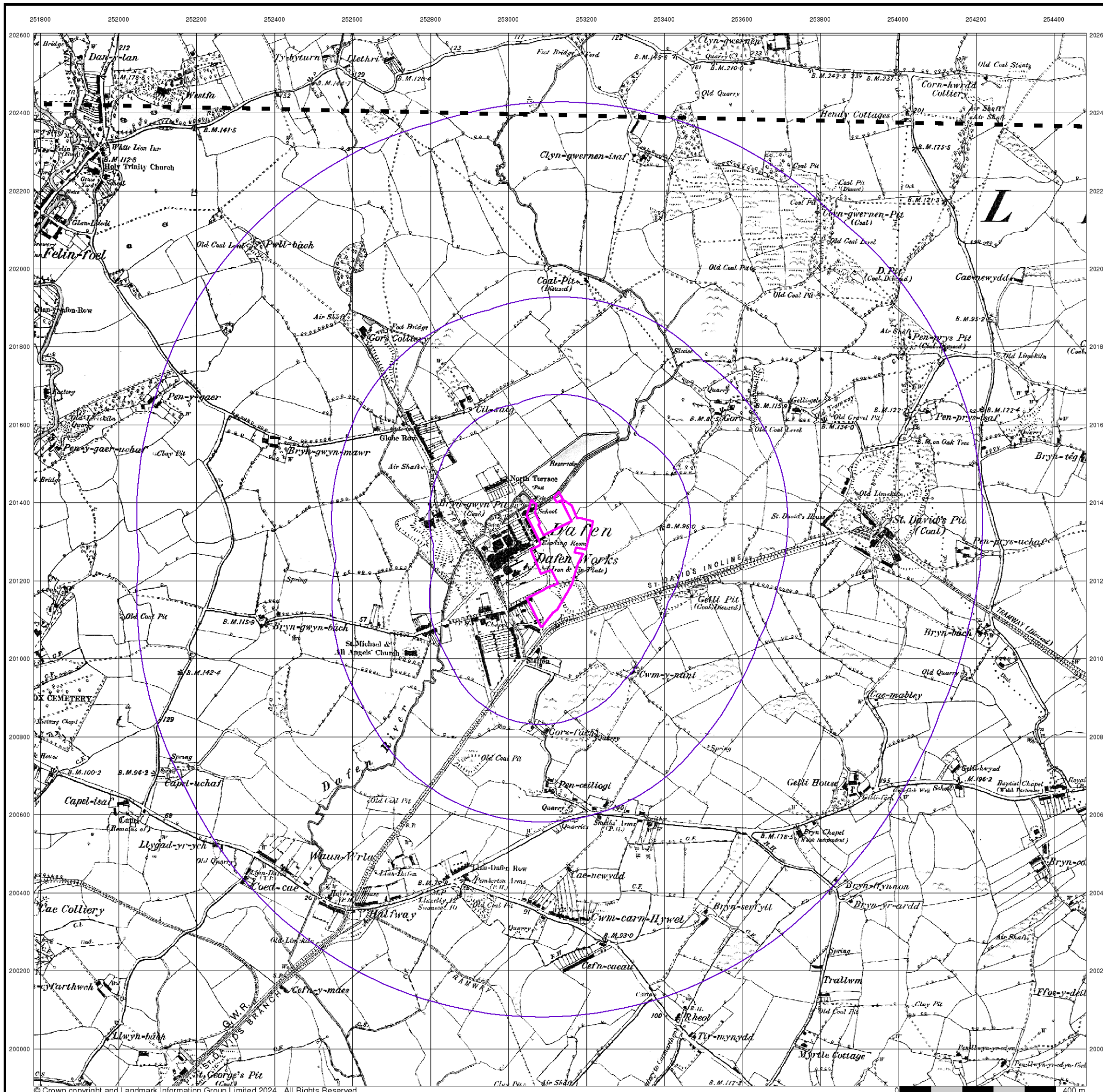
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



Intégral Géotechnique

Carmarthenshire

Published 1907 - 1908

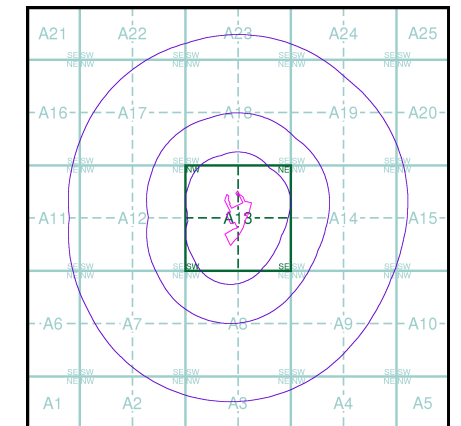
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

054SE	1907	1:10,560
058NE	1908	1:10,560

Historical Map - Slice A



Order Details

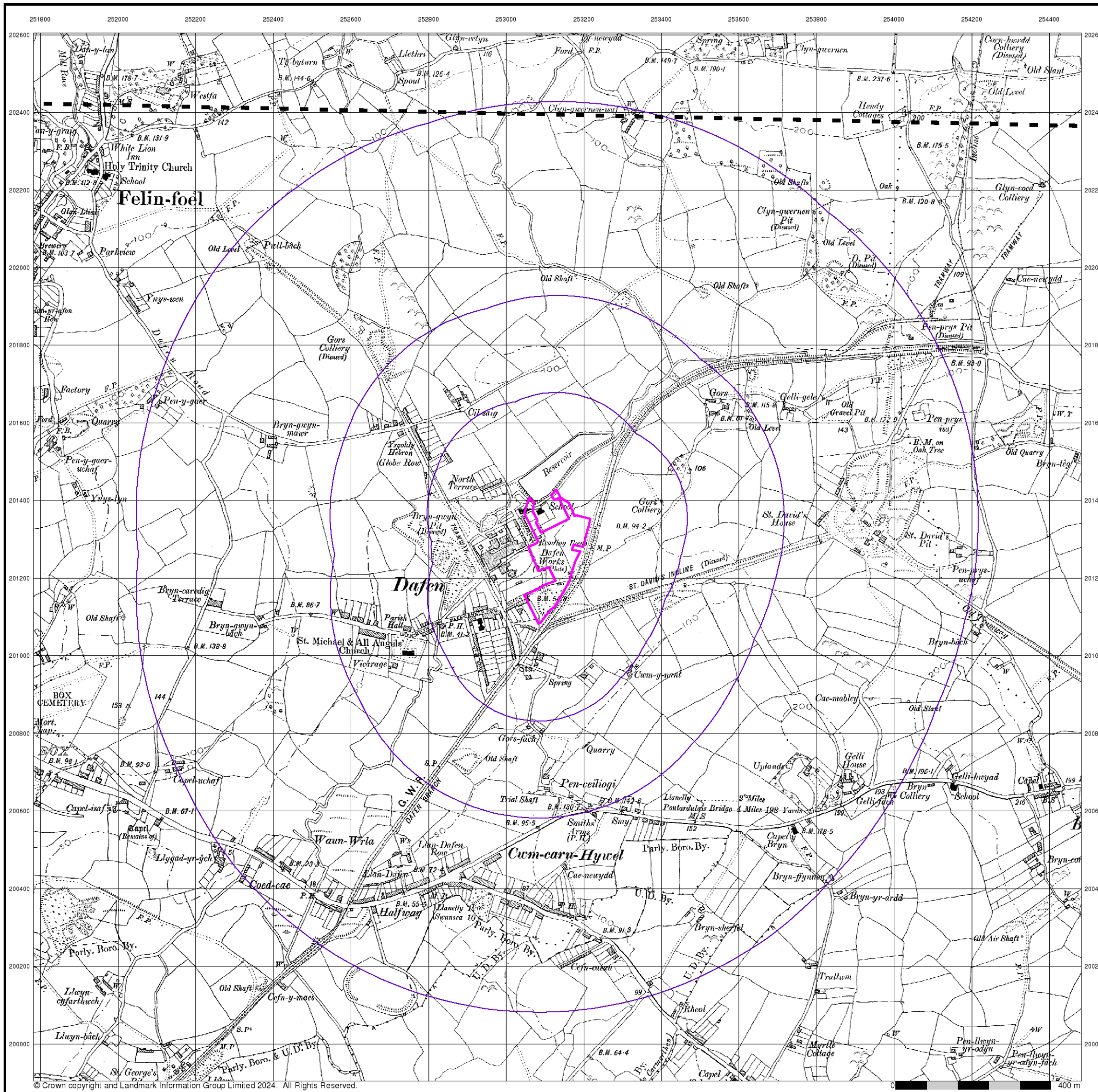
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



Intégral Géotechnique

Carmarthenshire

Published 1921 - 1922

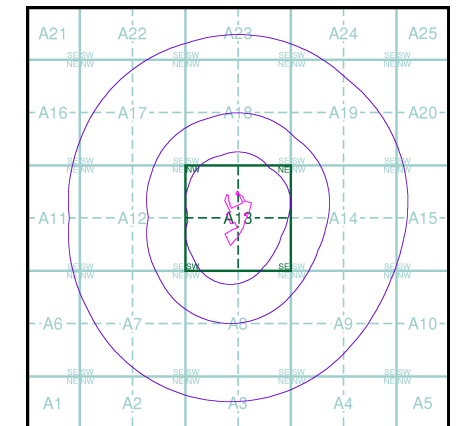
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

054SE	1922	1:10,560
058NE	1921	1:10,560

Historical Map - Slice A



Order Details

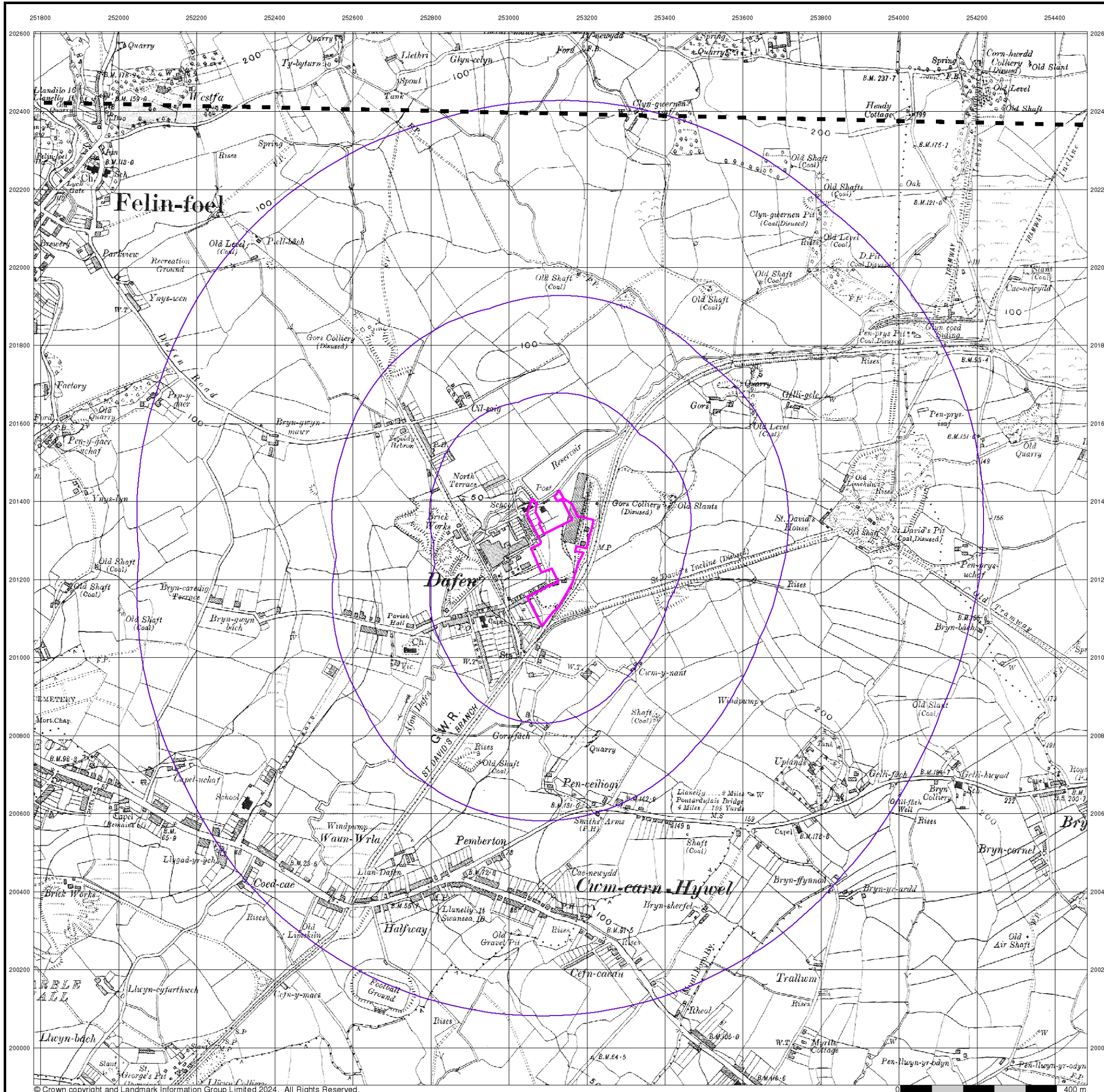
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



Intégral Géotechnique

Carmarthenshire

Published 1938 - 1951

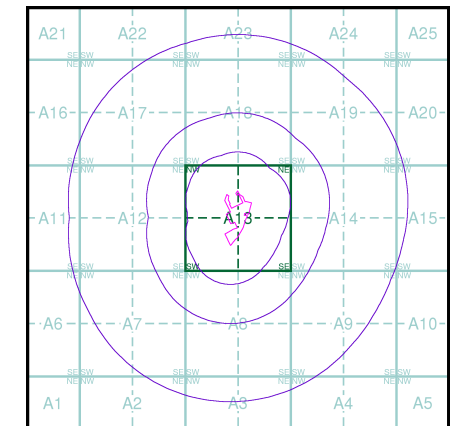
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

054SE	1951	1:10,560
058NE	1938	1:10,560

Historical Map - Slice A



Order Details

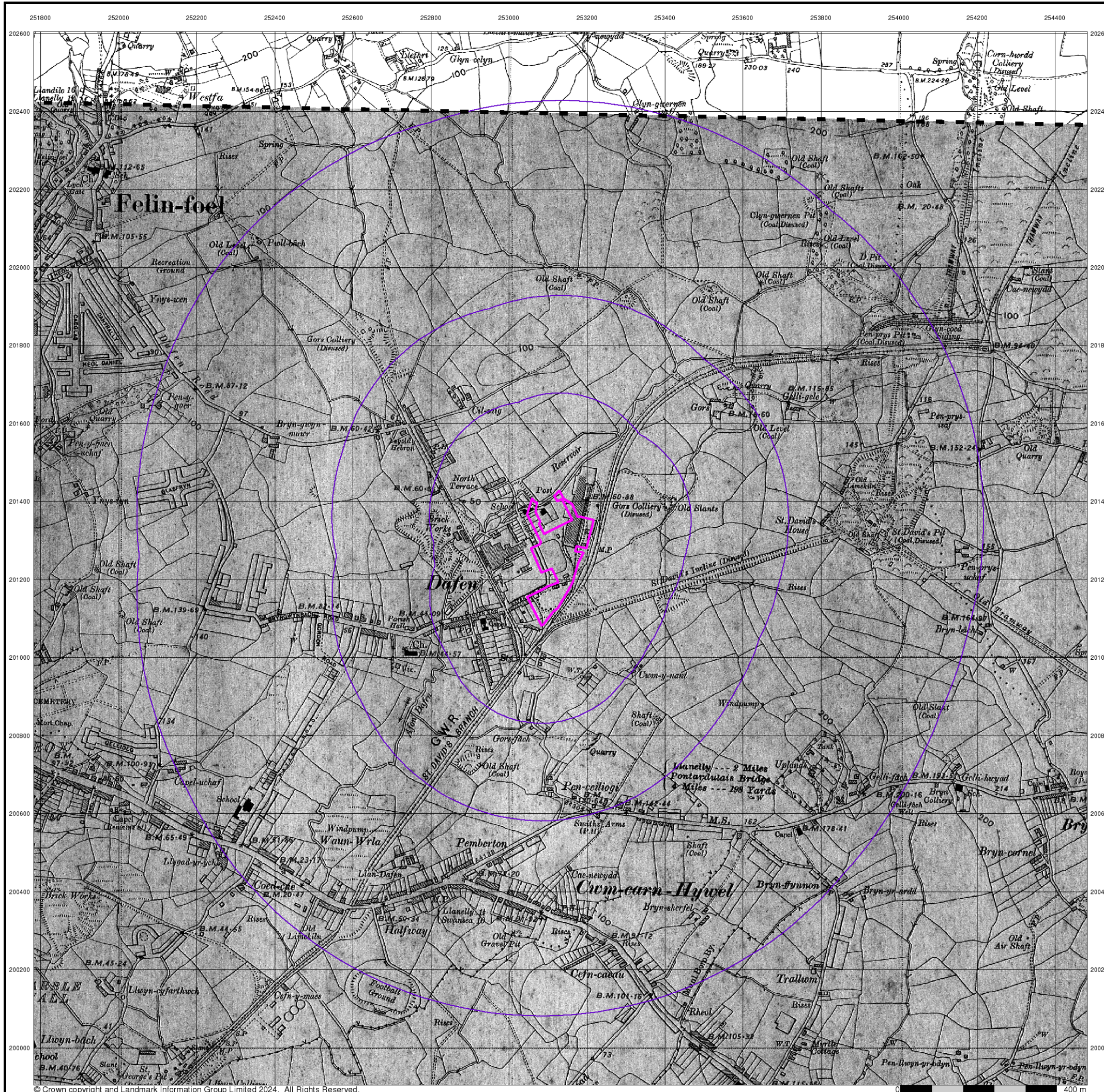
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



Intégral Géotechnique

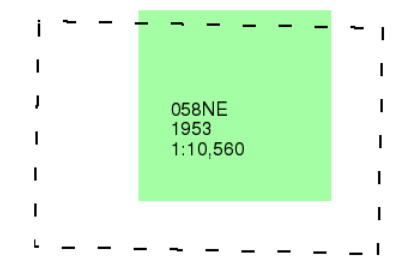
Carmarthenshire

Published 1953

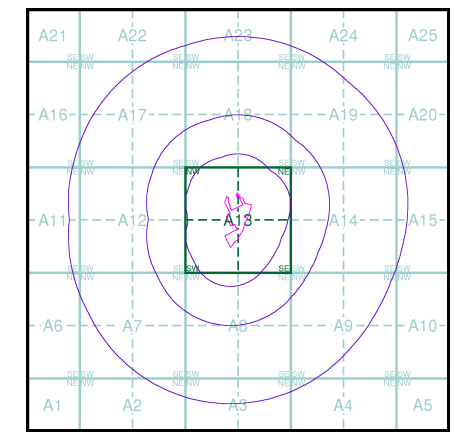
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

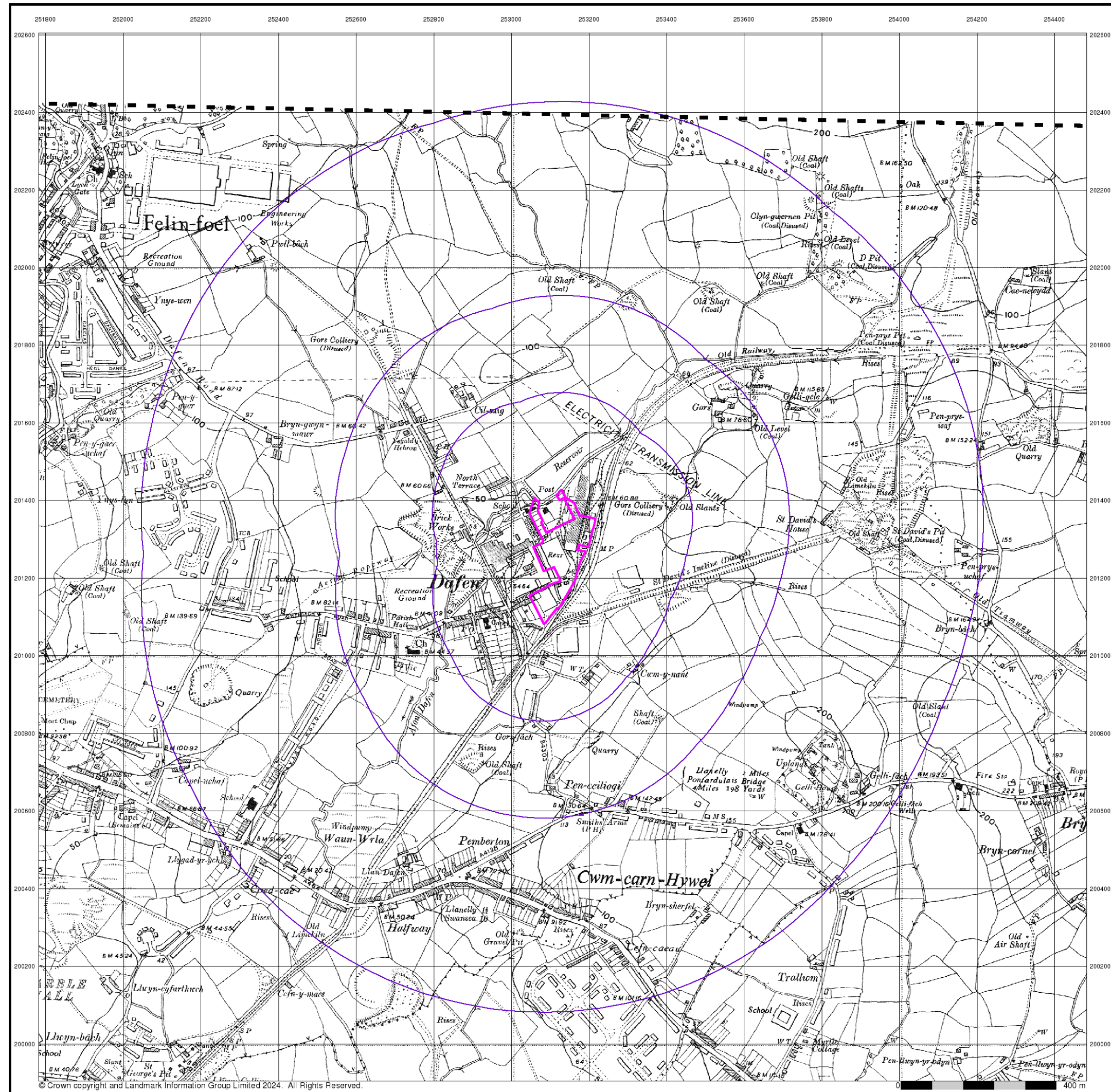
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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





Ordnance Survey Plan

Published 1965

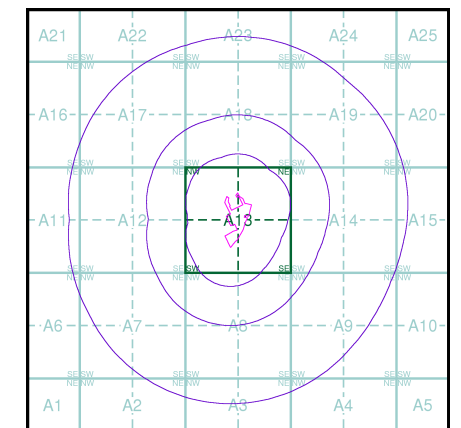
Source map scale - 1:10,000

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)

SN50SW	1965
1:10,560	
SS59NW	1965
1:10,560	

Historical Map - Slice A



Order Details

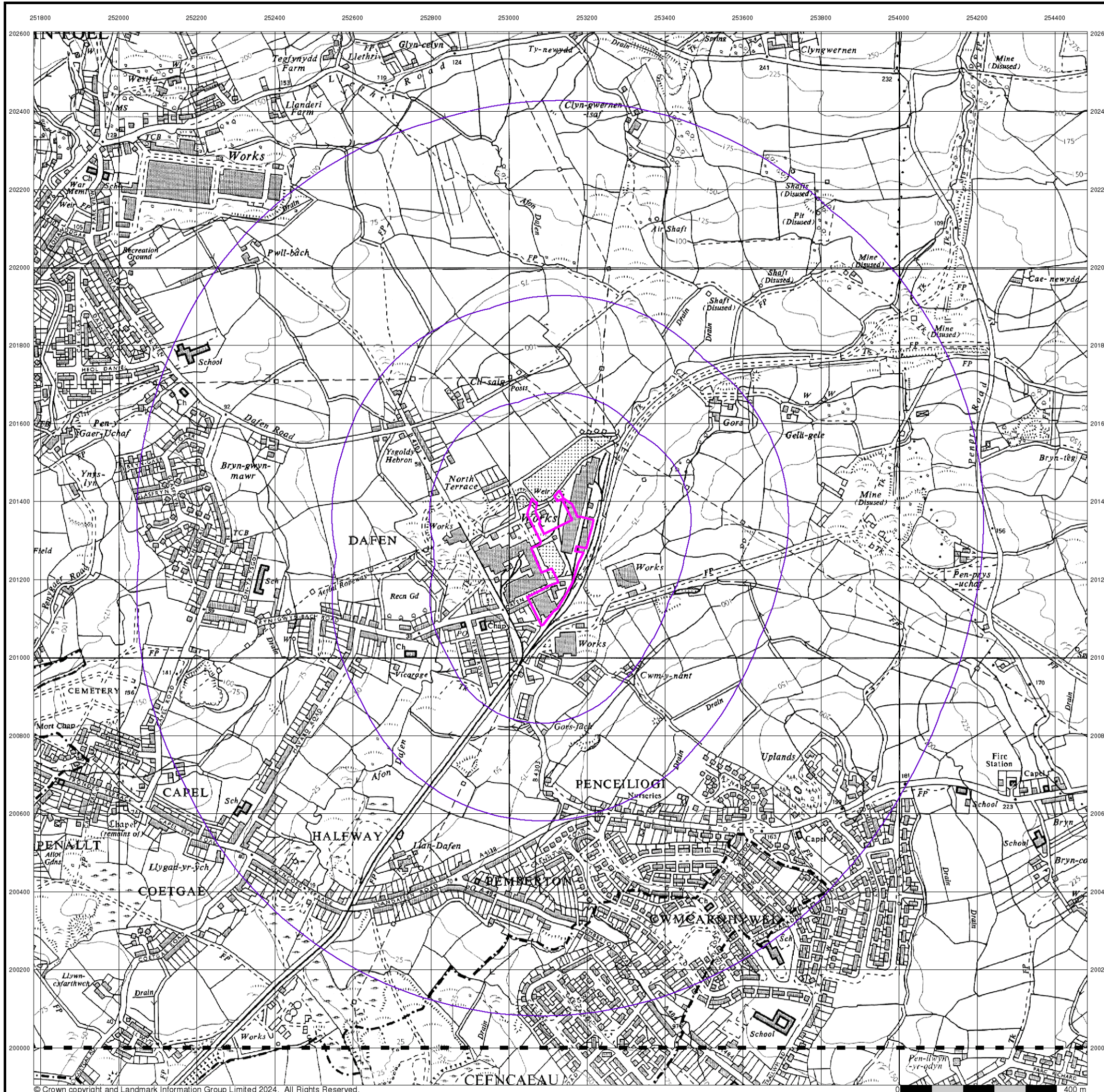
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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





