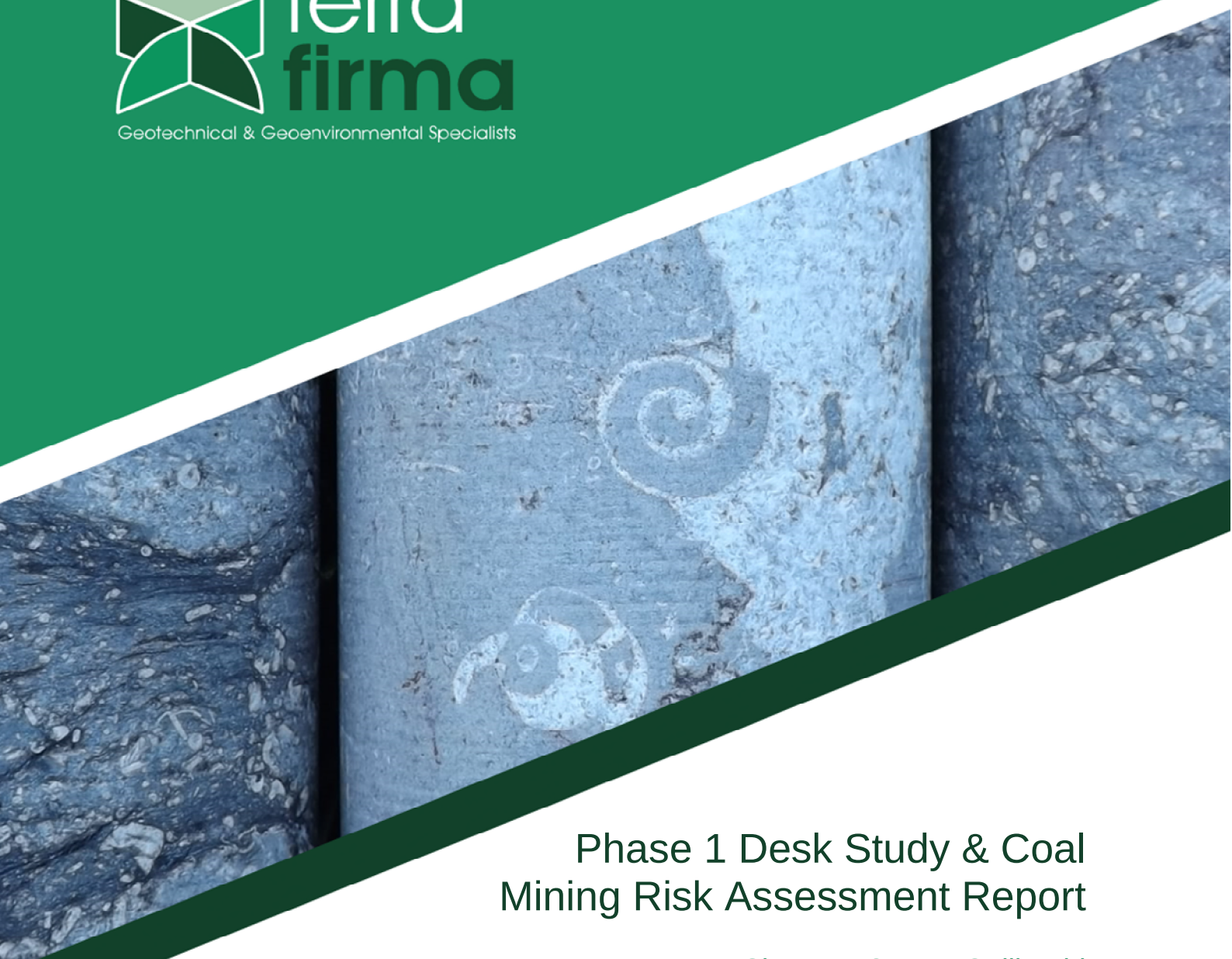




Phase 1 Desk Study & Coal Mining Risk Assessment Report

Site: Lon Catwg, Gellinudd

Prepared For: SWP Ltd

Issue Date: February 2024

Job Ref: TF-24-025-CA

REPORT TITLE : **Phase 1 Desk Study & Coal Mining Risk Assessment Report: Proposed Residential Development, Lon Catwg, Gellinudd, Pontardawe, Rhos, Swansea**