Ordnance Survey Plan

Published 1973 - 1975

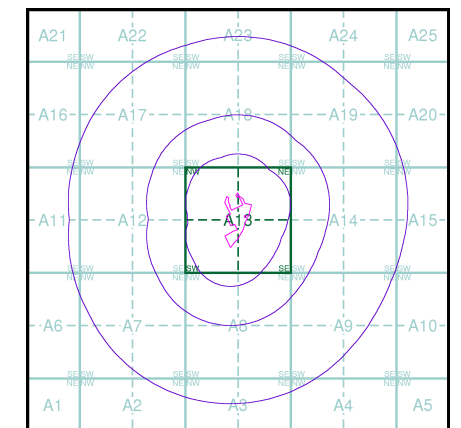
Source map scale - 1:10,000

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)

SN50SW	1975	1:10,000
SS59NW	1973	1:10,000

Historical Map - Slice A



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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





Ordnance Survey Plan

Published 1992

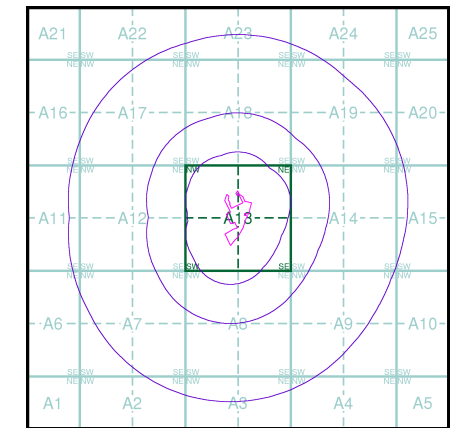
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SN50SW	1992	1:10,000
SS59NW	1992	1:10,000

Historical Map - Slice A



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



Intégral Géotechnique

10k Raster Mapping

Published 1999 - 2000

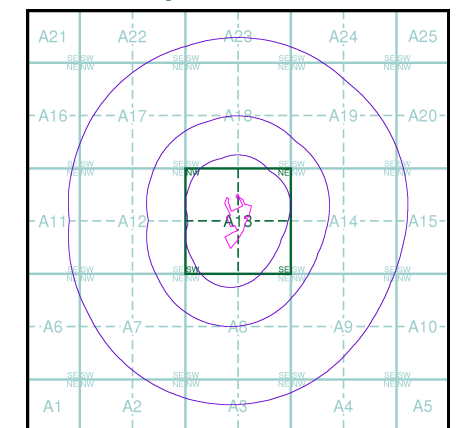
Source map scale - 1:10,000

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)

SN50SW	2000	1:10,000
SS59NW	1999	1:10,000

Historical Map - Slice A



Order Details

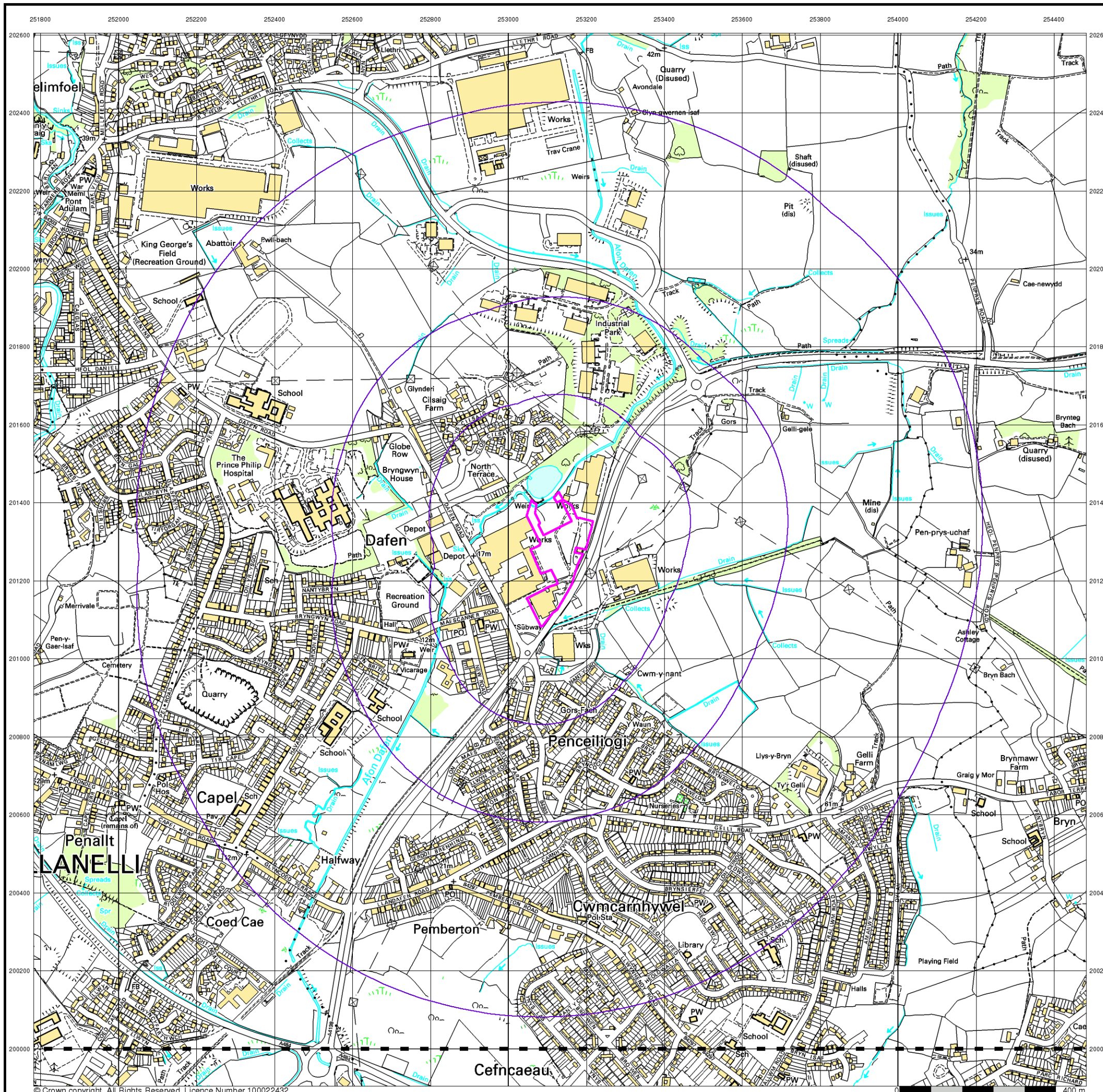
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown copyright. All Rights Reserved. Licence Number 100022432.

Intégral Géotechnique

10k Raster Mapping

Published 2006

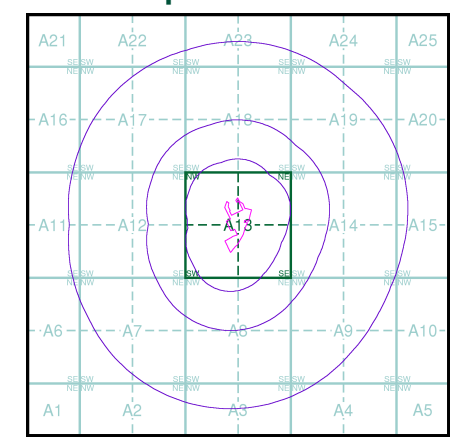
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SN50SW	2006	1:10,000
SS59NW	2006	1:10,000

Historical Map - Slice A



Order Details

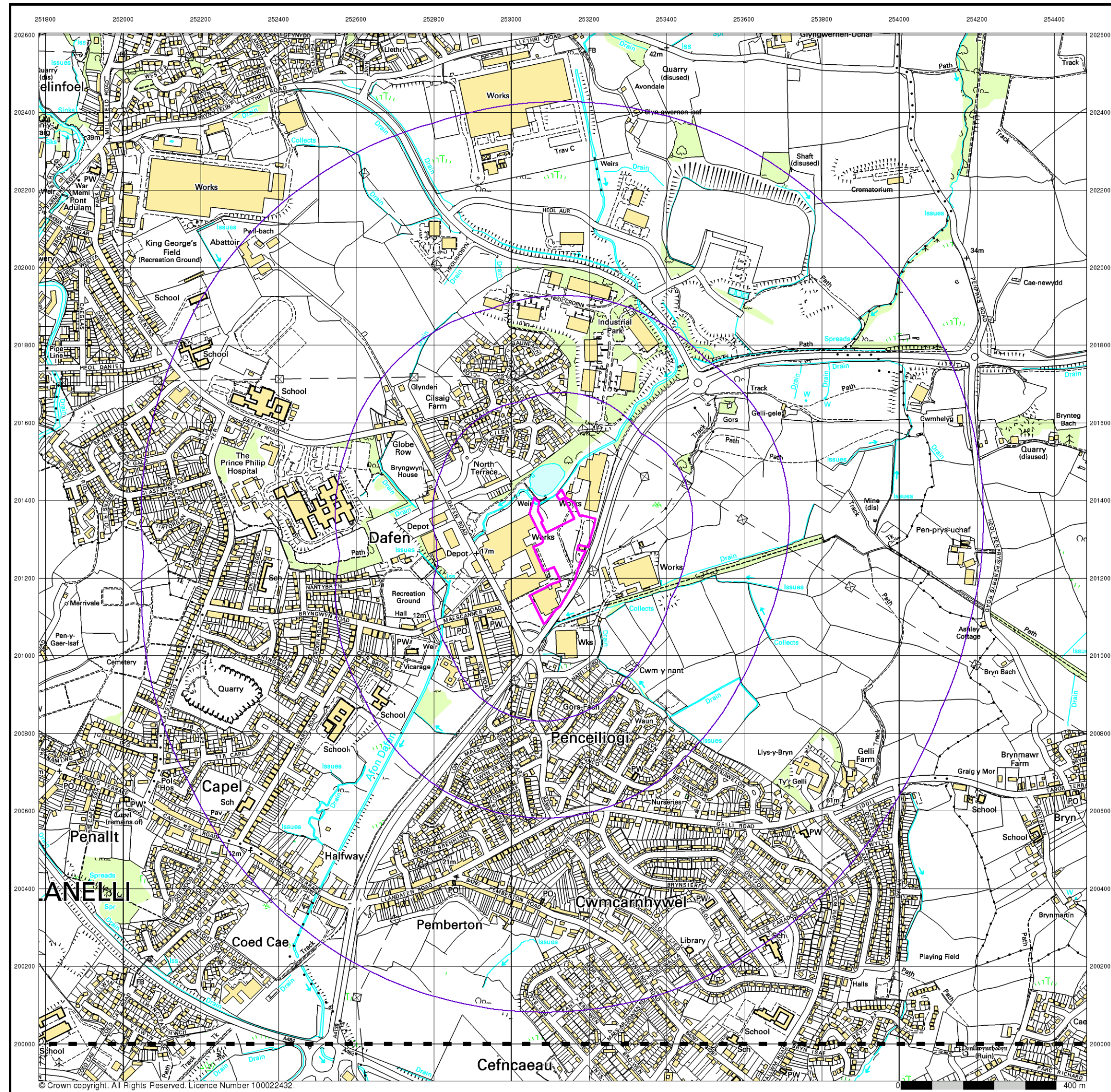
Order Number:	346449928_1_1
Customer Ref:	14316/LP
National Grid Reference:	253110, 201260
Slice:	A
Site Area (Ha):	2.5
Search Buffer (m):	1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



© Crown copyright. All Rights Reserved. Licence Number 100022432.



VectorMap Local

Published 2024

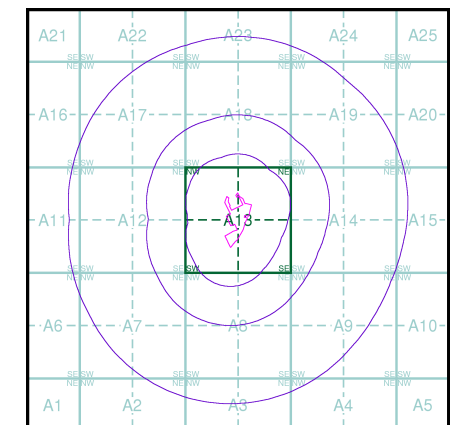
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

- SN50SW | 2024 | Variable
- SS59NW | 2024 | Variable

Historical Map - Slice A



Order Details

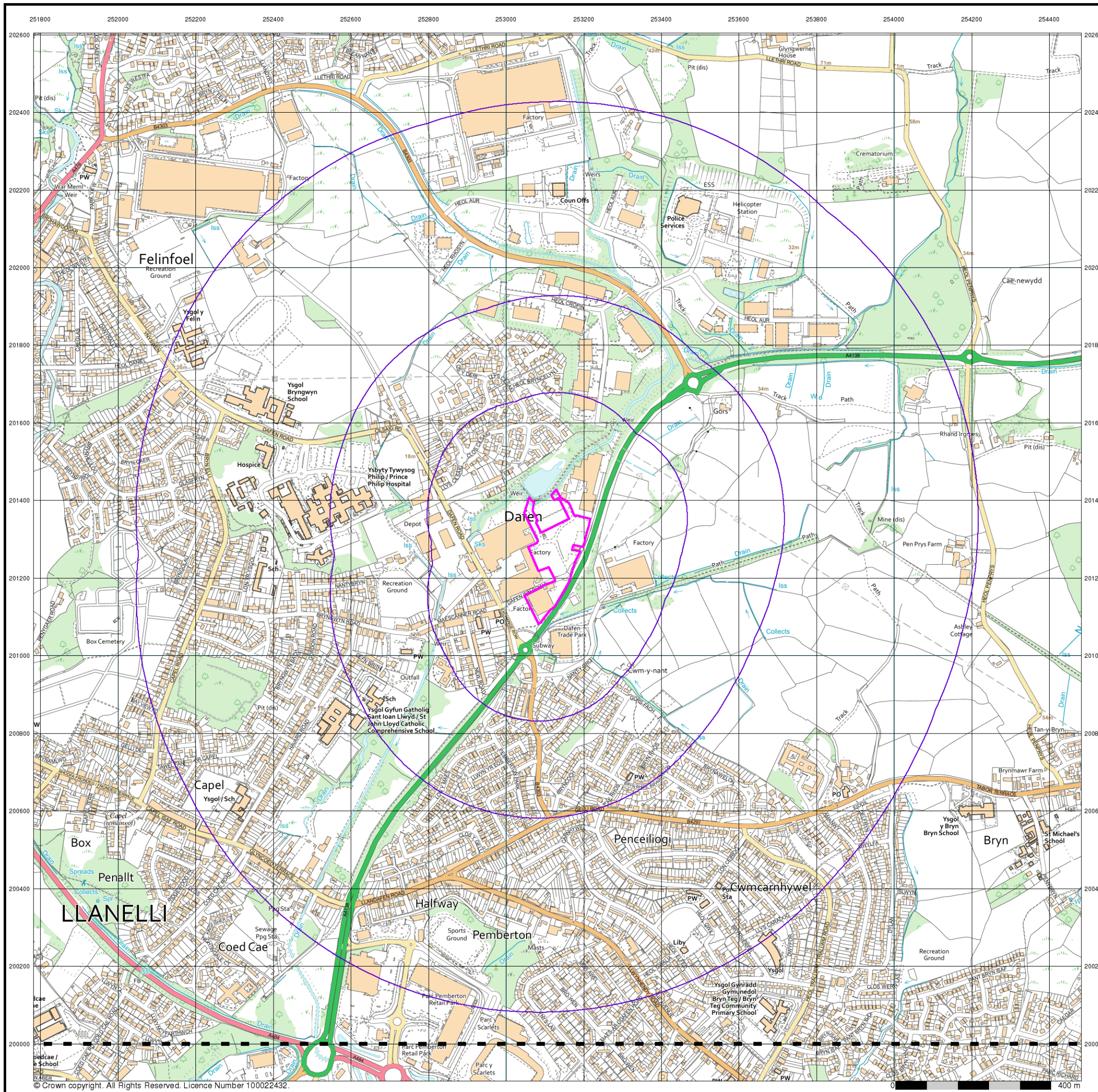
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



© Crown copyright. All Rights Reserved. Licence Number 10002432.

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **Sl** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

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

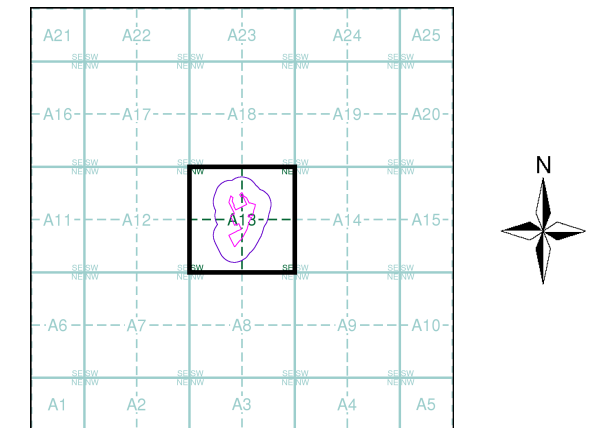
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well

Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Carmarthenshire	1:2,500	1880	2
Carmarthenshire	1:2,500	1907	3
Carmarthenshire	1:2,500	1916	4
Ordnance Survey Plan	1:1,250	1953 - 1987	5
Ordnance Survey Plan	1:2,500	1954 - 1959	6
Ordnance Survey Plan	1:1,250	1962 - 1973	7
Ordnance Survey Plan	1:1,250	1970	8
Supply of Unpublished Survey Information	1:1,250	1973	9
Additional SIMs	1:1,250	1977 - 1987	10
Additional SIMs	1:2,500	1978	11
Additional SIMs	1:1,250	1991	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:1,250	1994	14
Large-Scale National Grid Data	1:1,250	1995	15
Historical Aerial Photography	1:2,500	2001	16

Historical Map - Segment A13

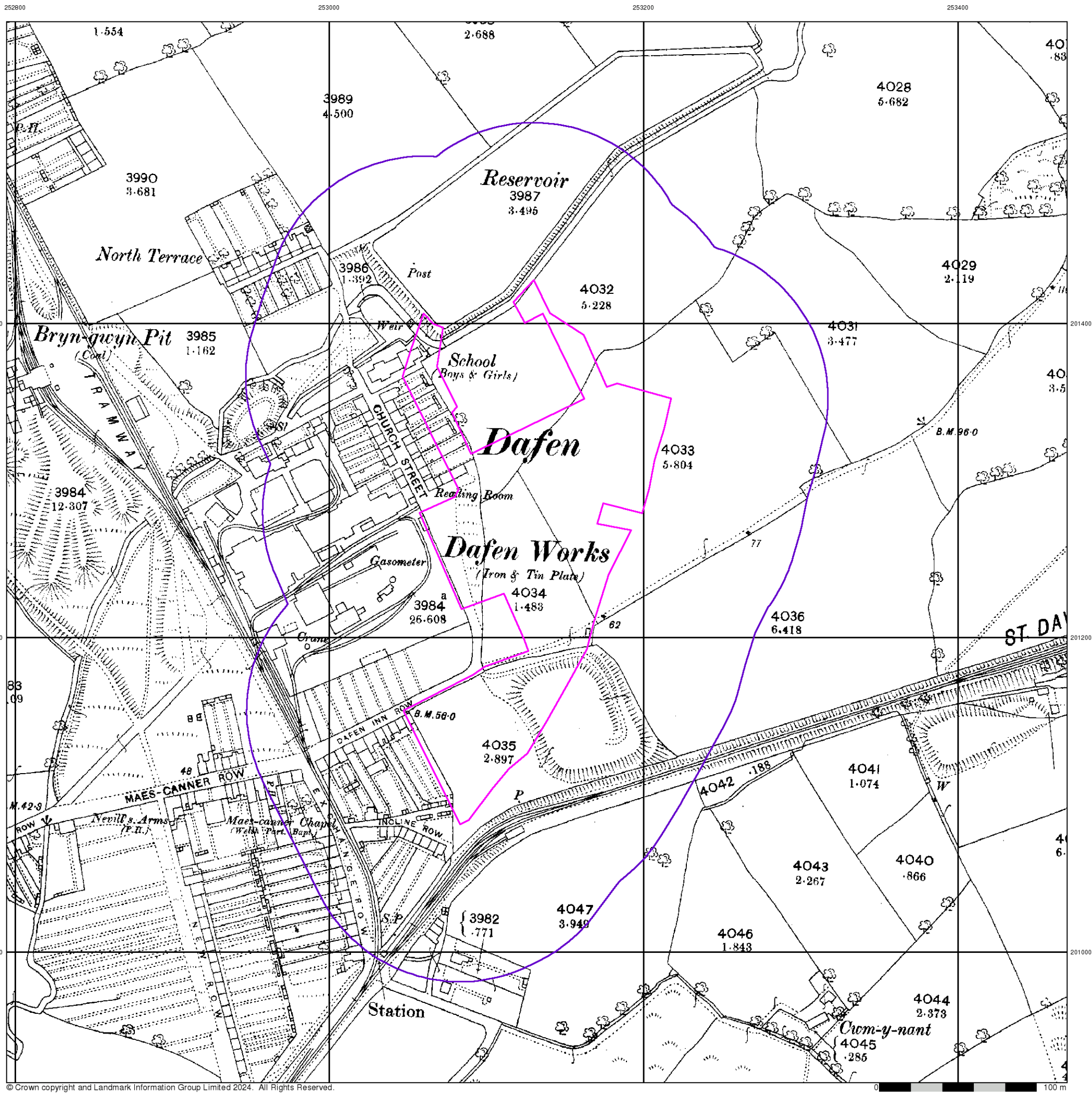


Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



Intégral Géotechnique

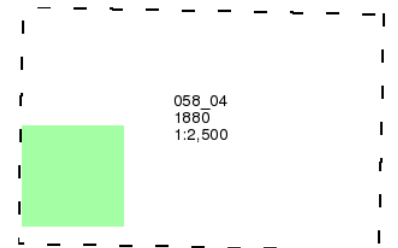
Carmarthenshire

Published 1880

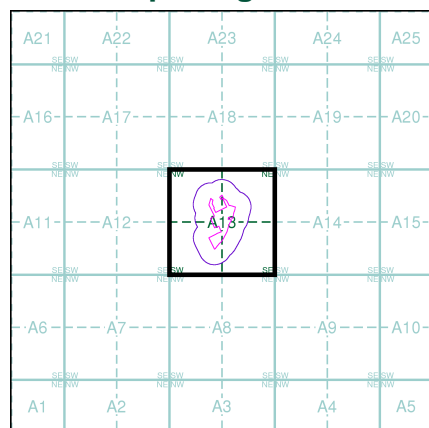
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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

Intégral Géotechnique

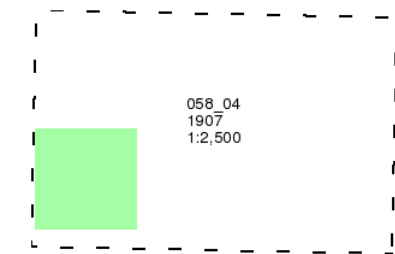
Carmarthenshire

Published 1907

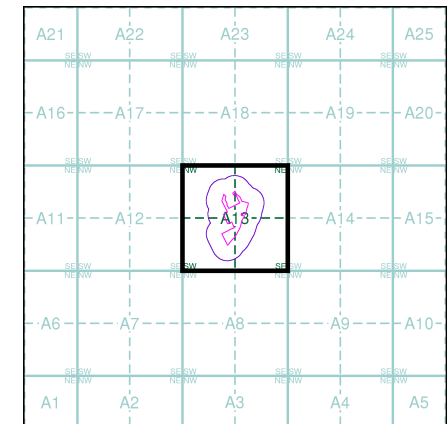
Source map scale - 1:2,500

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

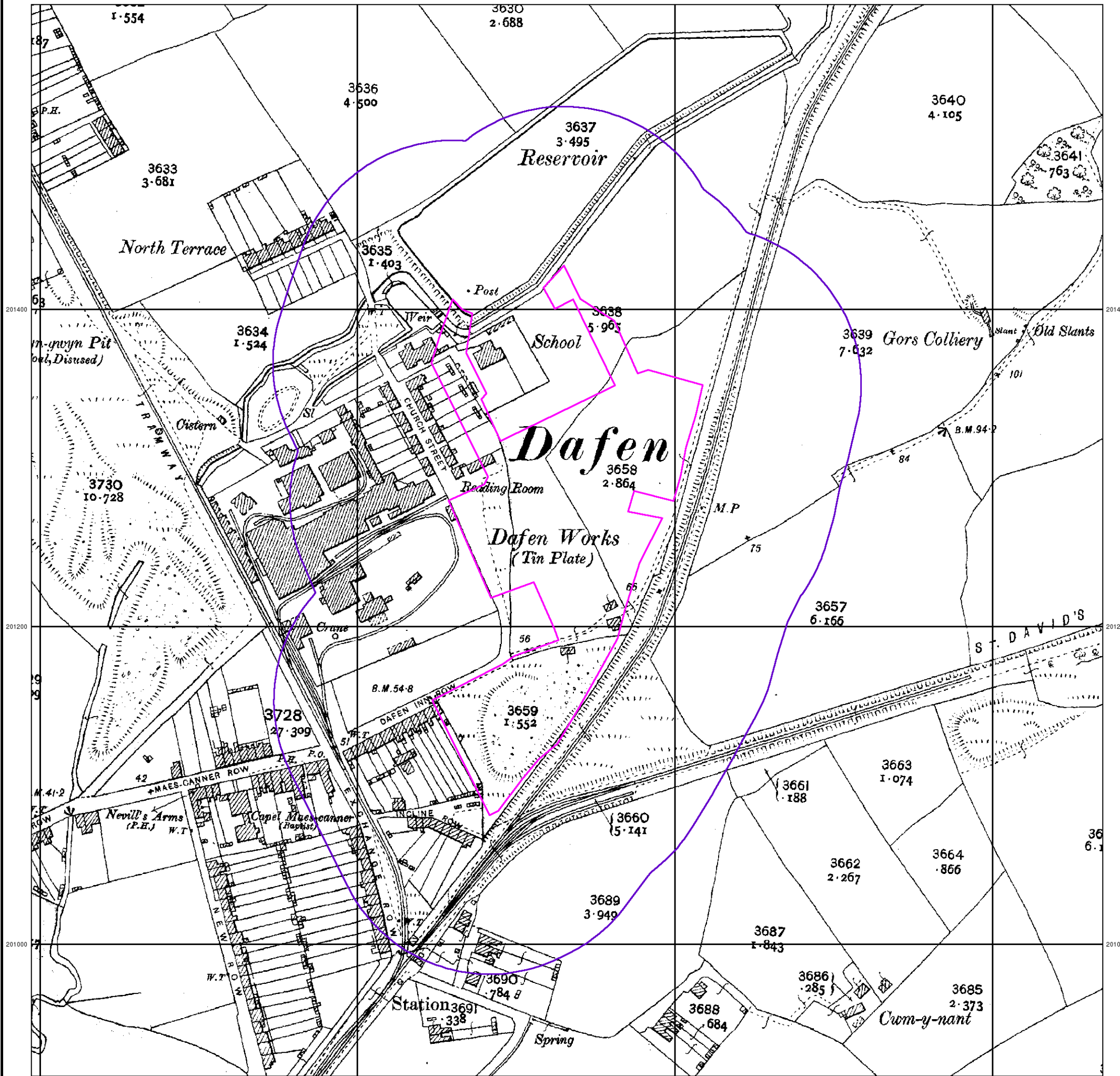
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

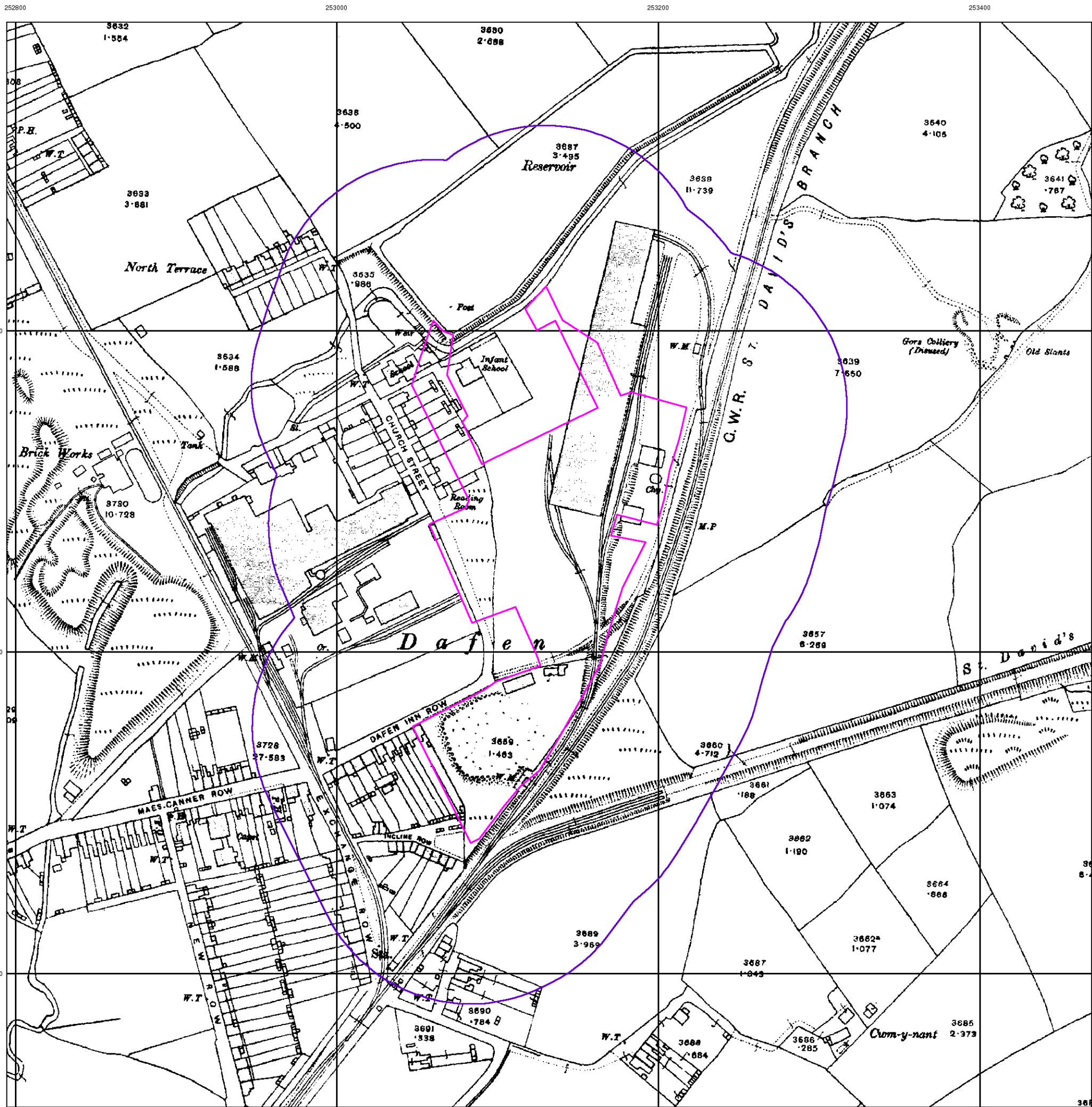
Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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





Intégral Géotechnique

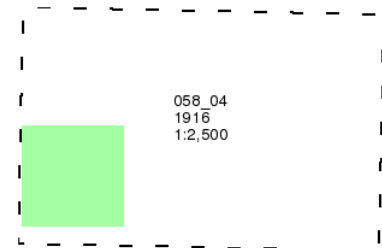
Carmarthenshire

Published 1916

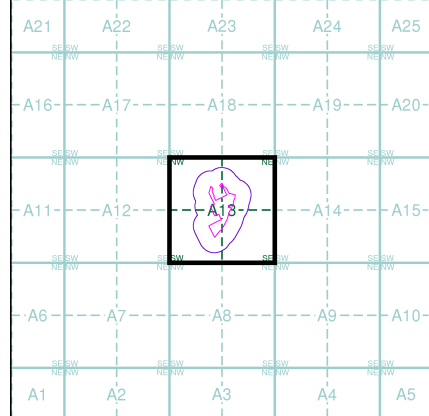
Source map scale - 1:2,500

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: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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

252800

253000

253200

253400



Ordnance Survey Plan

Published 1953 - 1987

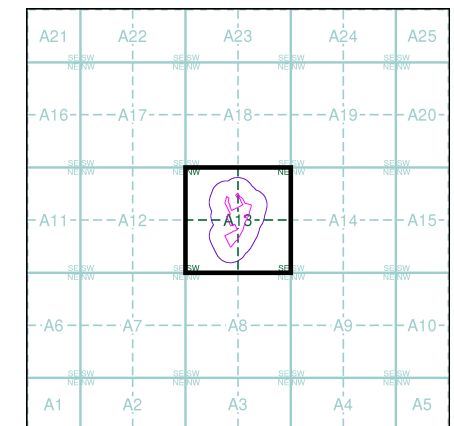
Source map scale - 1:1,250

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)

SN5201NE	SN5301NW
1987	1987
1:1,250	1:1,250
SN5201SE	SN5301SW
1987	1987
1:1,250	1:1,250
SN5200NE	SN5300NW
1953	1953
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

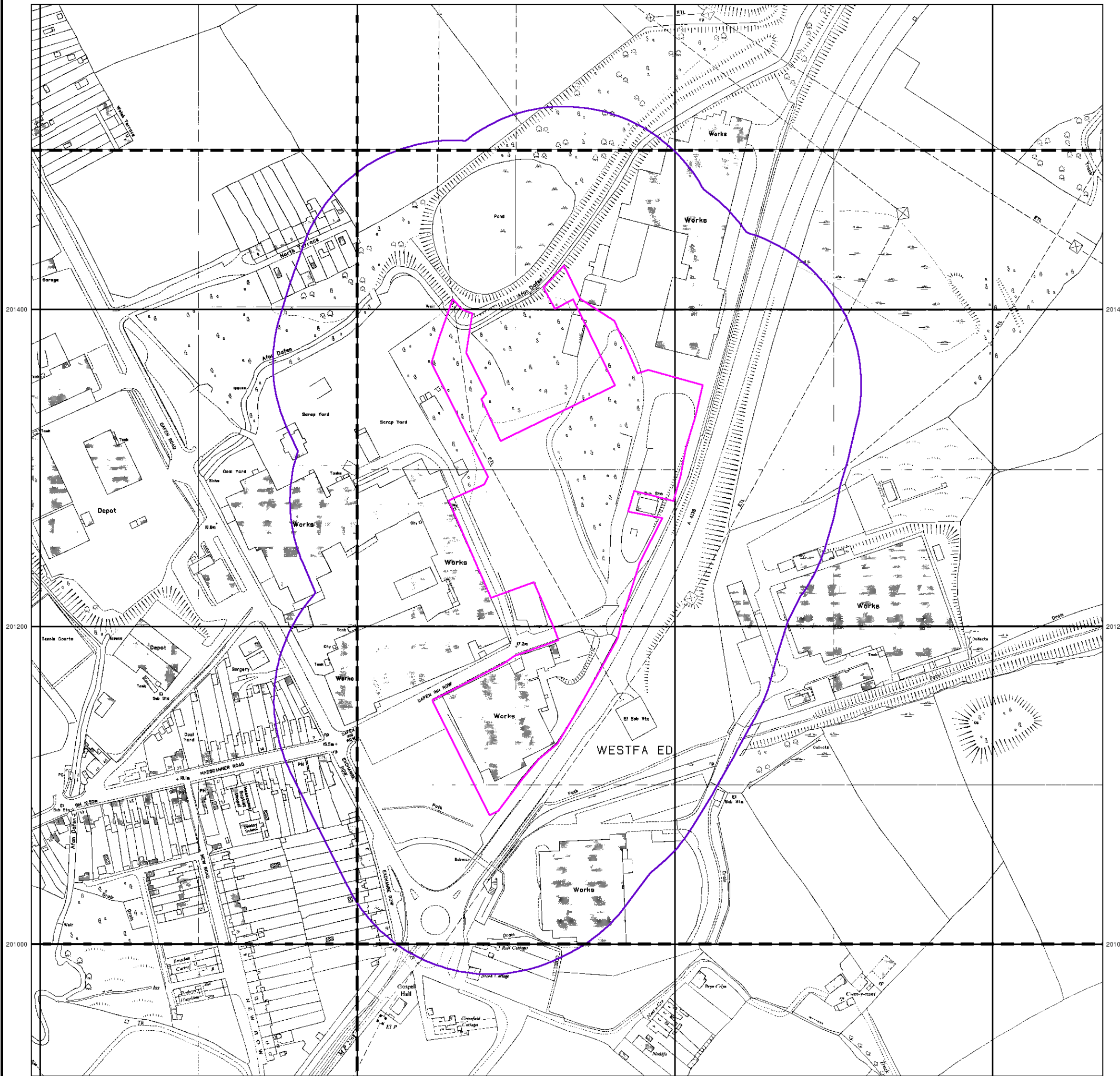
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

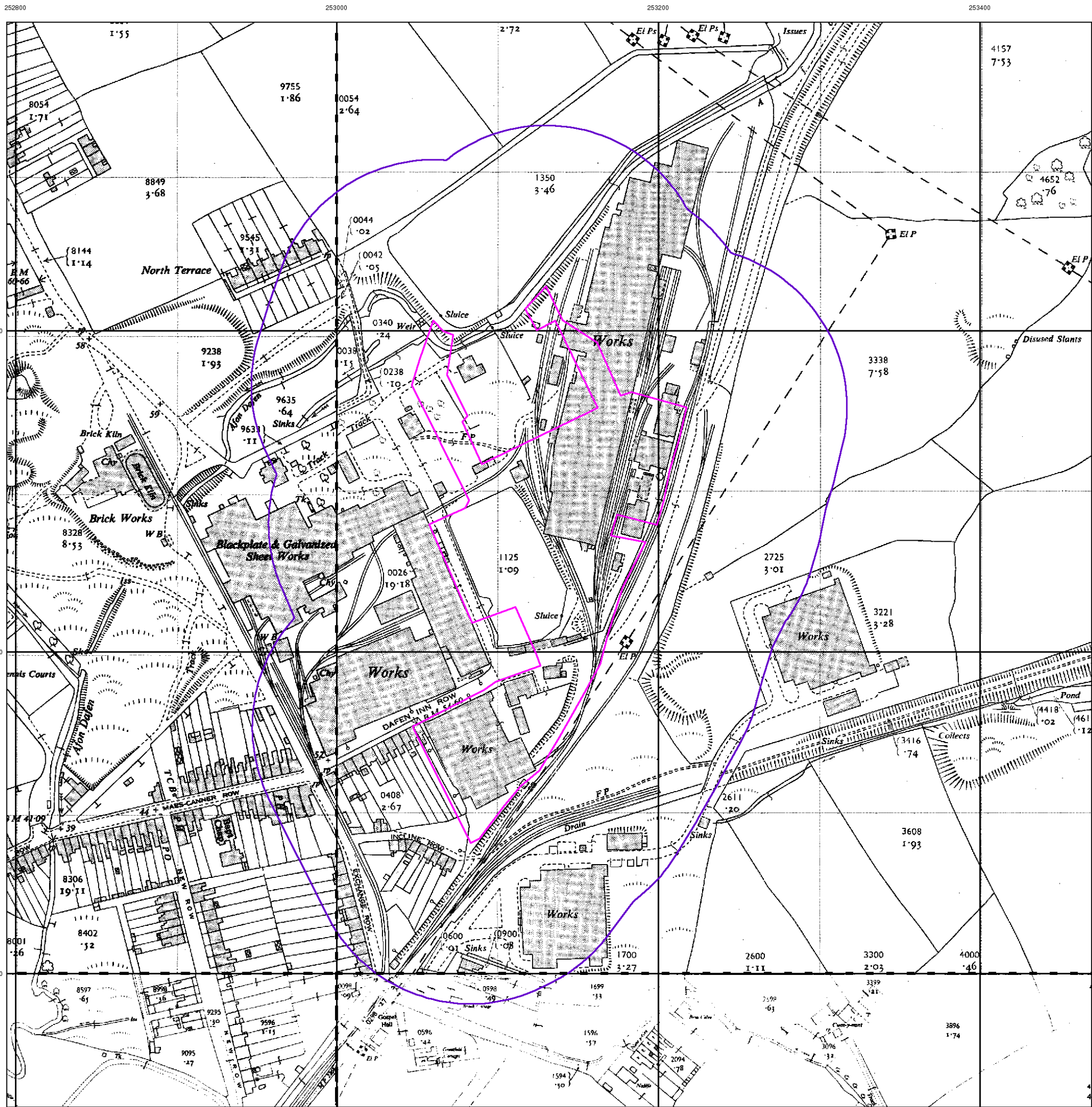
Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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





Intégral Géotechnique

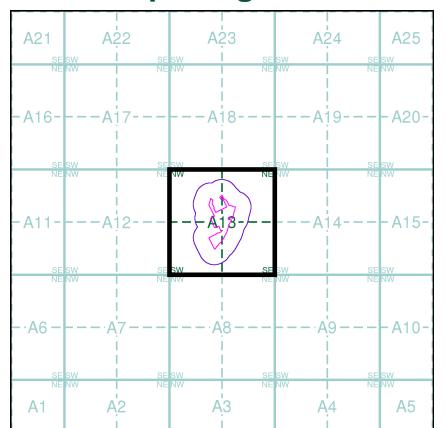
Ordnance Survey Plan
Published 1954 - 1959
Source map scale - 1:2,500

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)

SN5201 1954 1:2,500	SN5301 1959 1:2,500
SN5200 1954 1:2,500	SN5300 1954 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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

252800

253000

253200

253400



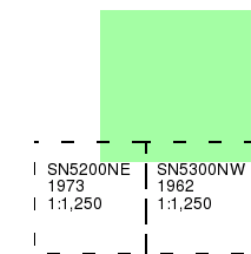
Ordnance Survey Plan

Published 1962 - 1973

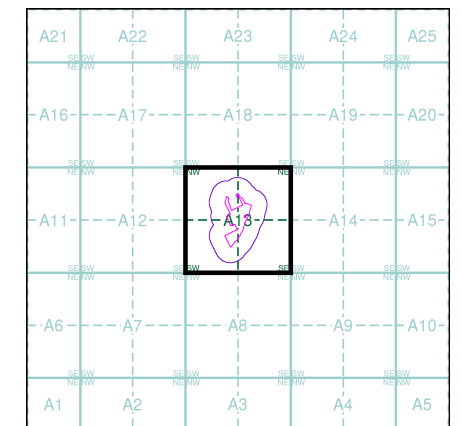
Source map scale - 1:1,250

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

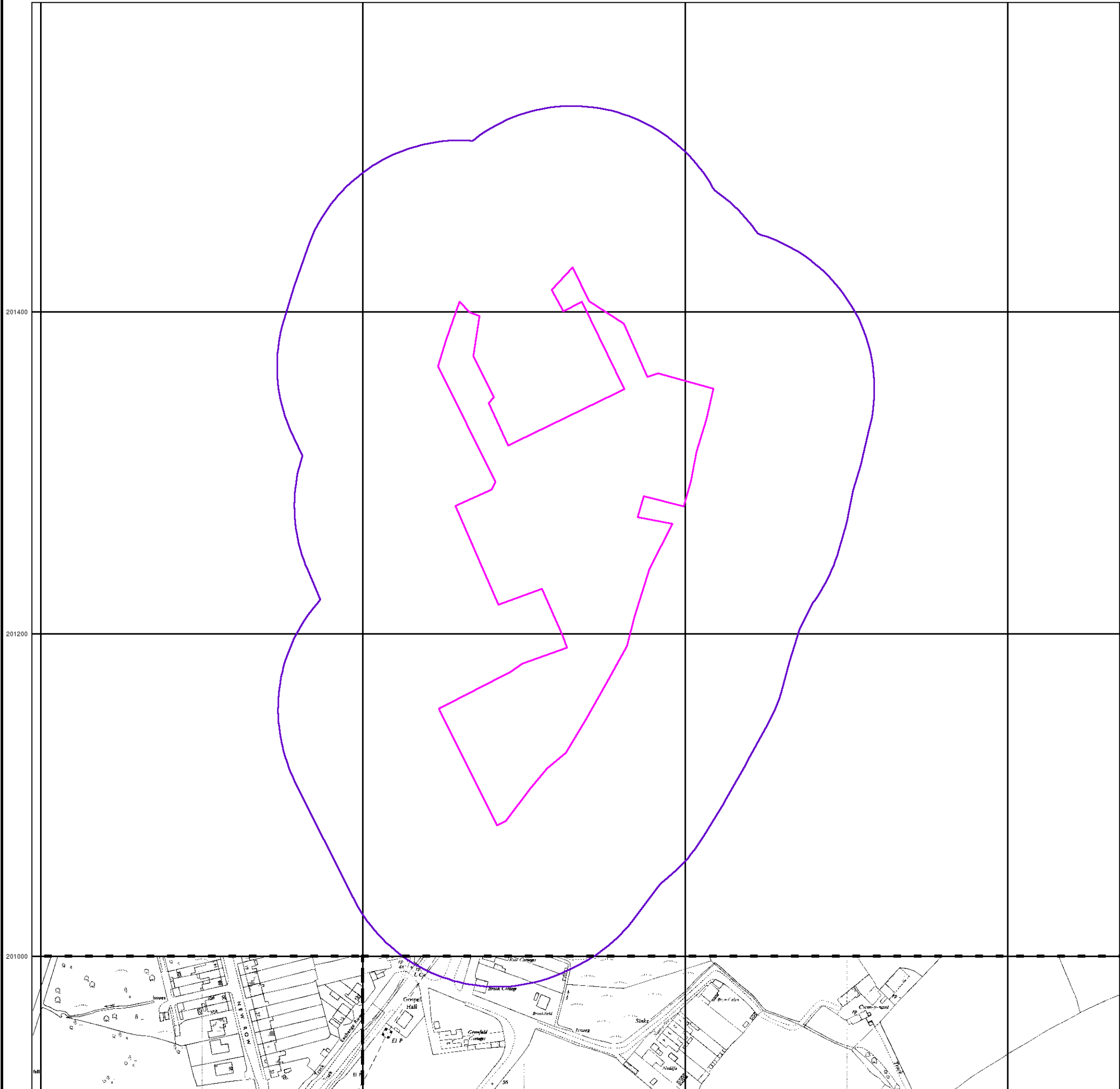
Order Number: 346449928_1_1
Customer Ref: 14316/LP
National Grid Reference: 253110, 201260
Slice: A
Site Area (Ha): 2.5
Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



252800

253000

253200

253400



Ordnance Survey Plan

Published 1970

Source map scale - 1:1,250

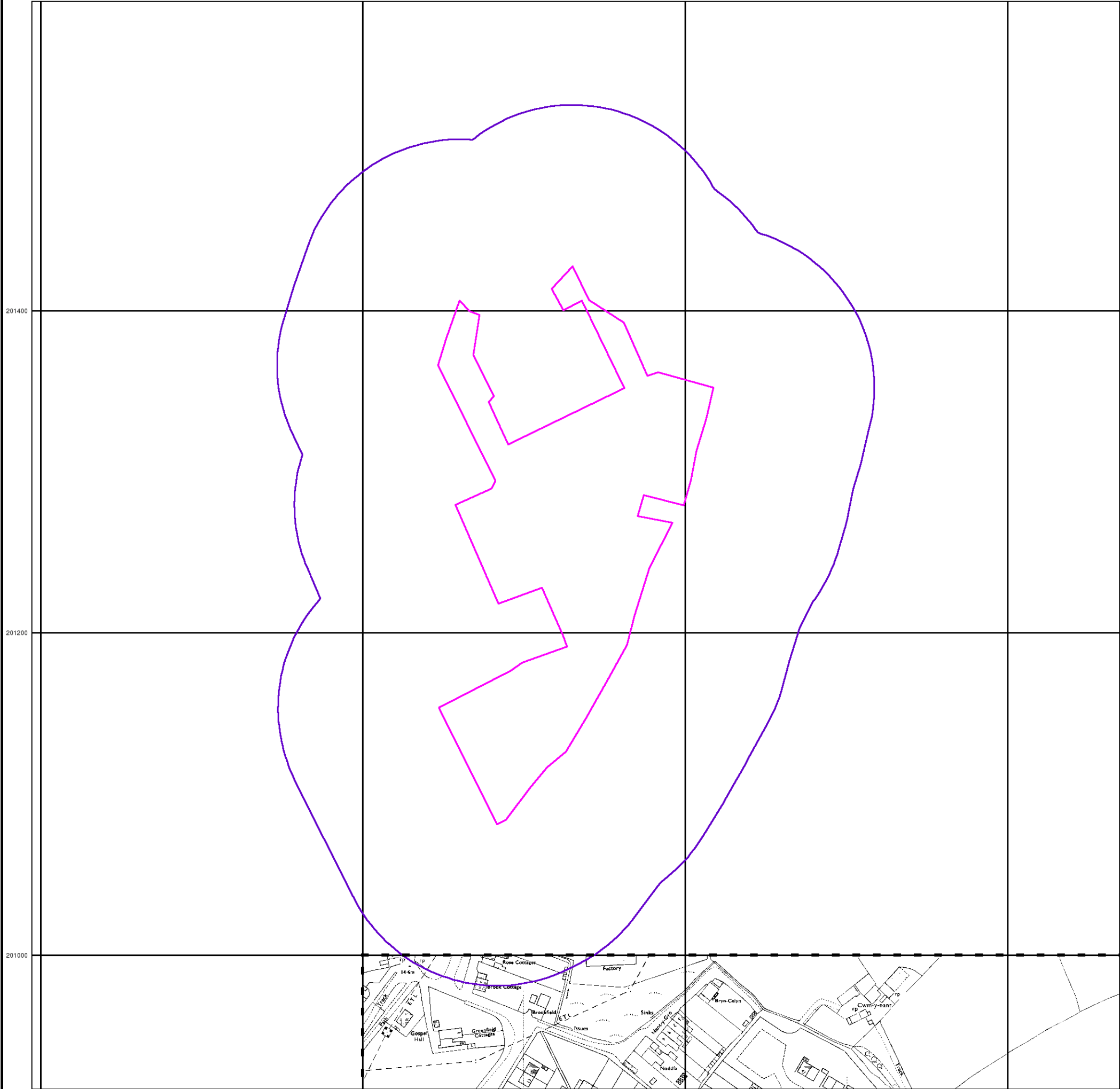
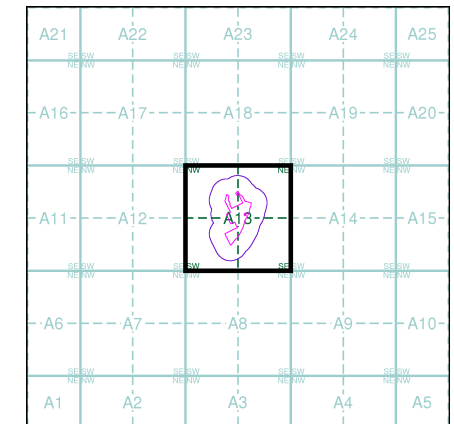
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)



SN5300NW
1970
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



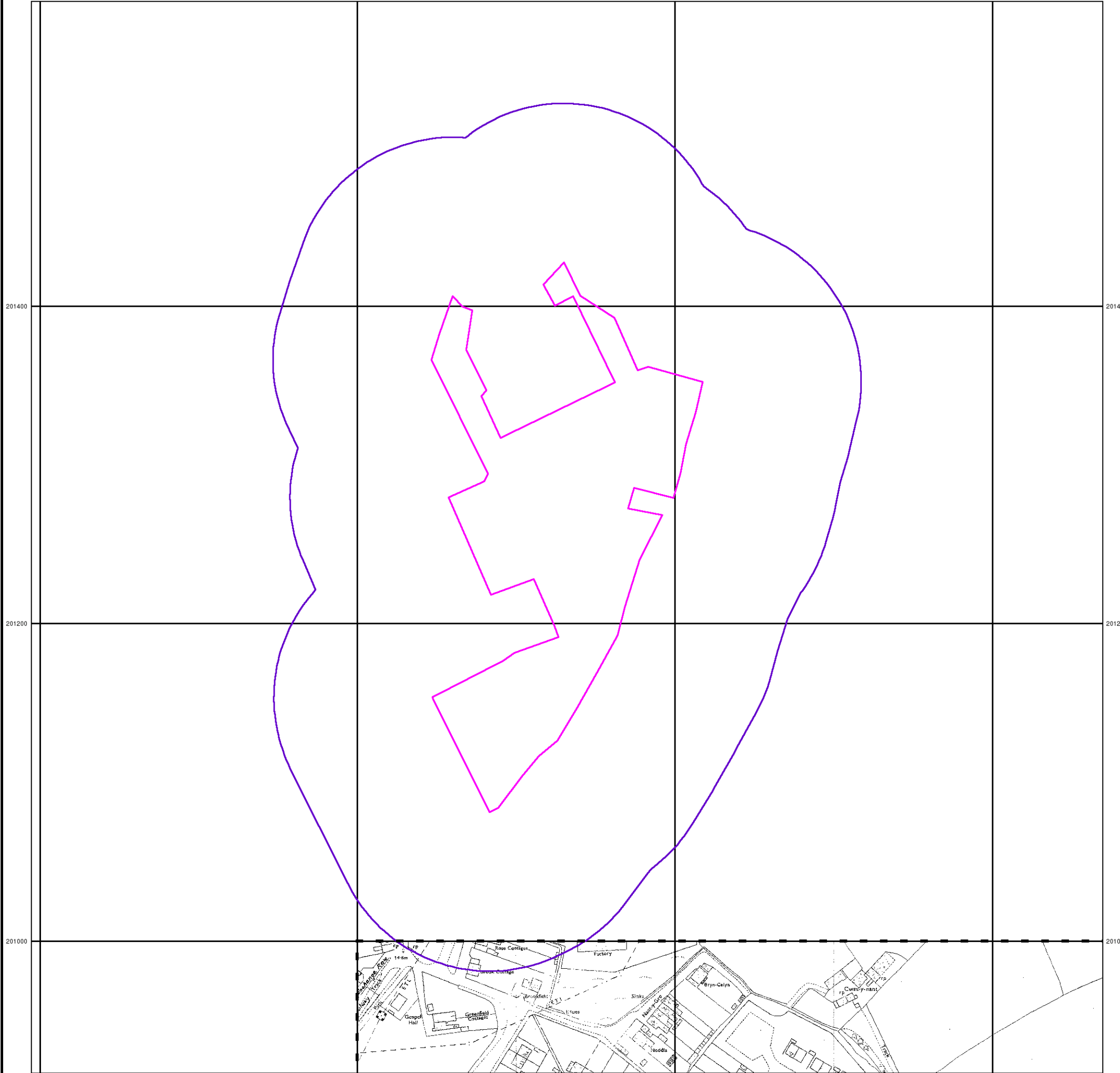
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

252800

253000

253200

253400



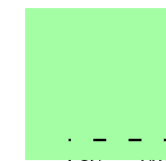
Supply of Unpublished Survey Information

Published 1973

Source map scale - 1:1,250

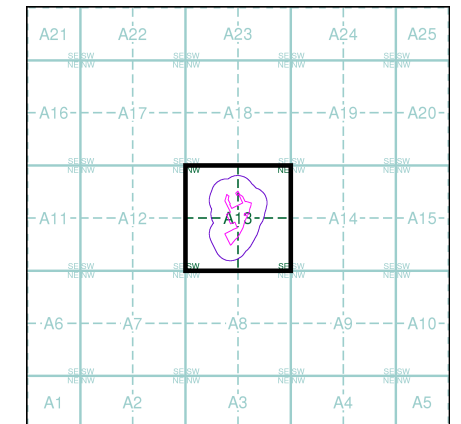
SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment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

Map Name(s) and Date(s)



SN5300NW
1973
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

252800

253000

253200

253400

Intégral Géotechnique

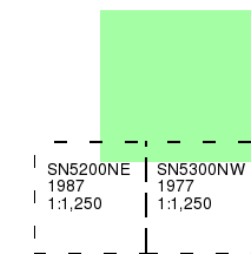
Additional SIMs

Published 1977 - 1987

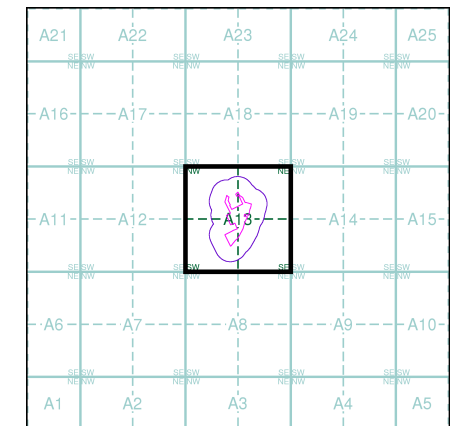
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

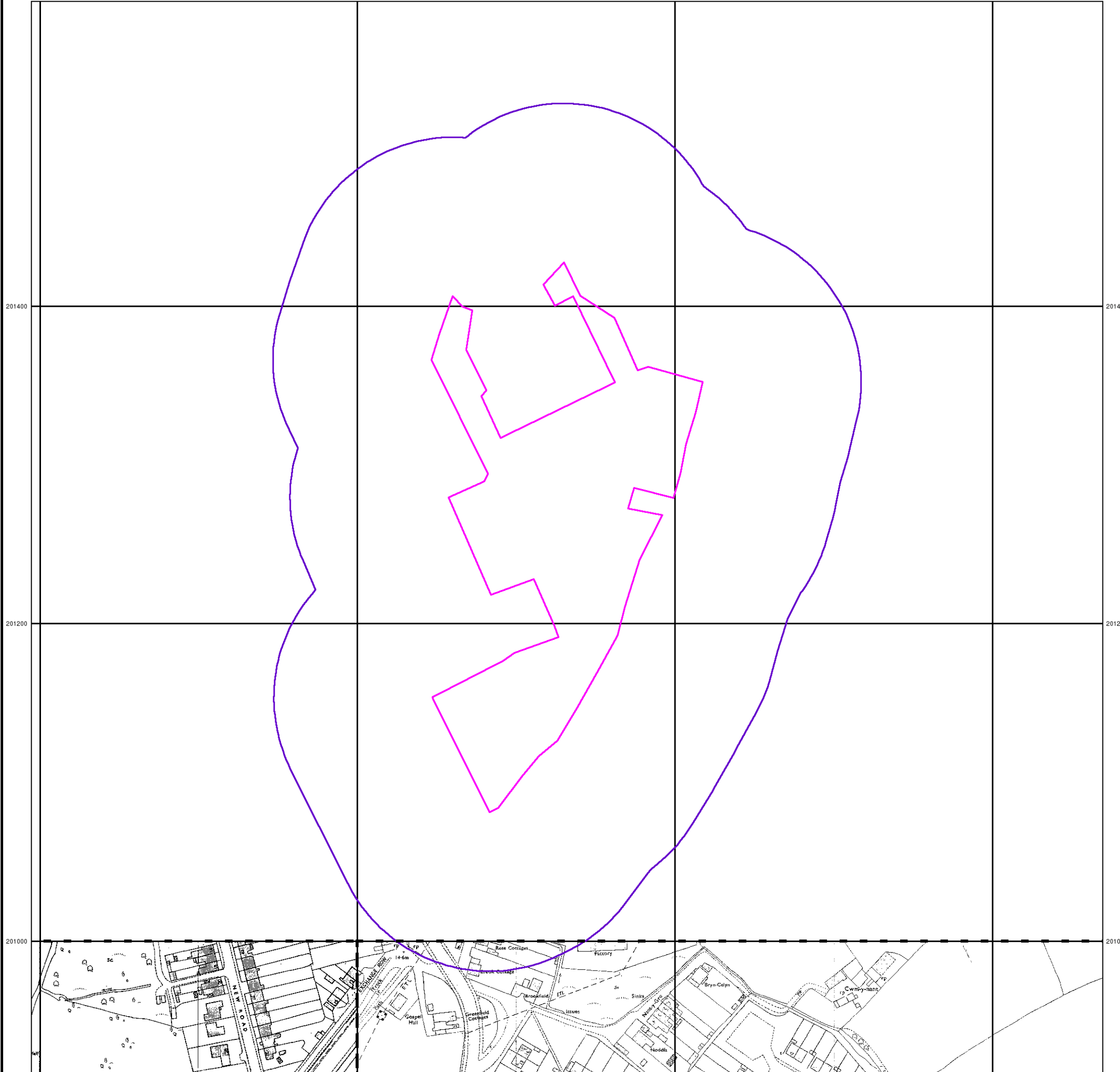
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

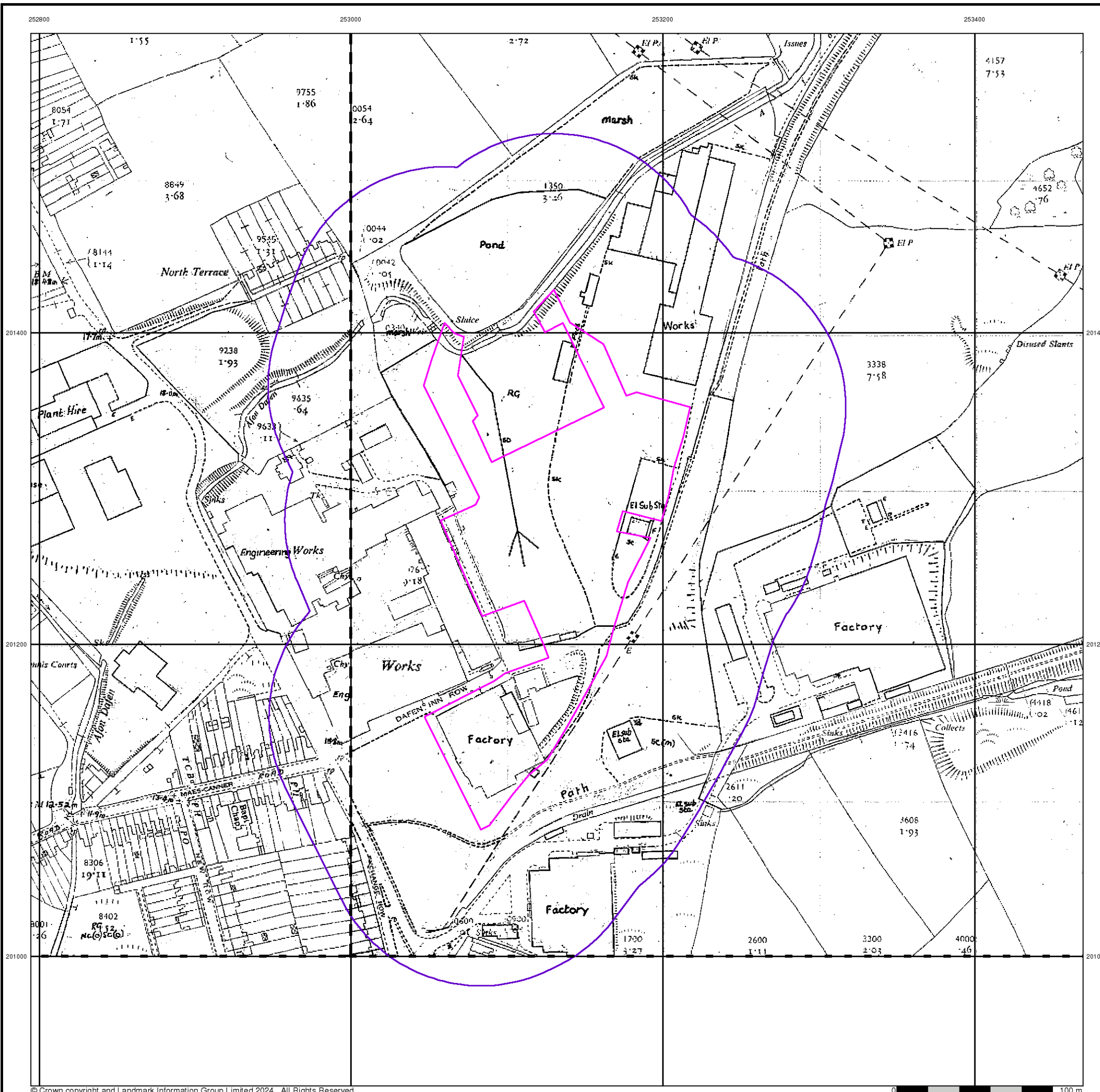
Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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





Intégral Géotechnique

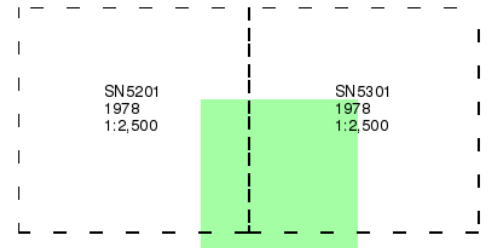
Additional SIMs

Published 1978

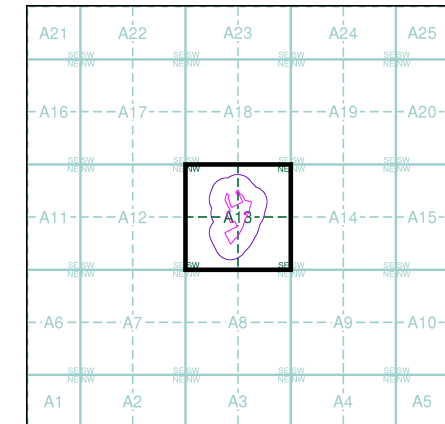
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

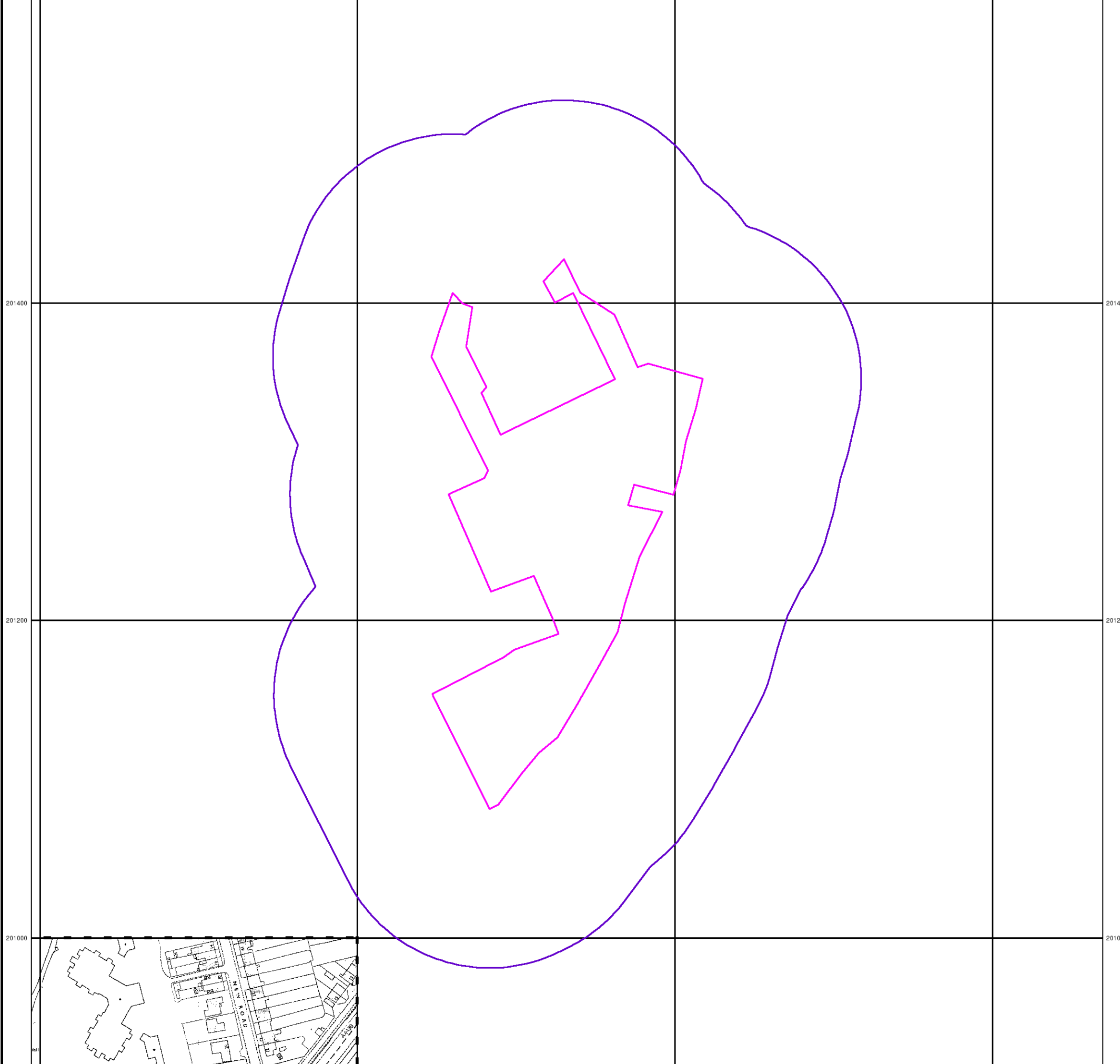
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

252800

253000

253200

253400



© Crown copyright and Landmark Information Group Limited 2024. All Rights Reserved.

0 100 m



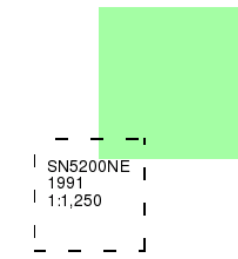
Additional SIMs

Published 1991

Source map scale - 1:1,250

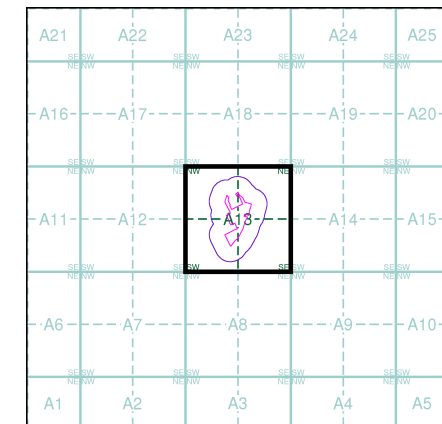
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



SN5200NE
1991
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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

252800

253000

253200

253400



Large-Scale National Grid Data

Published 1993

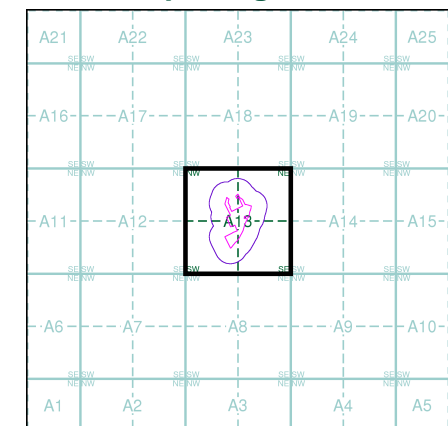
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

BN5201NE	BN5301NW
1993	1993
1:1,250	1:1,250
BN5201SE	BN5301SW
1993	1993
1:1,250	1:1,250
BN5200NE	BN5300NW
1993	1993
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

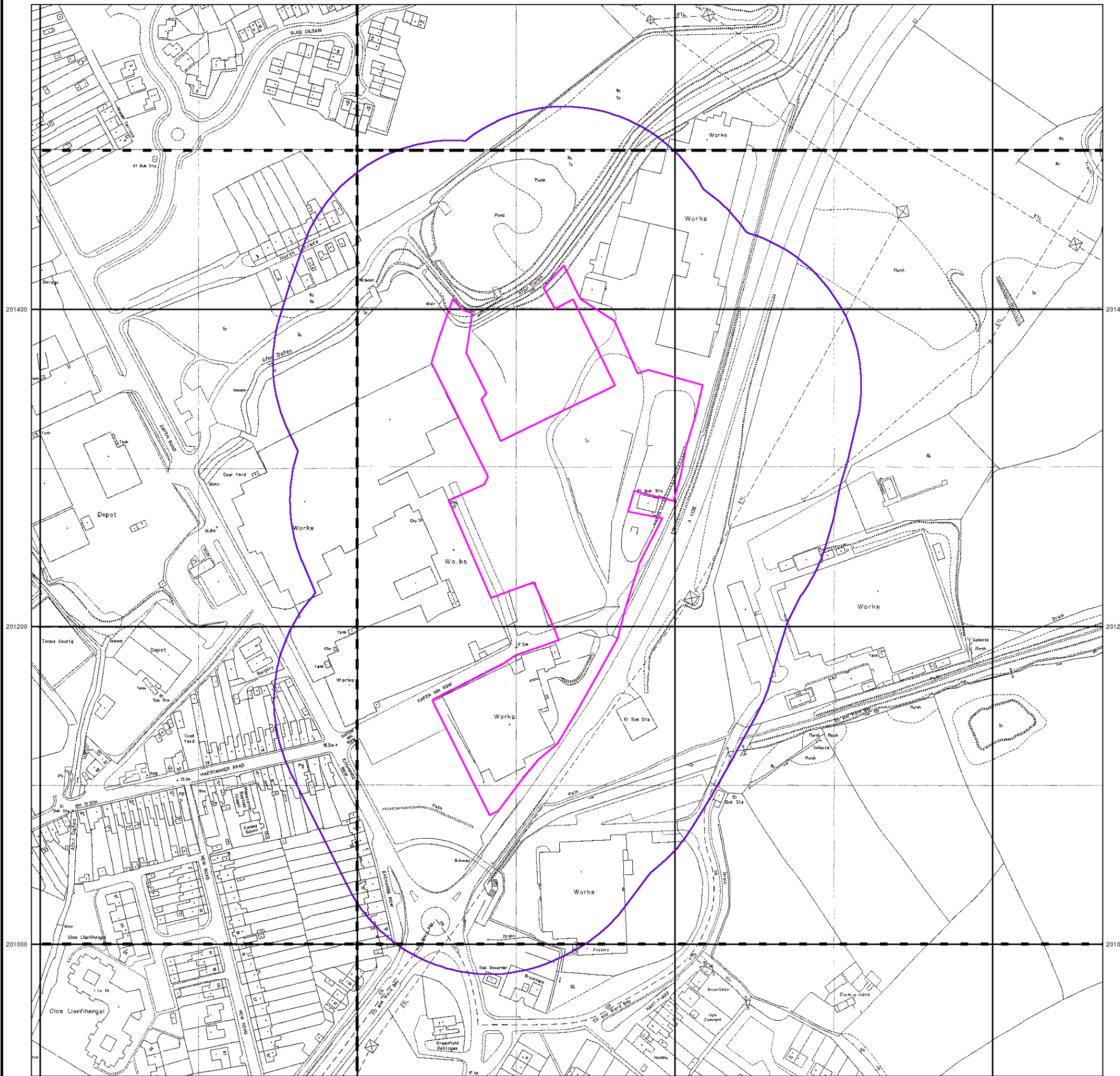
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



252800

253000

253200

253400



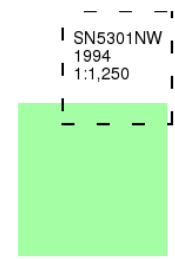
Large-Scale National Grid Data

Published 1994

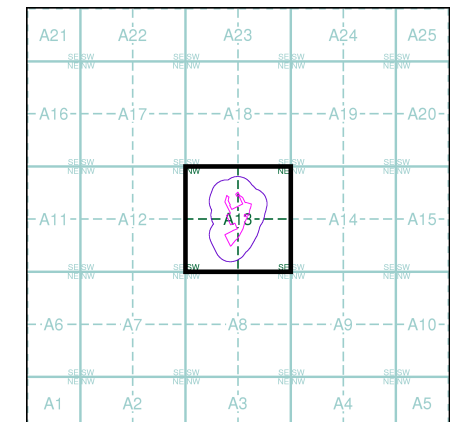
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 346449928_1_1
Customer Ref: 14316/LP
National Grid Reference: 253110, 201260
Slice: A
Site Area (Ha): 2.5
Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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

201400
201200
201000

201400
201200
201000

252800

253000

253200

253400



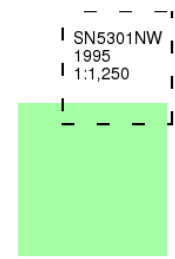
Large-Scale National Grid Data

Published 1995

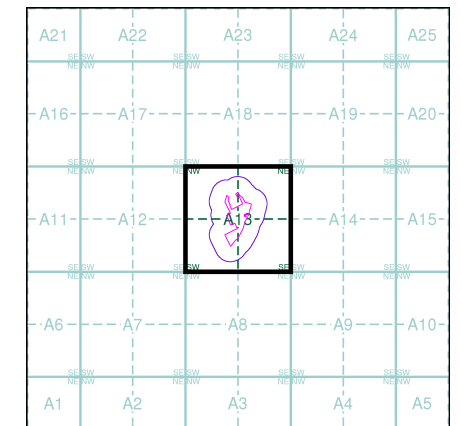
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 346449928_1_1
Customer Ref: 14316/LP
National Grid Reference: 253110, 201260
Slice: A
Site Area (Ha): 2.5
Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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

201400

201400

201200

201200

201000

201000

252800

253000

253200

253400



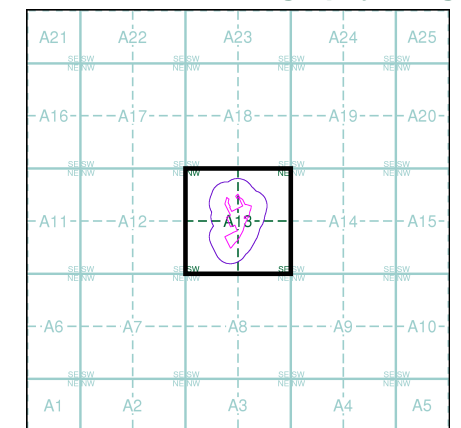
Historical Aerial Photography

Published 2001

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



Historical Aerial Photography - Segment A13



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 100

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

346449928_1_1

Customer Reference:

14316/LP

National Grid Reference:

253110, 201260

Slice:

A

Site Area (Ha):

2.5

Search Buffer (m):

1000

Site Details:

Dyfed Steel

Dafen

Llanelli

SA14 8NW

Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

Report Section and Details	Page Number
Summary	-
<p>The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.</p> <p>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).</p>	
Mining and Natural Cavities Data	1
<p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.</p> <p>Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.</p>	
Historical Land Use Information (1:2,500)	18
<p>The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.</p> <p>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.</p>	
Historical Land Use Information (1:10,000)	20
<p>The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.</p> <p>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.</p>	
Ground Stability Data (1:50,000)	26
<p>The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.</p>	
Historical Map List	28
<p>The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.</p>	
Data Currency	29
Data Suppliers	30
Useful Contacts	31

Copyright Notice

© Landmark Information Group Limited 2024. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

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

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		2	9	25
Coal Mining Affected Areas	pg 7	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 7	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas	pg 7	22	9	22	29
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 18	2	2	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 18	3	2	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 18	4	3	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 19		3	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts	pg 20			1	3
Disturbed Ground					
General Quarrying	pg 20			4	4
Heap, unknown constituents	pg 20	1			6
Mineral Railway	pg 20		1	1	8
Mining & quarrying general	pg 21			1	
Mining of coal & lignite	pg 21		3	4	14
Quarrying of sand & clay, operation of sand & gravel pits	pg 22				2
Former Marshes	pg 22				1
Potentially Infilled Land (Non-Water)	pg 22		3	10	20
Potentially Infilled Land (Water)	pg 24	1	2	6	15
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 27	Yes		n/a	n/a
Salt Mining Related Features					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Colliery Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100303 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	180	1	253394 201383
2	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Bryn-Gwyn Pit Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101443 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A13NW (W)	242	1	252809 201321
3	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gelli Pit Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100286 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A13SE (E)	265	1	253431 201153
4	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Globe Row Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101461 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A12NE (NW)	304	1	252769 201494
5	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors-Fach Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100326 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	311	1	253197 200792
6	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Cwm-Y-Nant Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100307 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	367	1	253368 200846

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Ceiliogi Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100287 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	393	1	252893 200738
8	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100279 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	472	1	253618 201600
9	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Ceiliogi Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100338 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	473	1	253141 200612
9	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Ceiliogi Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100337 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	500	1	253157 200587
10	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100333 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	486	1	253553 201703
11	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Cil-Saig Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101436 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	543	1	253166 201969

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Colliery Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101435 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	581	1	252673 201839
13	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100298 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	627	1	253502 201932
14	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Waun-Wrla Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100288 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	637	1	252631 200634
15	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Cwm-Carn-Hywel Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100308 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SE (SE)	650	1	253448 200543
16	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gelli-Gele Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100334 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	660	1	253816 201628
17	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Gors Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101434 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	673	1	252581 201878

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p>BGS Recorded Mineral Sites</p> <p>Site Name: St. David Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100306 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	681	1	253897 201330
19	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100299 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	729	1	253633 201955
20	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Halfway Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100291 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	741	1	252924 200358
21	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100297 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	750	1	253613 202001
22	<p>BGS Recorded Mineral Sites</p> <p>Site Name: St. David'S Pit Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100285 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	780	1	253997 201346
23	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Halfway Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100324 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	791	1	253013 200294

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100275 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	812	1	253786 201931
25	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Glyngwernen Isaf Location: Glyngwernen, Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 547 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	836	1	253583 202130
26	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100276 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NE (NE)	902	1	253850 201994
27	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Prys Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100278 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	907	1	253990 201827
27	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Prys Pit Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100277 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	926	1	254025 201805
28	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Cae-Mabley Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100302 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	918	1	254028 200884

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101440 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	926	1	253792 202078
30	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pen-Y-Gaer-Uchaf Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 102252 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A11NE (W)	977	1	252084 201528
31	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101439 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NE (NE)	981	1	253817 202128
32	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Pwll-Bach Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100434 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17NW (NW)	988	1	252320 202060
33	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Llygad-Yr-Ych Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 100339 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grovesend Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	993	1	252293 200481
34	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Clyn-Gwernen Location: Llanelli, Carmarthenshire Source: British Geological Survey, National Geoscience Information Service Reference: 101438 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	999	1	253789 202178

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NW (SW)	0	2	253113 201263
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (SW)	0	3	253113 201263
	Non Coal Mining Areas of Great Britain No Hazard				
35	Potential Mining Areas Name: Llandafen Ceased Operation: 1900 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J.E. Burnell, The Llanerch, Llanelly.	A13SW (S)	0	4	253111 201187
36	Potential Mining Areas Name: Llandafen Ceased Operation: 1840 Commodity: Coal; Big; Four Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Roberts and Stewart, 28 Fisher Street, Swansea.	A13SW (S)	0	4	253111 201187
37	Potential Mining Areas Name: Llandafen (Dafen) Ceased Operation: 1841 Commodity: Coal; Nine Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: (i) Nevill, Druce and Co. Ltd., Copper Works, Llanelly. (ii) J.E. Burnell, The Llanerch, Llanelly.	A13SW (S)	0	4	253111 201187
38	Potential Mining Areas Name: Llandafen Ceased Operation: Not Supplied Commodity: Coal; Six Feet Reference: Not Supplied Alternate: Caedu Name/Mine: Custodian: W.J. Rees, Uplands, Llanelly.	A13SW (S)	0	4	253111 201187
39	Potential Mining Areas Name: Llandafen Ceased Operation: 1833 Commodity: Coal; Six Feet Reference: Not Supplied Alternate: Caedu Name/Mine: Custodian: New Cefncaeau Colliery Co., Llwynhendy, Llanelly.	A13SW (S)	0	4	253111 201187
40	Potential Mining Areas Name: Gelly Ceased Operation: 1863 Commodity: Coal; Gelly Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: (i) J.E. Burnell, The Llanerch, Llanelly. (ii) W.J. Rees, Uplands, Llanelly.	A13NE (E)	0	4	253180 201262
41	Potential Mining Areas Name: Gelly Ceased Operation: 1870 Commodity: Coal; Great Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Stepney Estate Office, Bridge Street, Llanelly.	A13NE (E)	0	4	253180 201262

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	<p>Potential Mining Areas</p> <p>Name: Bryngwyn Ceased Operation: 1876 Commodity: Coal; Upper Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NW (SW)	0	4	253113 201263
43	<p>Potential Mining Areas</p> <p>Name: Llangennech Ceased Operation: 1882 Commodity: Coal; Six Feet Reference: 1420 Alternate: St. Davids Name/Mine: Custodian: Not Supplied</p>	A13NE (E)	0	4	253180 201262
44	<p>Potential Mining Areas</p> <p>Name: Dafen (District) Ceased Operation: 1911 Commodity: Coal; Four Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: W.F. Clark and Son, Aldridge, Walsall, Staffs.</p>	A13NW (SW)	0	4	253113 201263
45	<p>Potential Mining Areas</p> <p>Name: Gors (Gorse) Ceased Operation: 1911 Commodity: Coal; Four Feet Reference: 5727 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A13NW (SW)	0	4	253113 201263
46	<p>Potential Mining Areas</p> <p>Name: Gors and Bryngwyn Ceased Operation: 1894 Commodity: Coal; Four Feet; Fiery; Golden; Bushy Reference: 3141 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A13NW (SW)	0	4	253113 201263
47	<p>Potential Mining Areas</p> <p>Name: Gors and Bryngwyn Ceased Operation: 1868 Commodity: Coal; Fiery Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NW (SW)	0	4	253113 201263
48	<p>Potential Mining Areas</p> <p>Name: Gorse (Gors) Ceased Operation: 1908 Commodity: Coal; Gelli; Little; Six Feet Reference: 5278 Alternate: Gellycele Name/Mine: Custodian: Not Supplied</p>	A13NE (E)	0	4	253180 201262
49	<p>Potential Mining Areas</p> <p>Name: Gellycele Ceased Operation: 1880 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Stepney Estate Office, Bridge Street, Llanelly.</p>	A13NE (E)	0	4	253180 201262
50	<p>Potential Mining Areas</p> <p>Name: Box Ceased Operation: Not Supplied Commodity: Coal; Seams unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13SW (S)	0	4	253111 201187

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	<p>Potential Mining Areas</p> <p>Name: Box Ceased Operation: 1856 Commodity: Coal; Four Feet Reference: Not Supplied Alternate: Bryngwyn Name/Mine: Alternate: Dafen Name/Mine: Alternate: Maes-Canner Name/Mine: Alternate: Pencilogi Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NW (SW)	0	4	253113 201263
52	<p>Potential Mining Areas</p> <p>Name: St. David's Ceased Operation: 1841 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NE (E)	0	4	253180 201262
53	<p>Potential Mining Areas</p> <p>Name: St. David's Ceased Operation: 1881 Commodity: Coal; Llanelly Big Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Roberts and Stewart, 28 Fisher Street, Swansea.</p>	A13NE (E)	0	4	253180 201262
54	<p>Potential Mining Areas</p> <p>Name: Pen-y-Gaer Ceased Operation: Not Supplied Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NW (SW)	0	4	253113 201263
55	<p>Potential Mining Areas</p> <p>Name: Llandafen Ceased Operation: Not Supplied Commodity: Coal; Nine Feet Reference: 11641 Alternate: Caedu Name/Mine: Custodian: Not Supplied</p>	A13SW (S)	0	4	253111 201187
56	<p>Potential Mining Areas</p> <p>Name: Cae Ceased Operation: 1892 Commodity: Coal; Fiery Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J. Davies and Son, The Pines, Pembrey.</p>	A13SW (S)	0	4	253111 201187
57	<p>Potential Mining Areas</p> <p>Name: Bryncoch Ceased Operation: 1909 Commodity: Coal; Gelly Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: W.J. Rees, Uplands, Llanelly.</p>	A13SE (SE)	17	4	253179 201185
58	<p>Potential Mining Areas</p> <p>Name: Gelly New Ceased Operation: 1912 Commodity: Coal; Gelly Reference: 6105 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A13SE (SE)	17	4	253179 201185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	<p>Potential Mining Areas</p> <p>Name: Cwm-y-Nant Ceased Operation: 1899 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J.E. Burnell, The Llanerch, Llanelly.</p>	A13SE (SE)	17	4	253179 201185
60	<p>Potential Mining Areas</p> <p>Name: Glyn Gwernen Ceased Operation: 1918 Commodity: Coal; Golden; Bushy Reference: 6835 Alternate: Atlantic Name/Mine: Alternate: Gilsaig Name/Mine: Custodian: Not Supplied</p>	A13NW (N)	162	4	253120 201589
61	<p>Potential Mining Areas</p> <p>Name: Glynygors Ceased Operation: 1873 Commodity: Coal; Fiery; Rosy Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Ed. Daniel and Co., Worcester Chambers, Swansea.Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NW (N)	162	4	253120 201589
62	<p>Potential Mining Areas</p> <p>Name: Glynygors Ceased Operation: 1874 Commodity: Coal; Rosy Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NW (N)	162	4	253120 201589
63	<p>Potential Mining Areas</p> <p>Name: Gorse Ceased Operation: 1869 Commodity: Coal; Bushy Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NW (N)	162	4	253120 201589
64	<p>Potential Mining Areas</p> <p>Name: Gorse Old Ceased Operation: 1854 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NW (N)	162	4	253120 201589
65	<p>Potential Mining Areas</p> <p>Name: Glynygors Ceased Operation: 1872 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A13NE (N)	170	4	253187 201588
66	<p>Potential Mining Areas</p> <p>Name: Bryngwyn Ceased Operation: 1928 Commodity: Coal; Four Feet Reference: 9712 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A12NE (W)	267	4	252778 201270
67	<p>Potential Mining Areas</p> <p>Name: Bryngwyn Mawr Ceased Operation: 1860 Commodity: Coal; Upper Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A12NE (W)	267	4	252778 201270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	<p>Potential Mining Areas</p> <p>Name: Bryngwyn Mawr Ceased Operation: Not Supplied Commodity: Coal; Four Feet Reference: Not Supplied Alternate: Griffiths Name/Mine: Custodian: J.E. Burnell, The Llanerch, Llanelly.</p>	A12NE (W)	267	4	252778 201270
69	<p>Potential Mining Areas</p> <p>Name: Dafen Ceased Operation: 1894 Commodity: Coal; Four Feet Reference: 3143 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A12NE (W)	267	4	252778 201270
70	<p>Potential Mining Areas</p> <p>Name: Llanelly Rural Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A12NE (W)	267	4	252778 201270
71	<p>Potential Mining Areas</p> <p>Name: Box Ceased Operation: 1854 Commodity: Coal; Nine Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A12SE (W)	272	4	252777 201194
72	<p>Potential Mining Areas</p> <p>Name: Dafen Ceased Operation: 1930 Commodity: Coal; Six Feet Reference: 10327 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A12SE (W)	272	4	252777 201194
73	<p>Potential Mining Areas</p> <p>Name: Llandafen (Dafen) Ceased Operation: 1840 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: (i) Ed. Daniel and Co., Worcester Chambers, Swansea. (ii) Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A8NW (S)	297	4	253102 200785
74	<p>Potential Mining Areas</p> <p>Name: Cefn Caeau New Ceased Operation: 1927 Commodity: Coal; Six Feet or Big Box Reference: 9265 Alternate: Cefn Caeau Old Name/Mine: Alternate: Llandafen Name/Mine: Custodian: Not Supplied</p>	A8NW (S)	297	4	253102 200785
75	<p>Potential Mining Areas</p> <p>Name: Cae Ceased Operation: 1894 Commodity: Coal; Great; Four Feet Reference: Not Supplied Alternate: Llandafen Name/Mine: Alternate: Llwyn Name/Mine: Alternate: Maesardafen Name/Mine: Custodian: A.G. Fleming, 3 Temple Buildings, Goat Street, Swansea.</p>	A8NW (S)	297	4	253102 200785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	<p>Potential Mining Areas</p> <p>Name: Cefn Caeau New Ceased Operation: 1925 Commodity: Coal; Big; Four Feet Reference: 11640 Alternate: Box Name/Mine: Alternate: Cae Name/Mine: Alternate: Cefn Caeau Old Name/Mine: Alternate: Llwyn Name/Mine: Alternate: Maesardafen Name/Mine: Custodian: Not Supplied</p>	A8NW (S)	297	4	253102 200785
77	<p>Potential Mining Areas</p> <p>Name: Dafen Ceased Operation: 1894 Commodity: Coal; Golden Reference: 3287 Alternate: No. 2 Name/Mine: Custodian: Not Supplied</p>	A17SE (NW)	335	4	252785 201596
78	<p>Potential Mining Areas</p> <p>Name: Gelly Ceased Operation: 1896 Commodity: Coal; Little Reference: 3564 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A14SW (E)	368	4	253583 201253
79	<p>Potential Mining Areas</p> <p>Name: Gelly Ceased Operation: 1894 Commodity: Coal; Probably Gelly Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J. Davies and Son, Cowell House, Cowell Street, Llanelly.</p>	A14SW (E)	368	4	253583 201253
80	<p>Potential Mining Areas</p> <p>Name: Gelly Crop Ceased Operation: 1894 Commodity: Coal; Gelly Little Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: W.J. Rees, Uplands, Llanelly.</p>	A14SW (E)	368	4	253583 201253
81	<p>Potential Mining Areas</p> <p>Name: Robert's Ceased Operation: 1824 Commodity: Coal; Gelly Little Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A14SW (E)	368	4	253583 201253
82	<p>Potential Mining Areas</p> <p>Name: St. David's Ceased Operation: 1863 Commodity: Coal; Golden; Fiery Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J. Davies and Son, Cowell House, Cowell Street, Llanelly.</p>	A14SW (E)	368	4	253583 201253

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	<p>Potential Mining Areas</p> <p>Name: Penprys Ceased Operation: 1909 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Brynshaffre Name/Mine: Alternate: Cornhwrdd Name/Mine: Alternate: Gellycele Name/Mine: Alternate: Glanmwrwg Name/Mine: Alternate: Glyn Gwernon Name/Mine: Alternate: St. Davids Name/Mine: Custodian: J. Davies and Son, The Pines, Pembrey.</p>	A14SW (E)	368	4	253583 201253
84	<p>Potential Mining Areas</p> <p>Name: Llwyn Ceased Operation: 1908 Commodity: Coal; Four Feet Reference: 5244 Alternate: Cae Name/Mine: Alternate: Llandafen Name/Mine: Alternate: Llwyn Upper Name/Mine: Alternate: Maesardafen Name/Mine: Custodian: Not Supplied</p>	A7NE (SW)	428	4	252768 200792
85	<p>Potential Mining Areas</p> <p>Name: Watkey's "D" Ceased Operation: 1896 Commodity: Coal; Glyngwernen or Four Feet Reference: 3514 Alternate: Glyn Name/Mine: Alternate: Penprys Name/Mine: Custodian: Not Supplied</p>	A14NW (NE)	436	4	253590 201579
86	<p>Potential Mining Areas</p> <p>Name: Penprys Ceased Operation: 1908 Commodity: Coal; Big Reference: 5247 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A14NW (NE)	436	4	253590 201579
87	<p>Potential Mining Areas</p> <p>Name: Penprys Ceased Operation: 1896 Commodity: Coal; Four Feet Reference: 3527 Alternate: Brynshaffre Name/Mine: Alternate: Cornhwrdd Name/Mine: Alternate: D Pit Name/Mine: Custodian: Not Supplied</p>	A14NW (NE)	436	4	253590 201579
88	<p>Potential Mining Areas</p> <p>Name: Atlantic Ceased Operation: 1895 Commodity: Coal; Bushy Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: (i) J.E. Burnell, The Llanerch, Llanelly. (ii) J. Davies and Son, Cowell House, Cowell Street, Llanelly.</p>	A18NW (N)	564	4	253128 201991

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Potential Mining Areas Name: Llanlliedy Ceased Operation: 1862 Commodity: Coal; Bushy Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.	A18NW (N)	564	4	253128 201991
90	Potential Mining Areas Name: St. Patrick Ceased Operation: 1896 Commodity: Coal; Big Reference: 3581 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A18NE (N)	567	4	253196 201990
91	Potential Mining Areas Name: Bryn Ceased Operation: 1922 Commodity: Coal; Little Gelly Reference: 7587 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A9NW (SE)	569	4	253572 200775
92	Potential Mining Areas Name: Pen-y-Gaer Ceased Operation: 1930 Commodity: Coal; Four Feet Reference: 10048 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12NW (W)	669	4	252376 201279
93	Potential Mining Areas Name: Pen-y-Gaer Ceased Operation: 1900 Commodity: Coal; Four Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J.E. Burnell, The Llanerch, Llanelly.	A12NW (W)	669	4	252376 201279
94	Potential Mining Areas Name: Cefn Caeau Ceased Operation: Not Supplied Commodity: Coal; Probably Nine Feet Reference: Not Supplied Alternate: Crop Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.	A8SW (S)	699	4	253094 200383
95	Potential Mining Areas Name: Maesardafen Ceased Operation: 1888 Commodity: Coal; Four Feet Reference: 2167 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A8SW (S)	699	4	253094 200383
96	Potential Mining Areas Name: Heol Ceased Operation: Not Supplied Commodity: Coal; Six Feet or Big Box Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: New Cefncaeau Colliery Co., Llwynhendy, Llanelly.	A8SE (S)	705	4	253161 200381
97	Potential Mining Areas Name: Caemynydd Ceased Operation: 1873 Commodity: Coal; Gelly Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Stepney Estate Office, Bridge Street, Llanelly.	A8SE (S)	705	4	253161 200381

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	<p>Potential Mining Areas</p> <p>Name: Rheol Ceased Operation: 1901 Commodity: Coal; Llanelly Six Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Roberts and Stewart, 28 Fisher Street, Swansea.</p>	A8SE (S)	705	4	253161 200381
99	<p>Potential Mining Areas</p> <p>Name: Jones Ceased Operation: Not Supplied Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J. Davies and Son, Cowell House, Cowell Street, Llanelly.</p>	A19NW (NE)	725	4	253598 201981
100	<p>Potential Mining Areas</p> <p>Name: Glyncoed Ceased Operation: 1924 Commodity: Coal; Bushy; Fiery; Golden Reference: 7883 Alternate: Porth Dafen Name/Mine: Custodian: Not Supplied</p>	A19NW (NE)	725	4	253598 201981
101	<p>Potential Mining Areas</p> <p>Name: Llwyn Ceased Operation: 1916 Commodity: Coal; Four Feet; Little Reference: 6630 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A7SE (S)	764	4	252759 200390
102	<p>Potential Mining Areas</p> <p>Name: St. George's Ceased Operation: 1901-1906 Commodity: Coal; Bushy; Four Feet Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: W.F. Clark and Son, Aldridge, Walsall, Staffs.</p>	A7SE (S)	764	4	252759 200390
103	<p>Potential Mining Areas</p> <p>Name: Clement Ceased Operation: Not Supplied Commodity: Coal; Upper Reference: Not Supplied Alternate: Park Name/Mine: Custodian: J.E. Burnell, The Llanerch, Llanelly.</p>	A7NW (SW)	768	4	252366 200801
104	<p>Potential Mining Areas</p> <p>Name: Bryn Ceased Operation: 1841 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: J.E. Burnell, The Llanerch, Llanelly.</p>	A14SE (E)	788	4	253983 201168
105	<p>Potential Mining Areas</p> <p>Name: Bryn (Or Gelly) Ceased Operation: 1909 Commodity: Coal; Gelly Reference: 5463 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A14SE (E)	788	4	253983 201168
106	<p>Potential Mining Areas</p> <p>Name: Gelly-Fach Ceased Operation: 1905 Commodity: Coal; Upper Gelly; Gellygille Reference: 4806 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A14SE (E)	788	4	253983 201168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	<p>Potential Mining Areas</p> <p>Name: Gelly-Hwyad Ceased Operation: 1824 Commodity: Coal; Gelly Little Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: W.J. Rees, Uplands, Llanelly.</p>	A14SE (E)	788	4	253983 201168
108	<p>Potential Mining Areas</p> <p>Name: Penprys Ceased Operation: 1845 Commodity: Coal; Seam unnamed Reference: R78 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A14NE (E)	805	4	253992 201570
109	<p>Potential Mining Areas</p> <p>Name: Pwll Spite Ceased Operation: 1865 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: W.J. Rees, Uplands, Llanelly.</p>	A9SW (SE)	856	4	253564 200372
110	<p>Potential Mining Areas</p> <p>Name: Bryn Ceased Operation: 1841 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A9NE (SE)	917	4	253974 200766
111	<p>Potential Mining Areas</p> <p>Name: Gelly-Hwyad Ceased Operation: Not Supplied Commodity: Coal; Little Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A9NE (SE)	917	4	253974 200766
112	<p>Potential Mining Areas</p> <p>Name: Pen-y-Bryn Ceased Operation: 1928 Commodity: Coal; Gelly Fach; Gelly Fawr Reference: 9714 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A9NE (SE)	917	4	253974 200766
113	<p>Potential Mining Areas</p> <p>Name: Glyn Gwernen Ceased Operation: 1930 Commodity: Coal and Fireclay; Golden Reference: 11043 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A23SE (N)	968	4	253205 202392
114	<p>Potential Mining Areas</p> <p>Name: Llwyn Ceased Operation: 1896 Commodity: Coal; Great Reference: 3526 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A7SW (SW)	997	4	252357 200398
115	<p>Potential Mining Areas</p> <p>Name: Glyngoed Ceased Operation: 1907 Commodity: Coal; Four Feet Reference: 5100 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied</p>	A19NE (NE)	1000	4	254000 201972

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	<p>Potential Mining Areas</p> <p>Name: Cornhwrdd Ceased Operation: Not Supplied Commodity: Coal; Four Feet Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Nevill, Druce and Co. Ltd., Copper Works, Llanelly.</p>	A19NE (NE)	1000	4	254000 201972

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	Extractive Industries or Potential Excavations from 1855-1909 Use: Reservoir First Map Published 1880 Date: Last Map Published Not Applicable Date:	A13NW (N)	0	-	253074 201397
118	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1880 Date: Last Map Published Not Applicable Date:	A13SW (S)	0	-	253127 201188
119	Extractive Industries or Potential Excavations from 1855-1909 Use: Gasometer First Map Published 1880 Date: Last Map Published Not Applicable Date:	A13SW (W)	33	-	253040 201237
120	Extractive Industries or Potential Excavations from 1855-1909 Use: Railway Embankment First Map Published 1880 Date: Last Map Published Not Applicable Date:	A13SE (SE)	87	-	253224 201123
121	Extractive Industries or Potential Excavations from 1893-1915 Use: Railway Cutting First Map Published 1907 Date: Last Map Published Not Applicable Date:	A13SE (SE)	0	-	253186 201232
122	Extractive Industries or Potential Excavations from 1893-1915 Use: Reservoir First Map Published 1907 Date: Last Map Published Not Applicable Date:	A13NW (N)	0	-	253068 201392
123	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1907 Date: Last Map Published Not Applicable Date:	A13SE (S)	0	-	253138 201178
124	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Industrial Water Feature First Map Published 1907 Date: Last Map Published Not Applicable Date:	A13NW (NW)	32	-	253016 201358
125	Extractive Industries or Potential Excavations from 1893-1915 Use: Railway Embankment First Map Published 1907 Date: Last Map Published Not Applicable Date:	A13SE (SE)	84	-	253222 201125
126	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1916 Date: Last Map Published Not Applicable Date:	A13SE (SE)	0	-	253164 201236
127	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1916 Date: Last Map Published Not Applicable Date:	A13SW (S)	0	-	253103 201175

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	Extractive Industries or Potential Excavations from 1906-1937 Use: Railway Cutting First Map Published 1916 Date: Last Map Published Not Applicable Date:	A13SE (SE)	0	-	253156 201203
129	Extractive Industries or Potential Excavations from 1906-1937 Use: Reservoir First Map Published 1916 Date: Last Map Published Not Applicable Date:	A13NW (N)	0	-	253071 201392
130	Extractive Industries or Potential Excavations from 1906-1937 Use: Railway Cutting First Map Published 1916 Date: Last Map Published Not Applicable Date:	A13SW (S)	1	-	253113 201114
131	Extractive Industries or Potential Excavations from 1906-1937 Use: Railway Cutting First Map Published 1916 Date: Last Map Published Not Applicable Date:	A13SE (E)	4	-	253186 201234
132	Extractive Industries or Potential Excavations from 1906-1937 Use: Railway Embankment First Map Published 1916 Date: Last Map Published Not Applicable Date:	A13SE (SE)	92	-	253228 201119
133	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Pit First Map Published 1959 Date: Last Map Published N/A Date:	A13SE (SE)	28	-	253188 201180
134	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Pit First Map Published 1959 Date: Last Map Published N/A Date:	A13SE (SE)	34	-	253197 201190
135	Extractive Industries or Potential Excavations from 1950-1980 Use: Brick Works First Map Published 1954 Date: Last Map Published N/A Date:	A13SW (SW)	91	-	252953 201174

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Air Shafts Use: Not Supplied Date of Mapping: 1891	A12NE (NW)	302	-	252771 201495
137	Air Shafts Use: Not Supplied Date of Mapping: 1891	A17SE (NW)	671	-	252585 201880
138	Air Shafts Use: Not Supplied Date of Mapping: 1965	A18NE (N)	744	-	253380 202128
139	Air Shafts Use: Not Supplied Date of Mapping: 1891	A19SE (NE)	954	-	254034 201843
140	General Quarrying Use: Not Supplied Date of Mapping: 1891 - 1953	A8NE (S)	316	-	253206 200790
141	General Quarrying Use: Not Supplied Date of Mapping: 1891	A19SW (NE)	443	-	253498 201694
142	General Quarrying Use: Not Supplied Date of Mapping: 1891	A8NE (S)	468	-	253145 200618
142	General Quarrying Use: Not Supplied Date of Mapping: 1891	A8NE (S)	501	-	253163 200587
143	General Quarrying Use: Not Supplied Date of Mapping: 1921 - 1953	A19SW (NE)	493	-	253563 201704
144	General Quarrying Use: Not Supplied Date of Mapping: 1891	A8SW (S)	517	-	253121 200566
145	General Quarrying Use: Not Supplied Date of Mapping: 1953 - 1992	A12SW (SW)	763	-	252320 200923
146	General Quarrying Use: Not Supplied Date of Mapping: 1891	A8SW (S)	792	-	253017 200292
147	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1891 - 1921	A13SE (S)	0	-	253133 201186
148	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1891	A18SE (N)	515	-	253292 201916
149	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1908	A12NE (W)	553	-	252498 201430
150	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1891	A19NW (NE)	725	-	253479 202062
151	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1908	A19SE (NE)	856	-	253983 201733
152	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1908	A17NW (NW)	902	-	252387 202007
153	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1953 - 1965	A2NE (S)	954	-	252708 200203
154	Mineral Railway Use: Not Supplied Date of Mapping: 1891 - 1908	A13SW (SW)	65	-	252958 201181
155	Mineral Railway Use: Not Supplied Date of Mapping: 1891	A17SE (NW)	375	-	252740 201601

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	Mineral Railway Use: Not Supplied Date of Mapping: 1891	A19SW (NE)	640	-	253798 201622
157	Mineral Railway Use: Not Supplied Date of Mapping: 1891	A14NE (E)	783	-	253997 201282
158	Mineral Railway Use: Not Supplied Date of Mapping: 1908 - 1921	A19SE (NE)	793	-	253878 201790
159	Mineral Railway Use: Not Supplied Date of Mapping: 1921	A19SE (NE)	858	-	253919 201845
160	Mineral Railway Use: Not Supplied Date of Mapping: 1891	A7SE (SW)	858	-	252656 200336
161	Mineral Railway Use: Not Supplied Date of Mapping: 1908 - 1921	A19SE (NE)	919	-	253984 201858
162	Mineral Railway Use: Not Supplied Date of Mapping: 1908	A19SE (NE)	988	-	254056 201873
163	Mineral Railway Use: Not Supplied Date of Mapping: 1908	A19SE (NE)	999	-	254070 201871
164	Mining & quarrying general Use: Not Supplied Date of Mapping: 1908	A8NW (S)	432	-	253056 200651
165	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891 - 1908	A13SW (W)	118	-	252940 201202
166	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1908 - 1921	A13NE (NE)	186	-	253397 201400
167	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A13SE (E)	206	-	253367 201160
168	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A8NW (S)	355	-	252950 200753
169	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921 - 1953	A8NE (SE)	379	-	253381 200843
170	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A17SE (NW)	459	-	252703 201694
171	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A19SW (NE)	470	-	253618 201597
172	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A18NE (N)	548	-	253183 201972
173	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891 - 1908	A14NW (E)	587	-	253804 201343
174	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A7NE (SW)	629	-	252638 200638
175	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1908	A19NW (NE)	641	-	253505 201946
176	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921	A8SE (SE)	655	-	253455 200542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A8SW (S)	690	-	252880 200422
178	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1908	A19NW (NE)	740	-	253644 201960
179	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A19NW (NE)	756	-	253618 202004
180	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A19NW (NE)	818	-	253790 201936
181	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A19NW (NE)	848	-	253767 201997
182	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A19SE (NE)	889	-	253986 201798
183	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1908	A9NE (E)	925	-	254034 200883
184	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921	A19NW (NE)	977	-	253767 202168
185	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A17NW (NW)	982	-	252329 202062
186	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1891	A19SE (NE)	650	-	253810 201617
187	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1891	A11NE (W)	975	-	252087 201532
188	Former Marshes Use: Former Marsh Date of Mapping: 1965	A7NE (SW)	637	-	252667 200600
189	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (W)	118	-	252940 201202
190	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NE (NE)	186	-	253397 201400
191	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SE (E)	206	-	253367 201160
192	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NE (NW)	302	-	252771 201495
193	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (S)	316	-	253206 200790
194	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	355	-	252950 200753
195	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (SE)	379	-	253381 200843
196	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NW (S)	432	-	253056 200651
197	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	443	-	253498 201694

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	459	-	252703 201694
199	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (S)	468	-	253145 200618
200	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	470	-	253618 201597
201	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	493	-	253563 201704
202	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (S)	501	-	253163 200587
203	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	517	-	253121 200566
204	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NE (N)	548	-	253183 201972
205	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NW (E)	587	-	253803 201341
206	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NE (SW)	629	-	252638 200638
207	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	641	-	253505 201946
208	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	650	-	253810 201617
209	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (SE)	655	-	253455 200542
210	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	671	-	252585 201880
211	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	690	-	252880 200422
212	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	740	-	253644 201960
213	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NE (N)	744	-	253380 202128
214	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	756	-	253618 202004
215	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	792	-	253017 200292
216	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	818	-	253790 201936
217	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	848	-	253767 201997
218	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	889	-	253986 201798

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
219	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9NE (E)	925	-	254034 200883
220	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A11NE (W)	975	-	252087 201532
221	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17NW (NW)	982	-	252329 202062
222	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A13NW (SW)	0	-	253113 201263
223	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A13NW (N)	8	-	253113 201420
224	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A13SW (SW)	243	-	252868 200971
225	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8NW (S)	258	-	253050 200826
226	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A13SW (SW)	263	-	252819 201023
227	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A17SE (NW)	428	-	252715 201660
228	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A17SE (NW)	438	-	252677 201618
229	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A18SE (NE)	482	-	253396 201829
230	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A18SE (NE)	485	-	253381 201842
231	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A18SW (NW)	509	-	252799 201843
232	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A19SW (NE)	513	-	253525 201762
233	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A19SW (NE)	552	-	253569 201777
234	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1891	A19SW (NE)	580	-	253614 201774
235	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A17SE (NW)	690	-	252472 201767
236	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A18NW (N)	714	-	253063 202138
237	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NW (SE)	770	-	253741 200664
238	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A8SE (S)	789	-	253157 200296
239	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8SW (S)	815	-	253061 200267

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
240	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A23SW (N)	922	-	252950 202331
241	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A17NE (NW)	957	-	252491 202175
242	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A9SW (SE)	967	-	253737 200367
243	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A4NW (S)	970	-	253522 200217
244	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A23SW (N)	972	-	252993 202390
245	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A3NW (S)	1000	-	252955 200090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
246	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	253013 201371
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	182	1	253262 201553
247	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	3	1	253065 201407
248	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	115	1	252944 201290
249	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	184	1	253259 201557
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
250	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
251	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	198	1	253405 201414
252	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	233	1	253207 200880
253	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	253158 201231
254	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	3	1	253065 201407
255	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	115	1	252944 201290
256	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	184	1	253259 201557
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	253113 201263
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	25	1	253170 201097
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	56	1	253231 201224
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	243	1	252832 201031

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
257	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (SW)	0	1	253113 201263

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








1:2,500	Mapsheets	Published Date
Carmarthenshire	058_04	1880
Carmarthenshire	058_04	1907
Carmarthenshire	058_04	1916
Ordnance Survey Plan	SN5201	1954
Ordnance Survey Plan	SN5301	1959

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

1:10,560	Mapsheets	Published Date
Glamorganshire	022A_00	1884
Carmarthenshire	054_SE	1891
Carmarthenshire	058_NE	1891
Carmarthenshire	054_SE	1907
Carmarthenshire	058_NE	1908
Carmarthenshire	058_NE	1921
Carmarthenshire	054_SE	1922
Carmarthenshire	054_SE	1951
Carmarthenshire	058_NE	1953
Ordnance Survey Plan	SN50SW	1965
Ordnance Survey Plan	SS59NW	1965
1:10,000	Mapsheets	Published Date
Ordnance Survey Plan	SN50SW	1992
Ordnance Survey Plan	SS59NW	1992

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

A selection of organisations who provide data within this report

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

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

Intégral Géotechnique

Historical Land Use Information (1:2,500)

General

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

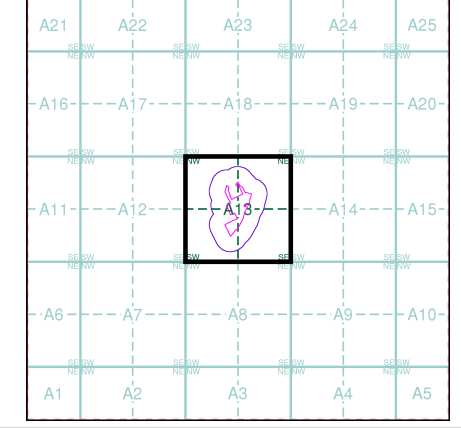
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

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

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	■

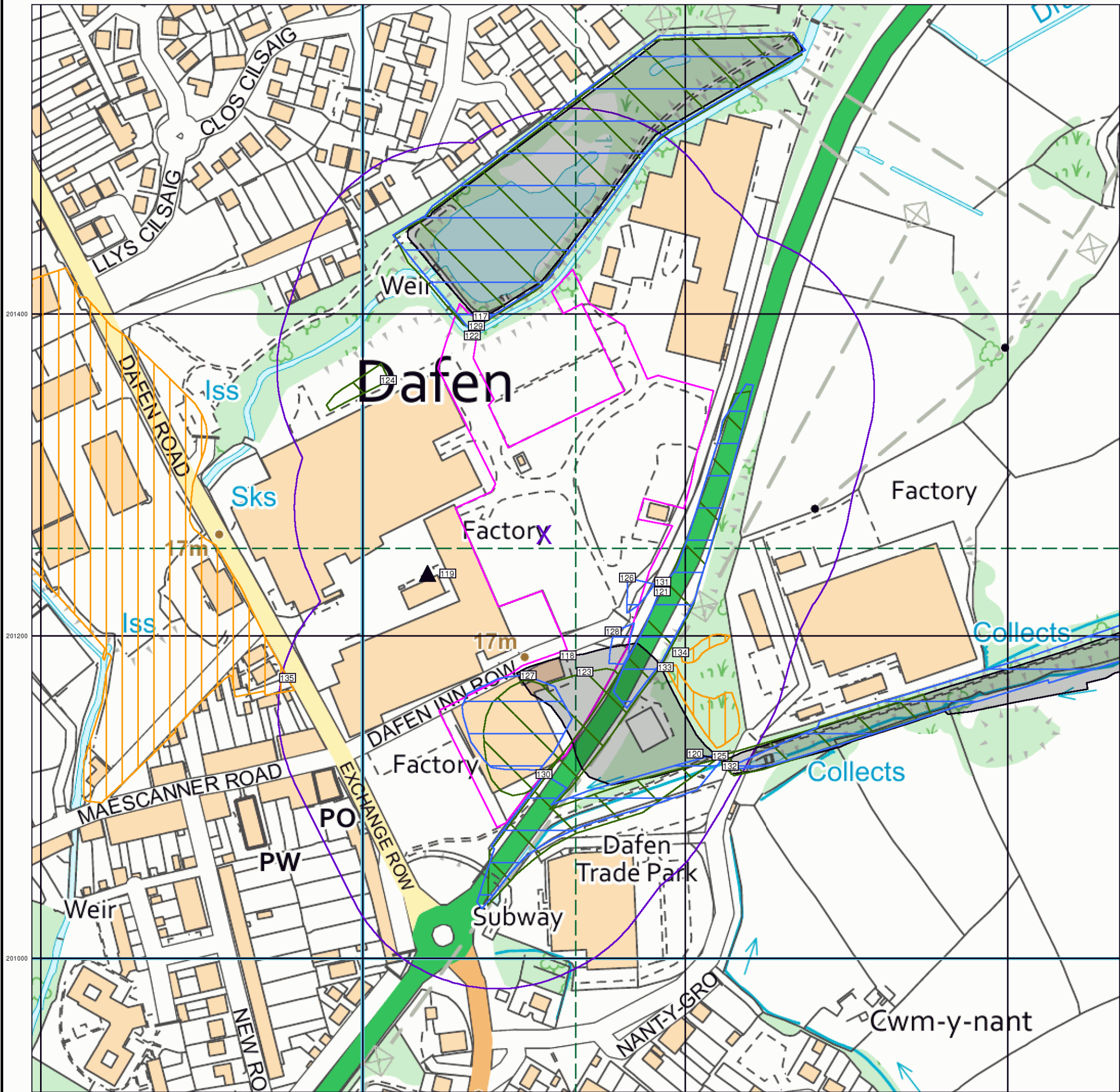
Mining and Ground Stability - Segment A13



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Plot Buffer (m): 100

Site Details
 Dyfed Steel, Dafen, Llanelli, SA14 8NW



Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

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

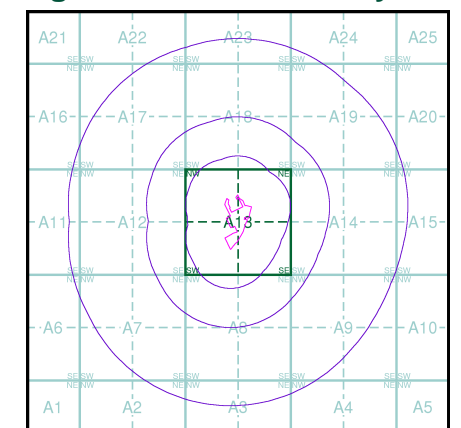
Historical Land Use

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

Mining Data

- Potential Mining Area
- ▼ BGS Recorded Mineral Site

Mining and Ground Stability - Slice A

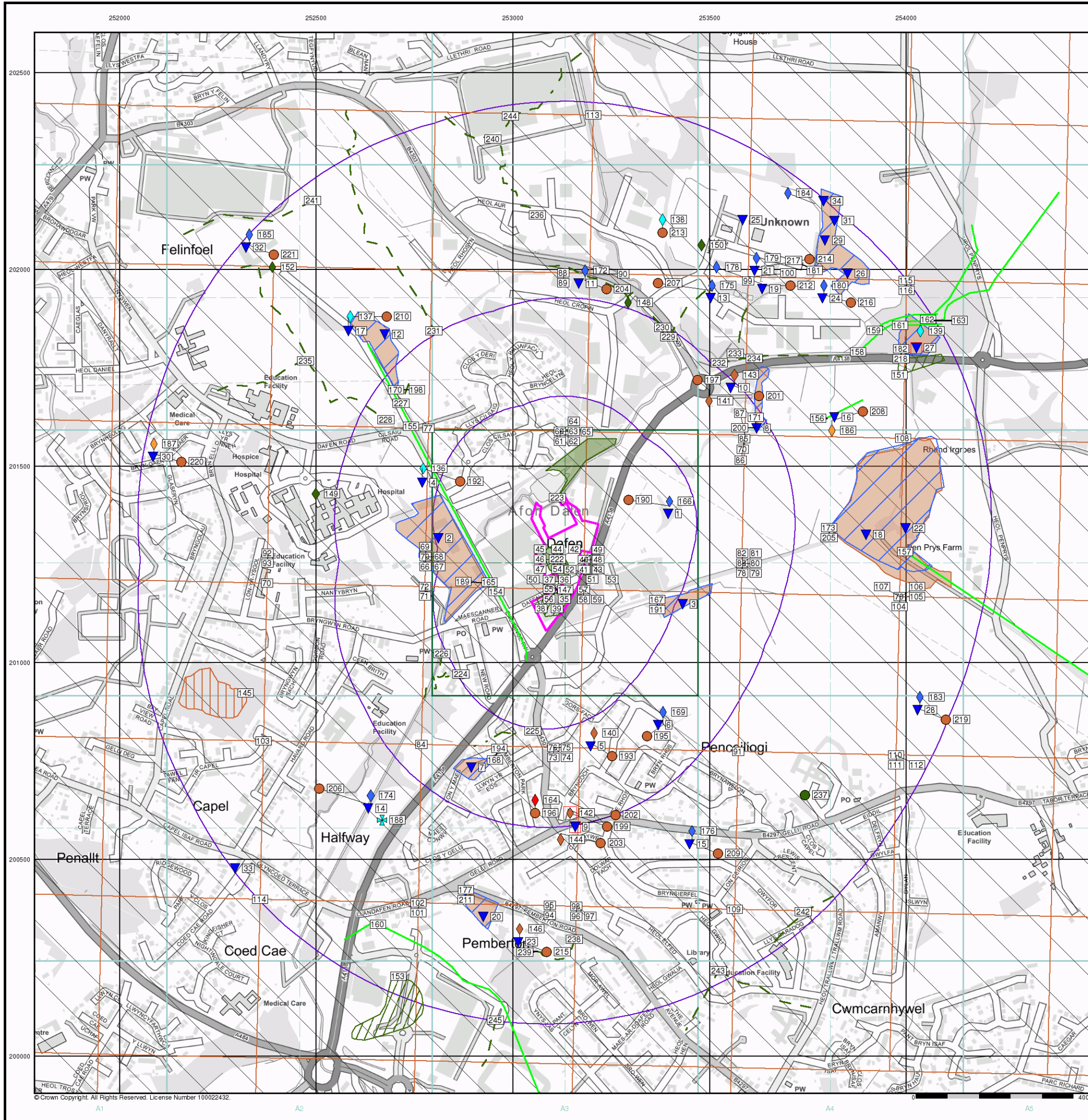


Order Details

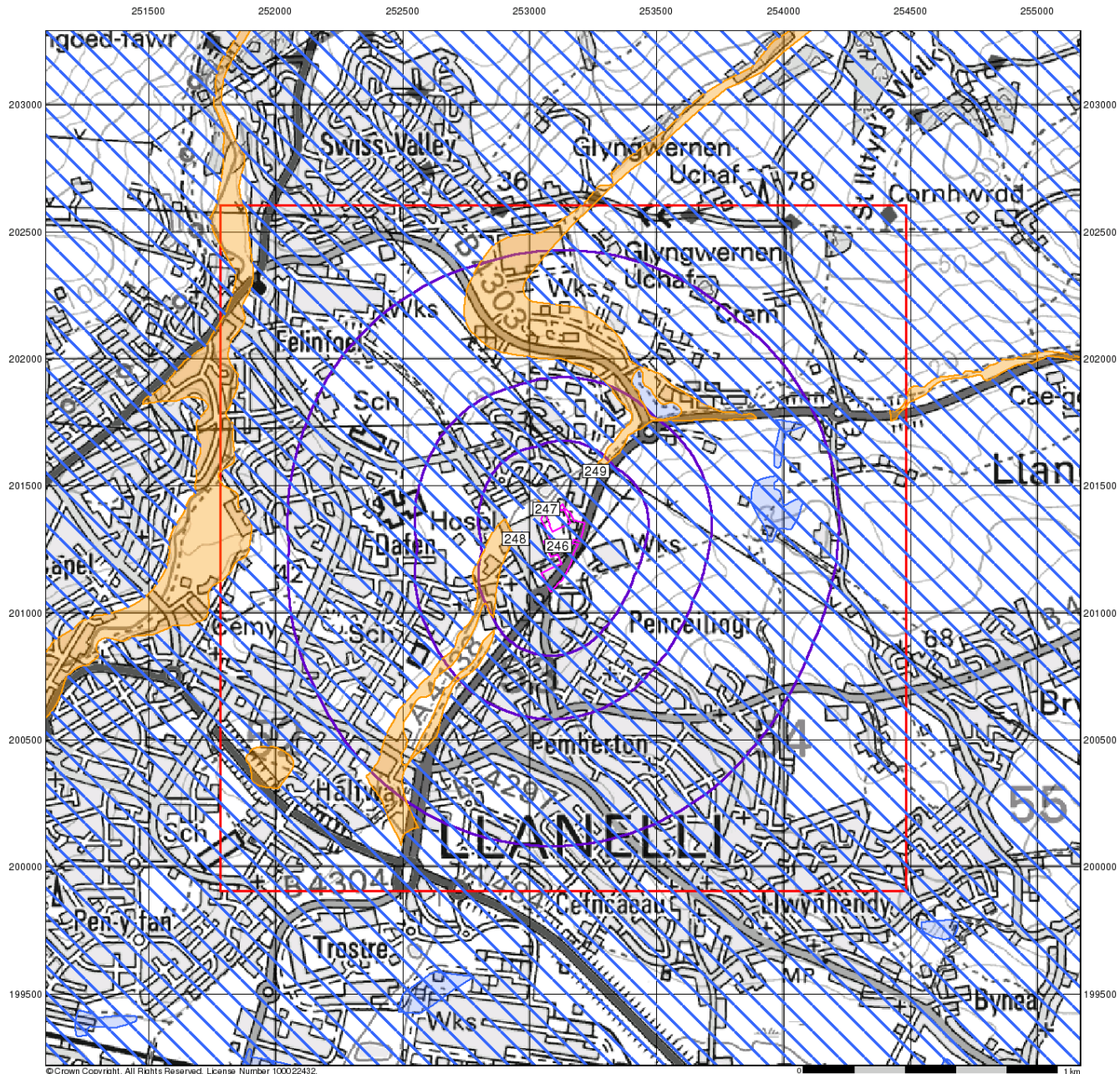
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



© Crown Copyright. All Rights Reserved. License Number 100022432.



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

Ground Stability Data (1:50,000)

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

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

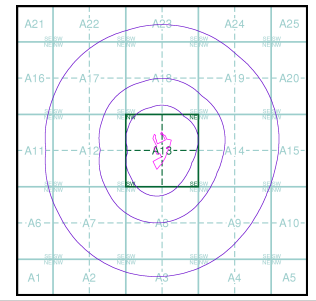
Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Brine Pumping and Salt Mining

- Brine Pumping Related Feature
- Salt Mining Related Feature
- Point
- Polygon

Mining and Ground Stability - Slice A



Order Details

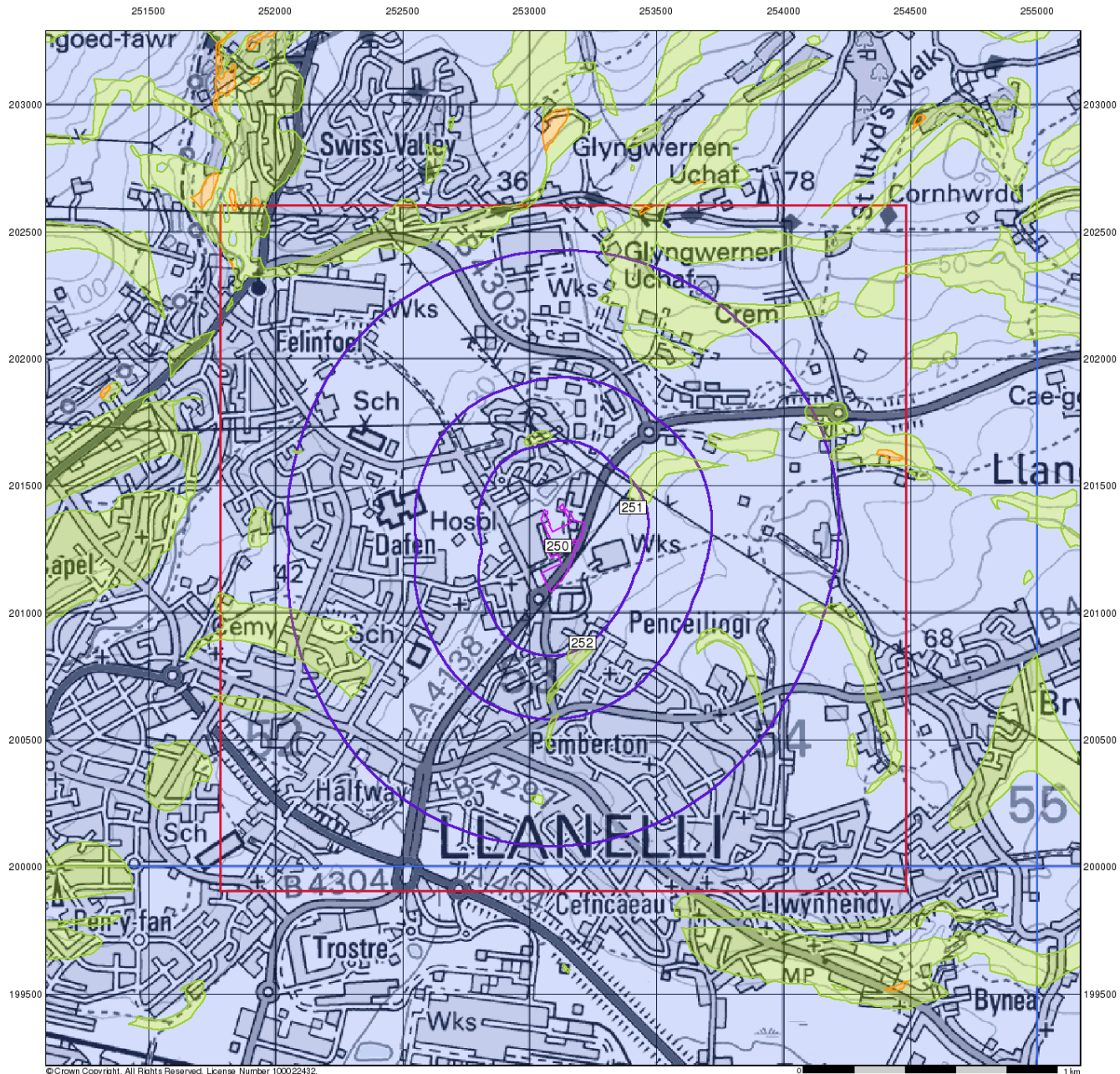
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

Ground Stability Data (1:50,000)

- General**
- ◆ Specified Site
 - Specified Buffer(s)
 - ✕ Bearing Reference Point
 - Slice
 - Map ID

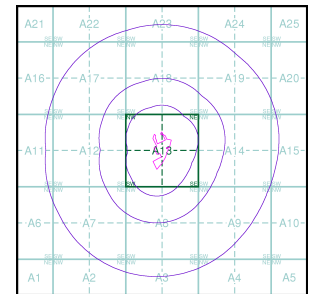
Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

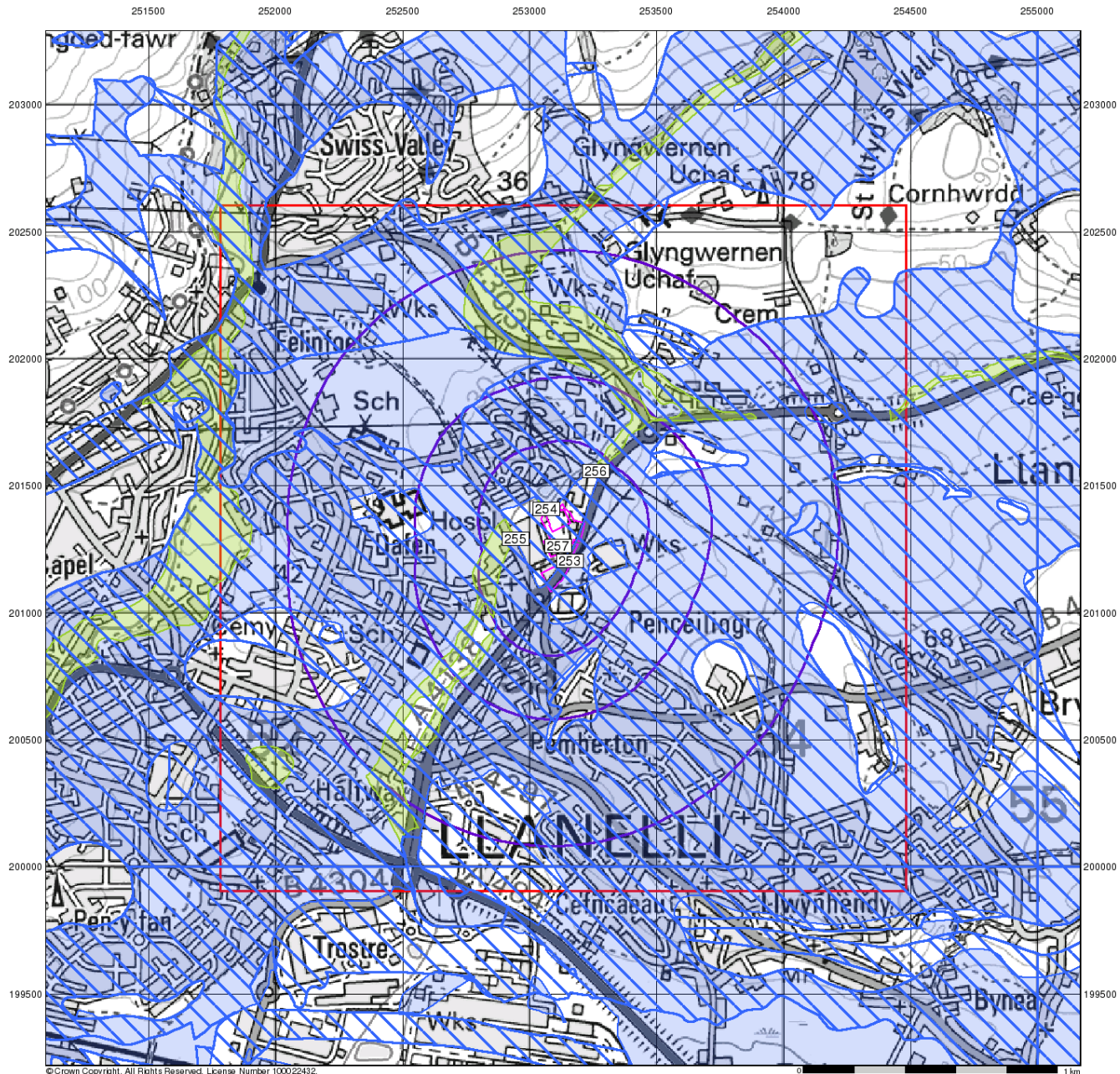
Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW



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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Intégral Géotechnique

Ground Stability Data (1:50,000)

- General**
- ◆ Specified Site
 - ◊ Specified Buffer(s)
 - ✕ Bearing Reference Point
 - Slice
 - B Map ID

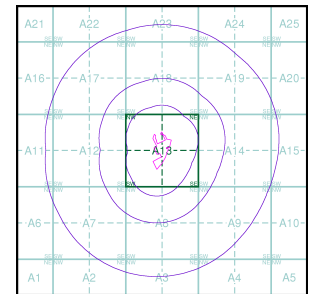
Potential for Running Sand Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

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

Mining and Ground Stability - Slice A



Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253110, 201260
 Slice: A
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

Landmark
 INFORMATION GROUP

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

Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

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

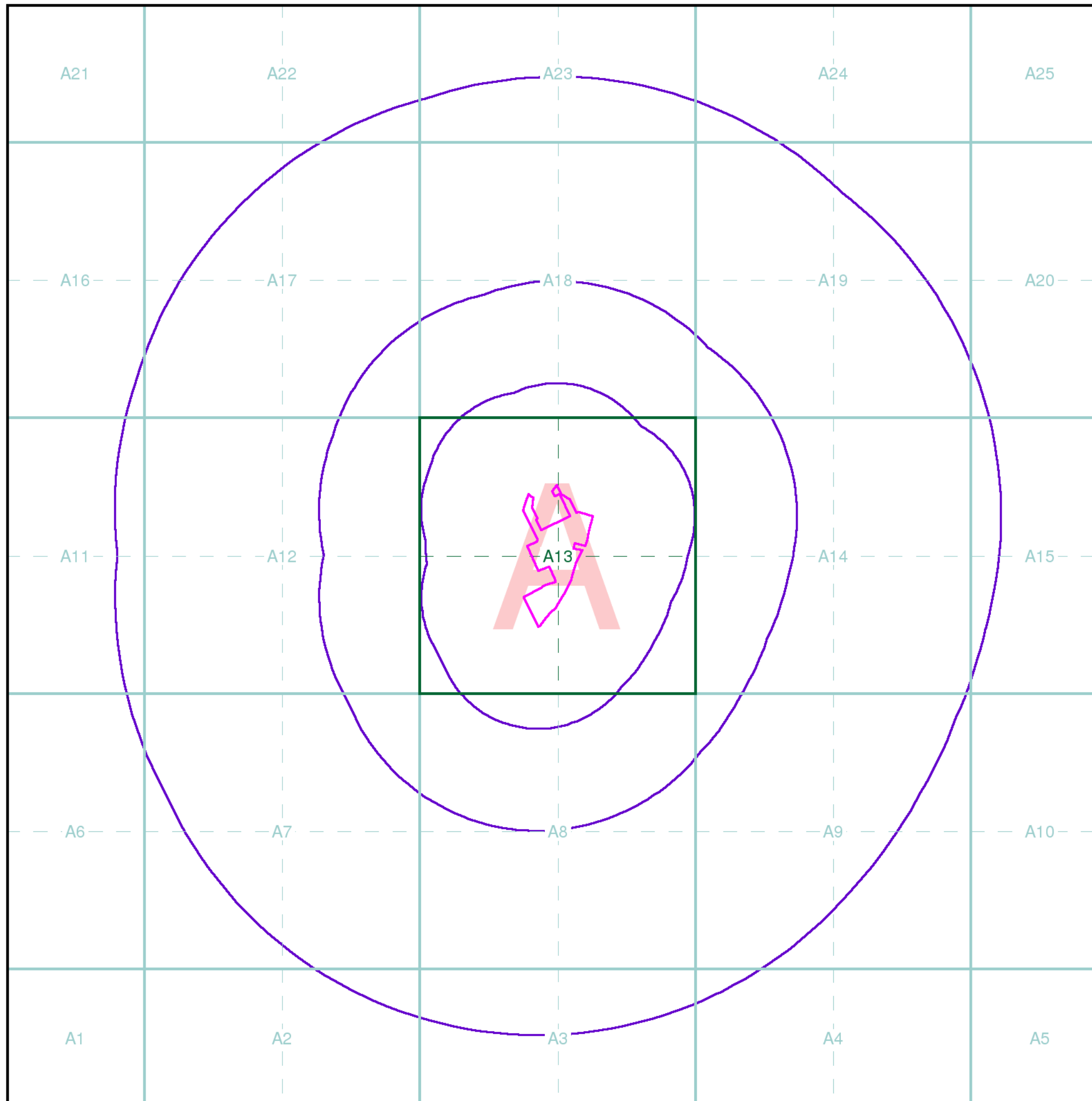
Order Details

Order Number: 346449928_1_1
 Customer Ref: 14316/LP
 National Grid Reference: 253130, 201260
 Site Area (Ha): 2.5
 Search Buffer (m): 1000

Site Details

Dyfed Steel, Dafen, Llanelli, SA14 8NW

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



APPENDIX B

BGS RADON GEOREPORT

LAURA PULLIN
INTEGRAL GEOTECHNIQUE
INTEGRAL HOUSE
7 BEDDAU WAY
CAERPHILLY
CF83 2AX

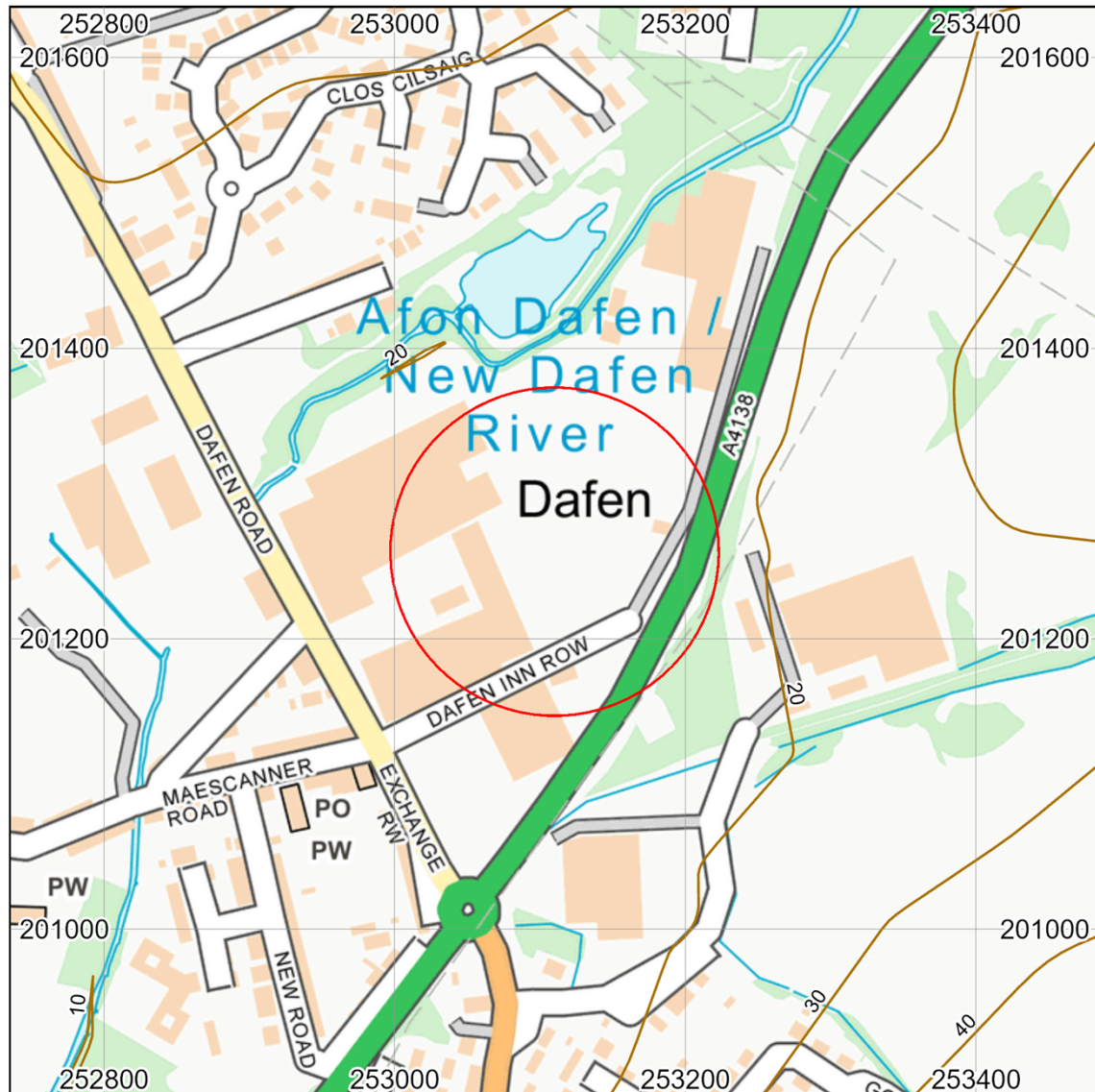
Radon Report

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

Report Id: *BGS_338306/54061*

Client reference: 14316 Dyfed Steel Dafen

Search location



Contains OS data © Crown Copyright and database right 2024. OS OpenMap Local: Scale: 1:5 000 (1cm = 50 m)

Search location indicated in red

Area centred at: 253110,201260

Radius of site area: 113 metres

Radon Report: UK

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

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

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

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

Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2023 edition)*, which also provides guidance on what to do if the result indicates that protective measures are required.

Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2023 edition) Radon: Guidance on protective measures for new buildings?

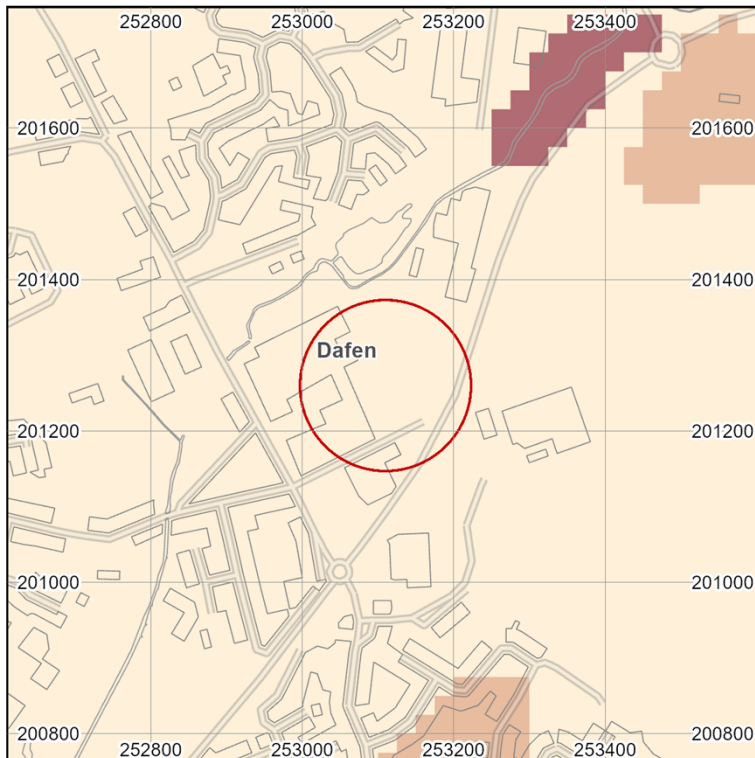
NO RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

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

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

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

Radon Affected Area



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

Contains OS data © Crown Copyright and database right 2024
 Scale: 1:10 000 (1cm = 100 m)
Search area indicated in red

Is the property in a radon Affected Area as defined by the UK Health Security Agency (UKHSA) and if so what percentage of homes are estimated to be at or above the Action Level? **NO**

Additional Information

THE PROPERTY IS IN AN AREA WHERE LESS THAN 1% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL. THE PROPERTY IS NOT IN A RADON AFFECTED AREA.

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

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

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

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

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

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

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

What is radon?

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

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

Radon in workplaces

The Ionising Radiation Regulations 2017 require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**. BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.uk website: www.brebookshop.com

Contact Details

Keyworth Office

British Geological Survey
Environmental Science Centre
Nicker Hill
Keyworth
Nottingham
NG12 5GG
Tel: 0115 9363100
Email: enquiries@bgs.ac.uk

Wallingford Office

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

Edinburgh Office

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

Terms and Conditions

General Terms & Conditions

This Report is supplied in accordance with the GeoReports Terms & Conditions available on the BGS website at <https://shop.bgs.ac.uk/georeports> and also available from the BGS Enquiry Service at the above address.

Important notes about this Report

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

Copyright:

Copyright in materials derived from the British Geological Survey's work, is owned by UK Research and Innovation (UKRI) and/ or the authority that commissioned the work. You may not copy or adapt this publication, or provide it to a third party, without first obtaining UKRI's permission, but if you are a consultant purchasing this report solely for the purpose of providing advice to your own individual client you may incorporate it unaltered into your report to that client without further permission, provided you give a full acknowledgement of the source. Please contact the BGS Copyright Manager, British Geological Survey, Environmental Science Centre, Nicker Hill, Keyworth, Nottingham NG12 5GG. Telephone: 0115 936 3100.

© UKRI 2024 All rights reserved.

This product includes mapping data licensed from the Ordnance Survey® with the permission of the Controller of Her Majesty's Stationery Office. © Crown Copyright 2024. All rights reserved. Licence number AC0000824781 EUL



Report issued by
BGS Enquiry Service

APPENDIX C

CONSULTANTS COAL MINING REPORT FROM THE COAL AUTHORITY



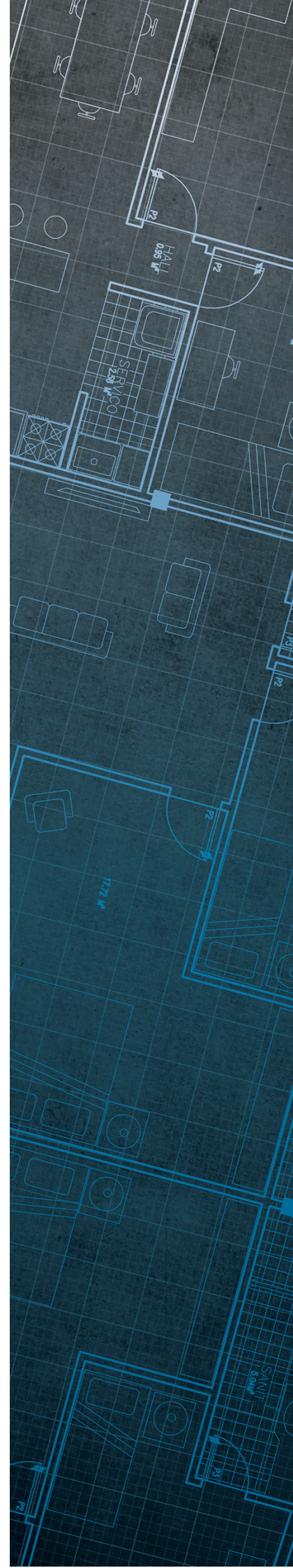
The Coal
Authority

Consultants Coal Mining Report

Dyfed Steel
Dafen
Llanelli
Carmarthenshire
SA14 8NW

Date of enquiry: 13 May 2024
Date enquiry received: 13 May 2024
Issue date: 13 May 2024

Our reference: 51003424033001
Your reference: 14316/LP



Consultants Coal Mining Report

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

Client name

INTEGRAL GEOTECHNIQUE (WALES) LTD.

Enquiry address

Dyfed Steel
Dafen
Llanelli
Carmarthenshire
SA14 8NW

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

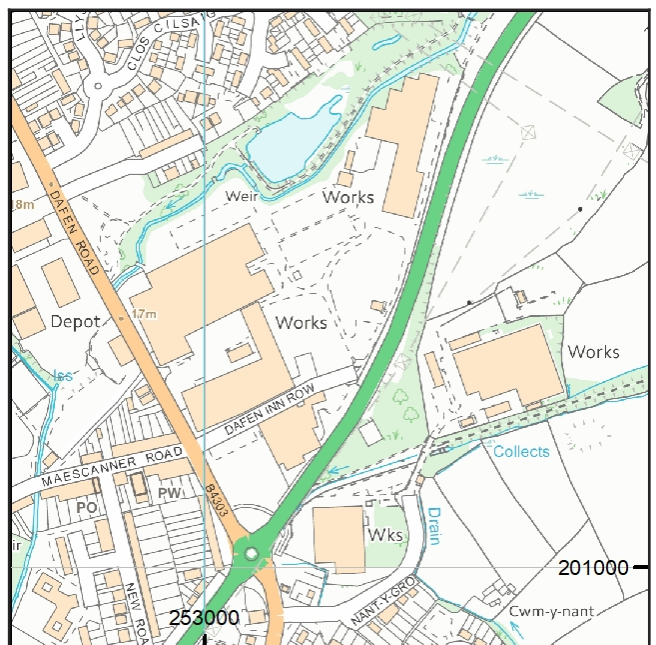
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved.

Ordnance Survey Licence number: 100020315

Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	UNNAMED	Coal	4I9Z	26	Beneath Property	14.0	South	120	1910
unnamed	UNNAMED	Coal	4IA0	34	Beneath Property	8.1	South	120	1858
unnamed	UNNAMED	Coal	4I9X	39	North	18.4	South	120	1858
unnamed	UNNAMED	Coal	4I9R	134	Beneath Property	14.0	South	110	1860
unnamed	UNNAMED	Coal	4I9S	148	Beneath Property	8.1	South	110	1867
unnamed	UNNAMED	Coal	4OI4	165	South	8.7	South	110	1877
unnamed	SWANSEA NO.3	Coal	4IAA	179	West	14.0	South	61	1877
unnamed	SWANSEA NO.3	Coal	4IAC	185	Beneath Property	8.1	South	61	1877
unnamed	UNNAMED	Coal	4IAD	198	North-West	13.5	South	61	1872
unnamed	SWANSEA NO.3	Coal	4OI2	235	South	8.1	South	61	1892

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	252201-040	252951 201154	Subsequent to a reported ground collapse this shaft was exposed to a depth of 3m bgl and found to have been filled at some time in the past. The shaft was found to be brick lined and 2m in diameter. Using 6 cu.m of concrete, an inverted cone was cast in situ, measuring 2.5m at the base and 3.5m some 0.75m bgl. The remaining void was backfilled with soils to the	Coal	
Shaft	253201-068	253270 201250		Coal	
Shaft	253201-069	253248 201419		Coal	
Shaft	253201-070	253052 201133		Coal	
Shaft	253201-071	253148 201138		Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

SWR2173	LPL387	LPL371
SW2668	LPL10	SWR1448
LPL192	5278	SWR2596

Our records show we have more plans than those shown above which could affect the enquiry boundary.

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

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

Site investigations

Distance to site investigation (m)	Direction
35.5	East

See Section 4 for further information.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

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

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

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

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

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

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

Payments to owners of former copyhold land

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

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

Site investigations

The site is within an area of previous interest. It is close to where the Coal Authority has received information relating to past site investigations.

The site requires further investigation and may influence how you approach your risk assessment.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

Opencast mines

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

Coal Authority managed tips

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

Site investigations

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

Remediated sites

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

Coal mining subsidence

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

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

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

Mine gas

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

Mine water treatment schemes

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

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

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

Future underground mining

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

Coal mining licensing

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

Court orders

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

Section 46 notices

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

Withdrawal of support notices




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

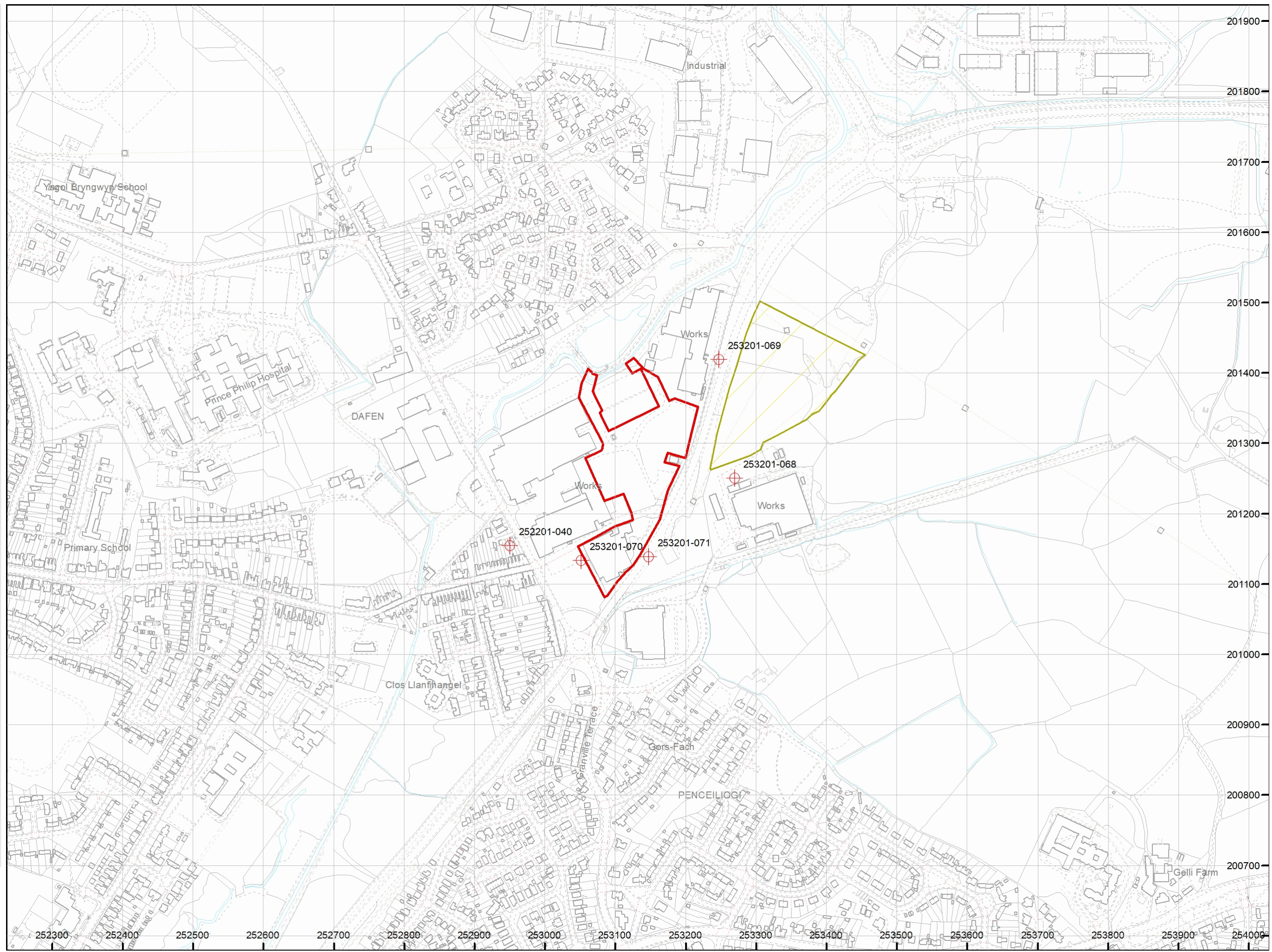
Payment to owners of former copyhold land

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

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

Key

- Approximate position of the enquiry boundary shown 
- Disused mine shaft 
- Site investigations 



How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com

FIGURES



NORTH

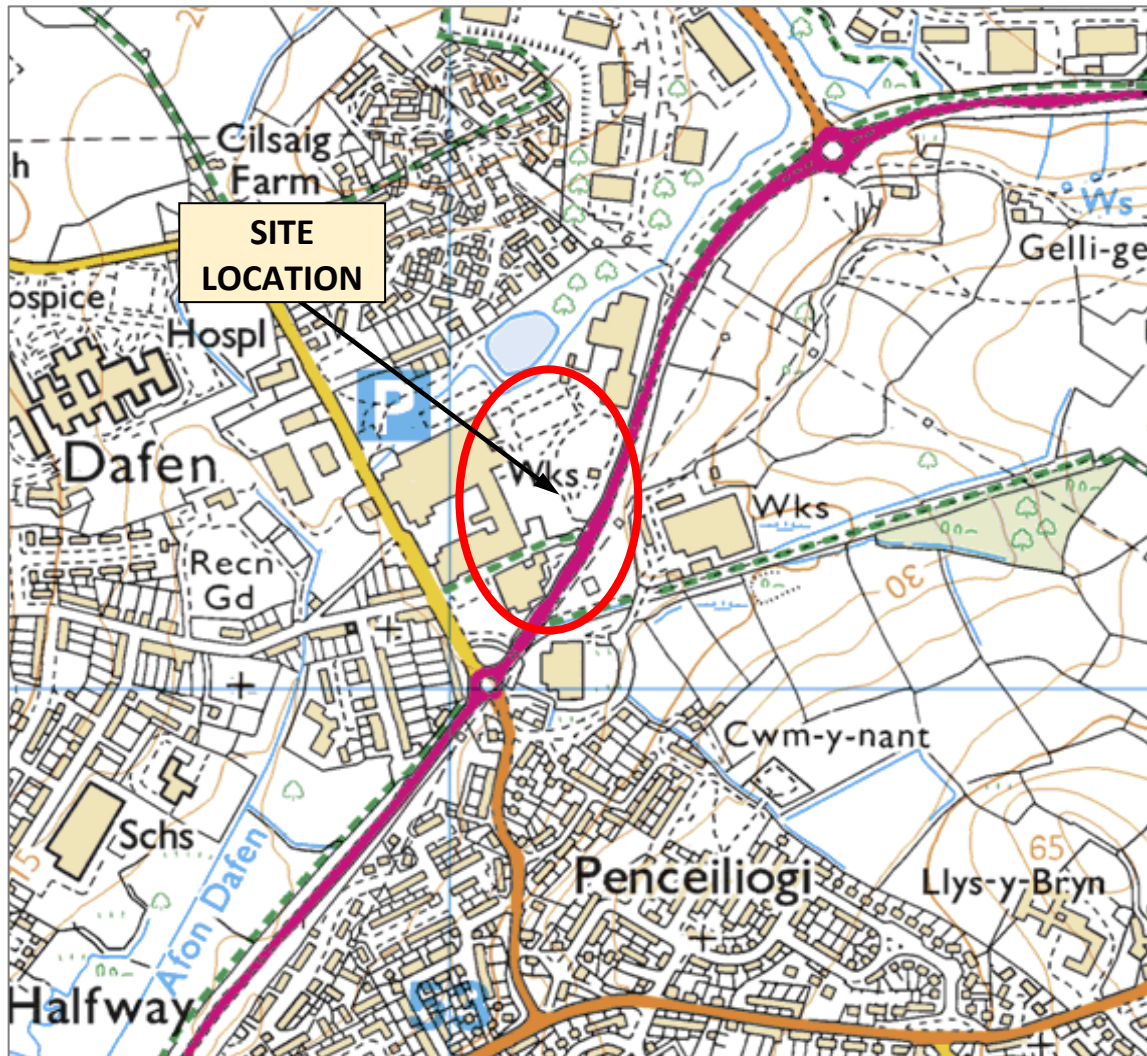
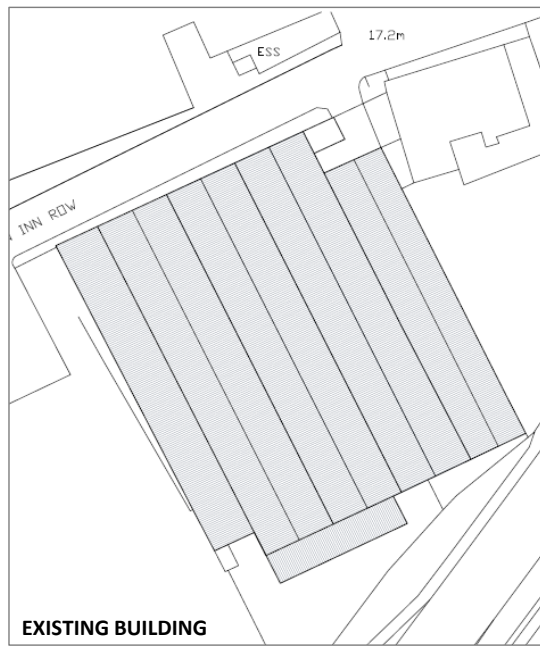


FIGURE 1: SITE LOCATION

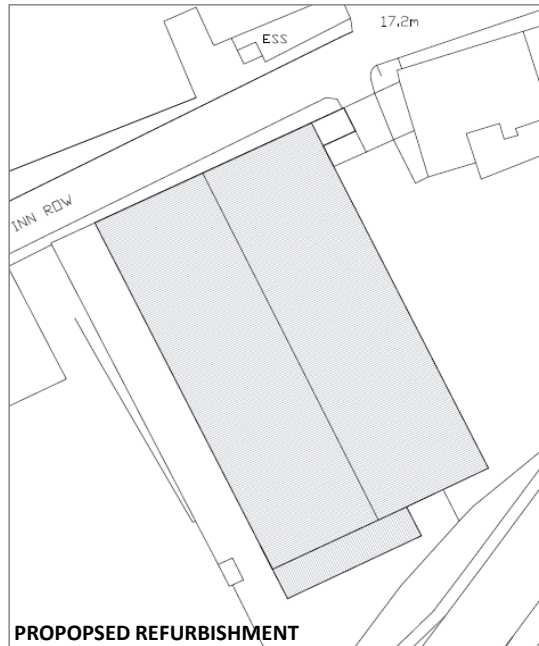
Dyfed Steels, Dafen, Llanelli

Intégral
Géotechnique

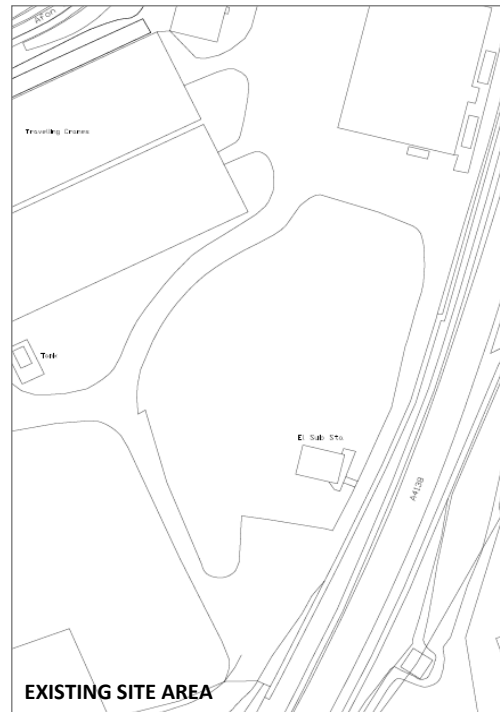
Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991



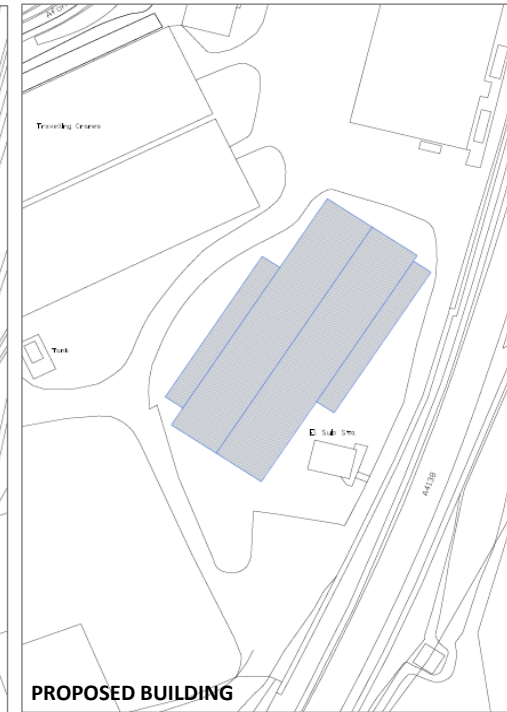
EXISTING BUILDING



PROPOSED REFRUBISHMENT



EXISTING SITE AREA



PROPOSED BUILDING

FIGURE 2A: PROPOSED DEVELOPMENT

Dyfed Steels, Dafen, Llanelli



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

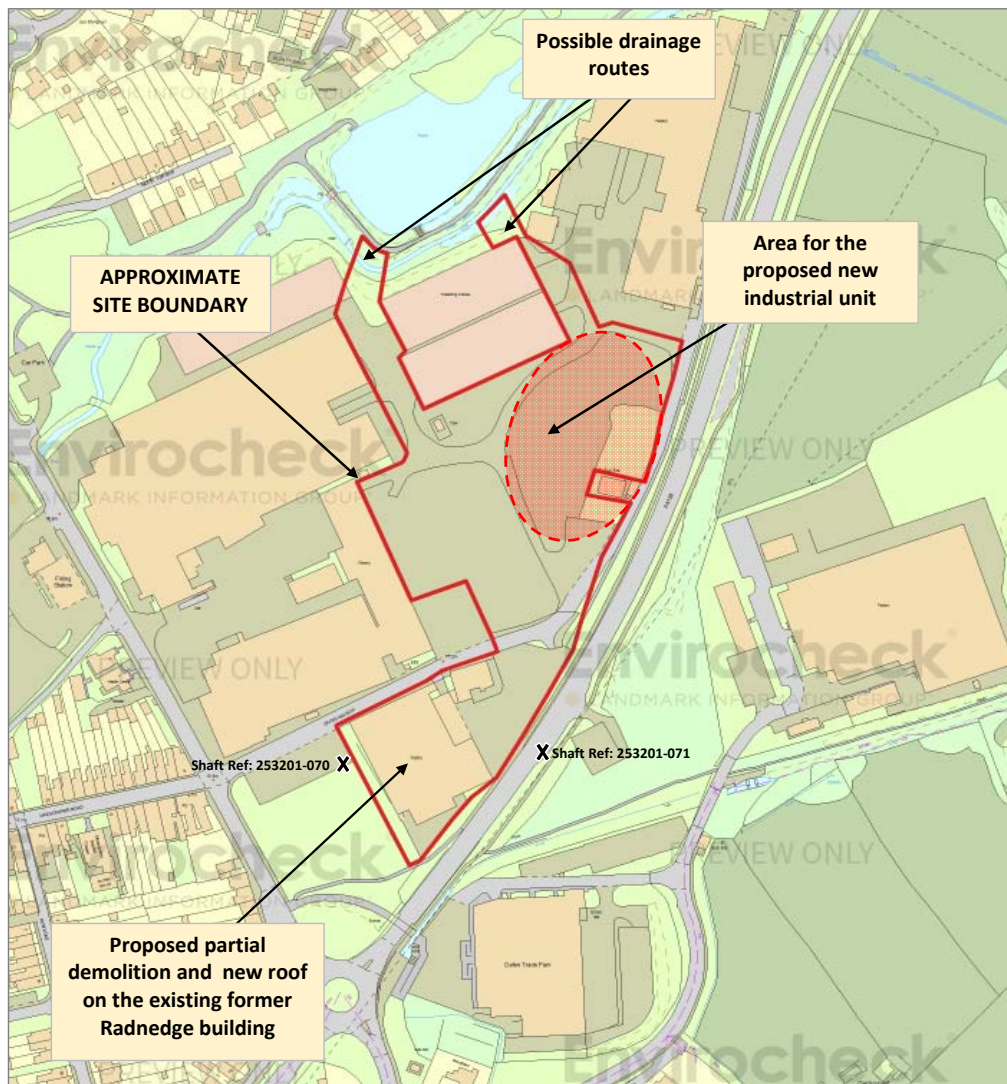
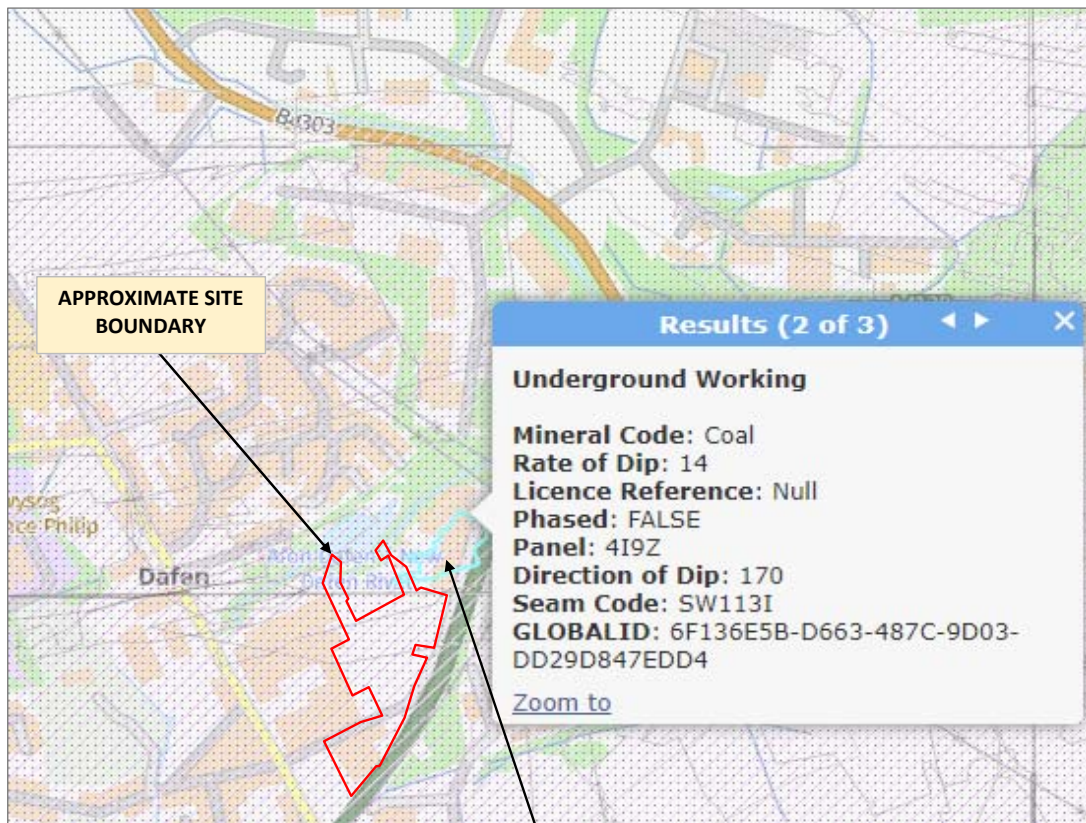


FIGURE 2: SITE PLAN

Dyfed Steels, Dafen, Llanelli

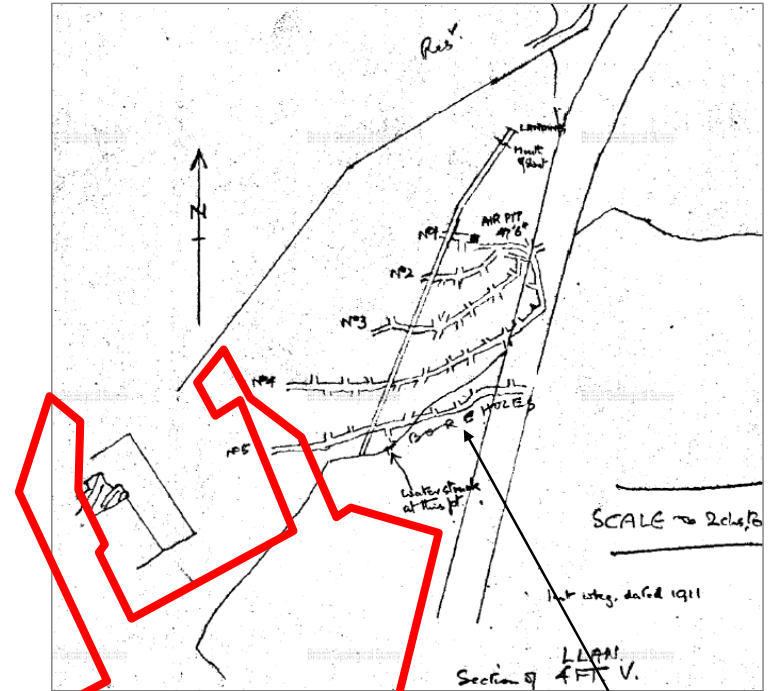


Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991



APPROXIMATE SITE BOUNDARY

Location of Panel 419Z showing recorded workings in the Swansea Flve Feet seam at 26m depth



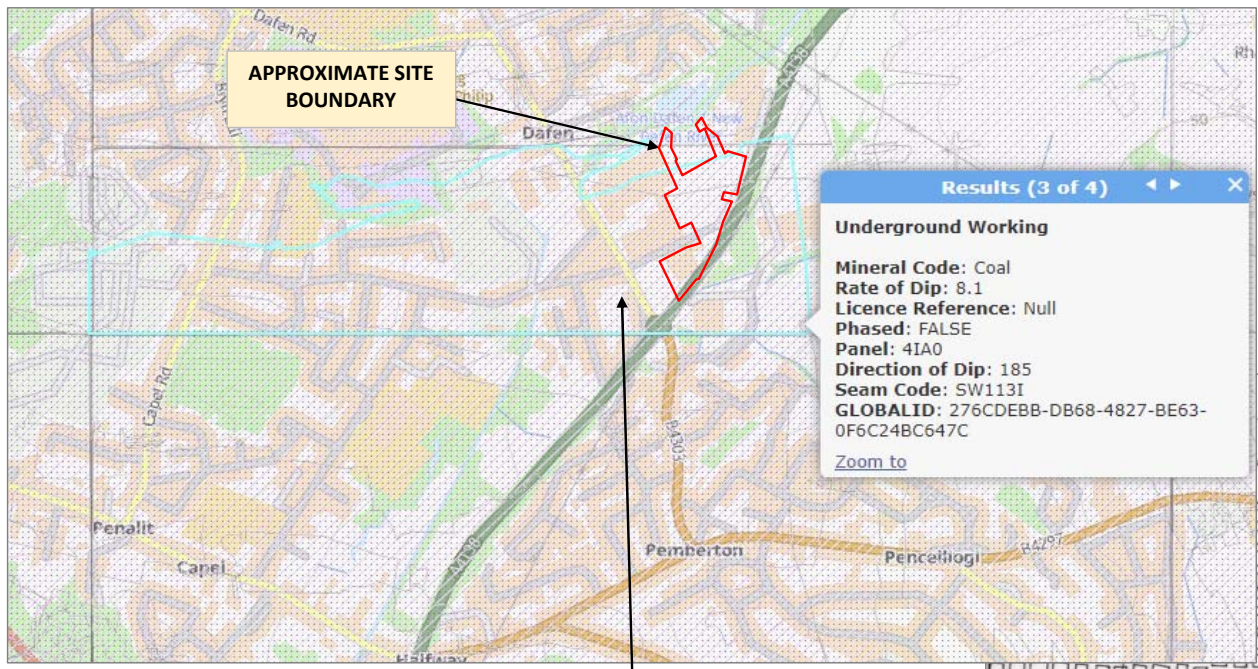
Location of recorded workings in the Swansea Flve Feet seam

FIGURE 3A: ABANDONMENT PLAN EXTRACT (BGS)

Dyfed Steels, Dafen, Llanelli

Intégral
 Géotechnique

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



Location of Panel 4IA0 showing recorded workings in the Swansea Flve Feet seam at 34m depth

Location of recorded workings in the Swansea Five Feet seam

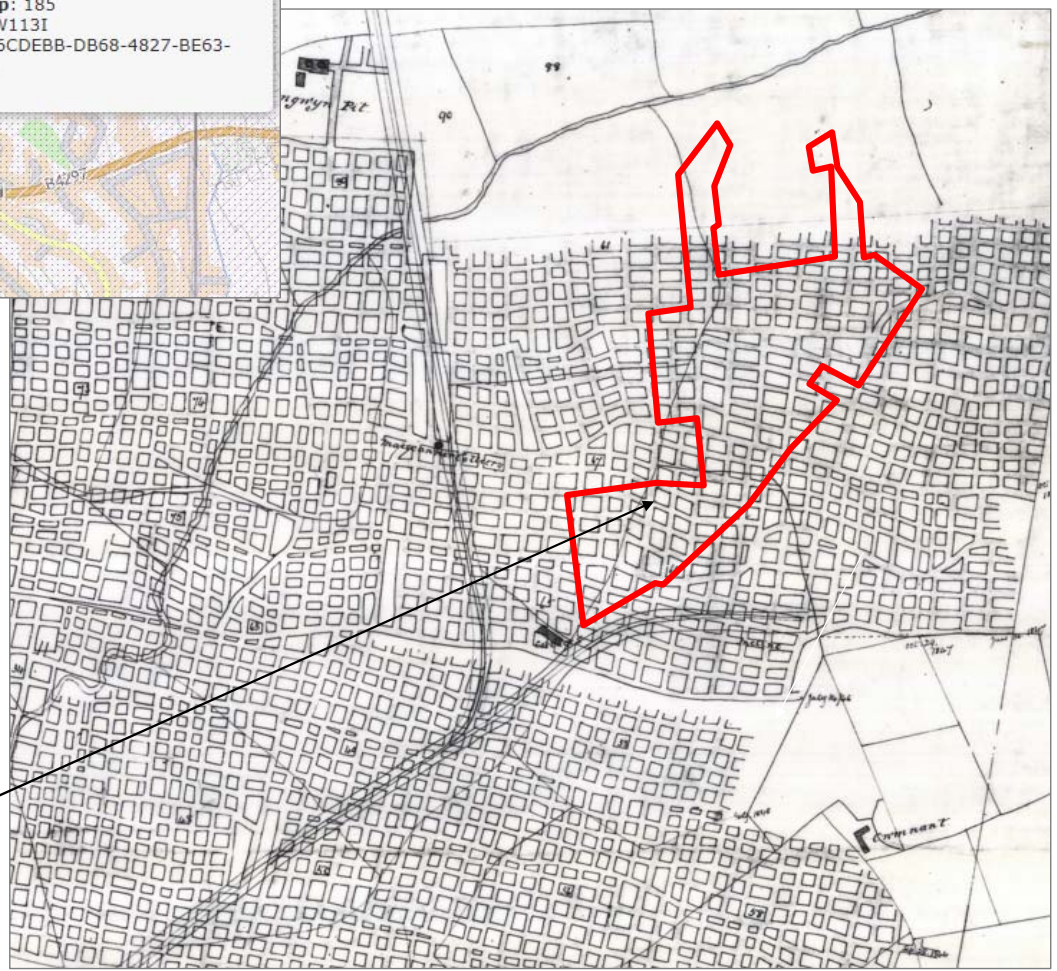


FIGURE 3B: ABANDONMENT PLAN EXTRACT (REF: LPL387)

Dyfed Steels, Dafen, Llanelli

Intégral
 Géotechnique

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