JOB REFERENCE : **TF-24-025-CA**

DATE : **February 2024**

Document Revision Record

Issue Number	Date	Revision Details
01	15022024	Final

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Executive Summary

Site Location and Proposed Development	SWP Ltd (the Client) is proposing the development of the construction of 4no. new single storey units (in a C2 use), relocation of the car park and associated works at Lon Catwg, Gellinudd, Pontardawe, Rhos, Swansea SA8 3DX.
Site History	The site was empty until c1918 wherein an isolation hospital is shown on site. The hospital buildings have been remodelled previously but are still present on site today.
Geology	The site is underlain by the South Wales Upper Coal Measures Formation - Swansea Member - Sandstone.
Radon	No radon protection measures are required on site.
Preliminary Coal Mining Risks	The Tir Edmond and Graigola coal seams are projected to outcrop or subcrop beneath the site at shallow depth, posing a risk to ground stability.
Preliminary Human Health and Environmental Risks	The contaminant linkages that have been identified to be potentially complete and require further action are: Historical development on site, to site users via inhalation of dust and vapours, dermal contact, plant uptake, consumption of home grown produce pathways. Possible unflooded working presenting a risk to future site users from mine gases.
Tentative Foundation Solution	Traditional shallow foundations such as strips and pads are likely to be feasible for future low-rise development on site, providing the risk from legacy mining is determined to be acceptable.
Recommended Further Works	An intrusive site investigation designed and justified in accordance with guidance provided in BS10175:2011+A2:2017 and BS5930:2015 should be undertaken to achieve the following objectives: • Identify the potential environmental liabilities at the site associated with any soil and groundwater contamination from past site uses, to substantiate and enhance the conceptual site model, for a residential with home grown produce scenario. • Provide a summary of the environmental conditions at the site, together with any necessary remediation works to render the site fit for its intended use. • Investigate the presence and depth of coal seams below the site and confirm the absence of workings to facilitate an intrusive coal mining risk assessment. • Provide recommendations regarding any relevant geotechnical aspects pertaining to the development. • Mine Gas Investigation and Risk Assessment

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Drawing 01 Proposed Site Layout

SECTION 1 Introduction and Proposed Development

1.1 Introduction

SWP Ltd (the Client) is proposing the development of four single storey units (in a C2 use), relocation of the car park and associated works at Lon Catwg, Gellinudd, Pontardawe, Rhos, Swansea SA8 3DX.

TFW Group Limited have been commissioned by the Client to undertake a phase 1 desk study and Coal Mining Risk Assessment (CMRA) for the site.

The main objectives of the assessment programme are to:

- Provide information on past and current uses of the site and surrounding area
- Provide information on the nature of any hazards and physical constraints, for example buried structures/obstructions
- Provide information on the likely ground conditions beneath the site, including soil types, groundwater and if made ground is likely to be present
- Identify the likely potential environmental liabilities at the site associated with any soil and groundwater contamination from past site uses
- Identify if gas emissions either from the site or surrounding areas is likely to be present
- Produce an initial site conceptual model of the site, to detail the nature and extent of potential contamination, its source, potential pathways and likely receptors (pollutant linkage)
- Prepare a human health and environmental risk assessment for the site
- Provide data to assist in the design of an intrusive site investigation and give early indications of possible remediation requirements
- Prepare a preliminary coal mining risk assessment for the site
- Provide tentative engineering foundation and floor slab recommendations for the proposed development

In order to achieve the above objectives, TFW Group Ltd carried out an assessment programme including a review of existing data.

1.2 Limitations and Exceptions of Investigation

The Client has requested that a Phase 1 Desk Study (DS) and Coal Mining Risk Assessment (CMRA) be undertaken to enable the outlined main objectives.

The DS and CMRA were conducted, and this report has been prepared for the sole internal reliance of the Client and their design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of TFW Group Limited. If an unauthorised third party comes into possession of this report, they rely on it at their peril and the authors owe them no duty of care and skill. The report represents the findings and opinions of experienced geoenvironmental and geotechnical consultants. TFW Group Limited does not provide legal advice and the advice of lawyers may be required.

1.3 Quality Assurance

The quality and environmental aspects of the assessment and investigation comply with UKAS Accredited ISO 9001:2015 and ISO 14001:2015 standards.

SECTION 2 Review of Existing Data

2.1 Physical Setting and Current Site Use

The development site is irregular in shape and locates at Lon Catwg, Gellinudd, Pontardawe, Rhos, Swansea SA8 3DX. The site centres on an approximate National Grid Reference of 273640, 204320, occupying a plan area of approximately 0.76 Hectares.

The site is currently host to several buildings associated with the Gellinudd Hospital and parking. There is green space present to the northeast of site.

Site boundaries are defined by a fence which encompasses the site.

The site sits within a residential area with some field land to the east and north. The river Tawe is present some 300m north.

The site elevation is approximately 105m AOD sloping down to the south.

The site location can be seen on **Figure 2.1** along with the proposed site layout on **Drawing 01**.

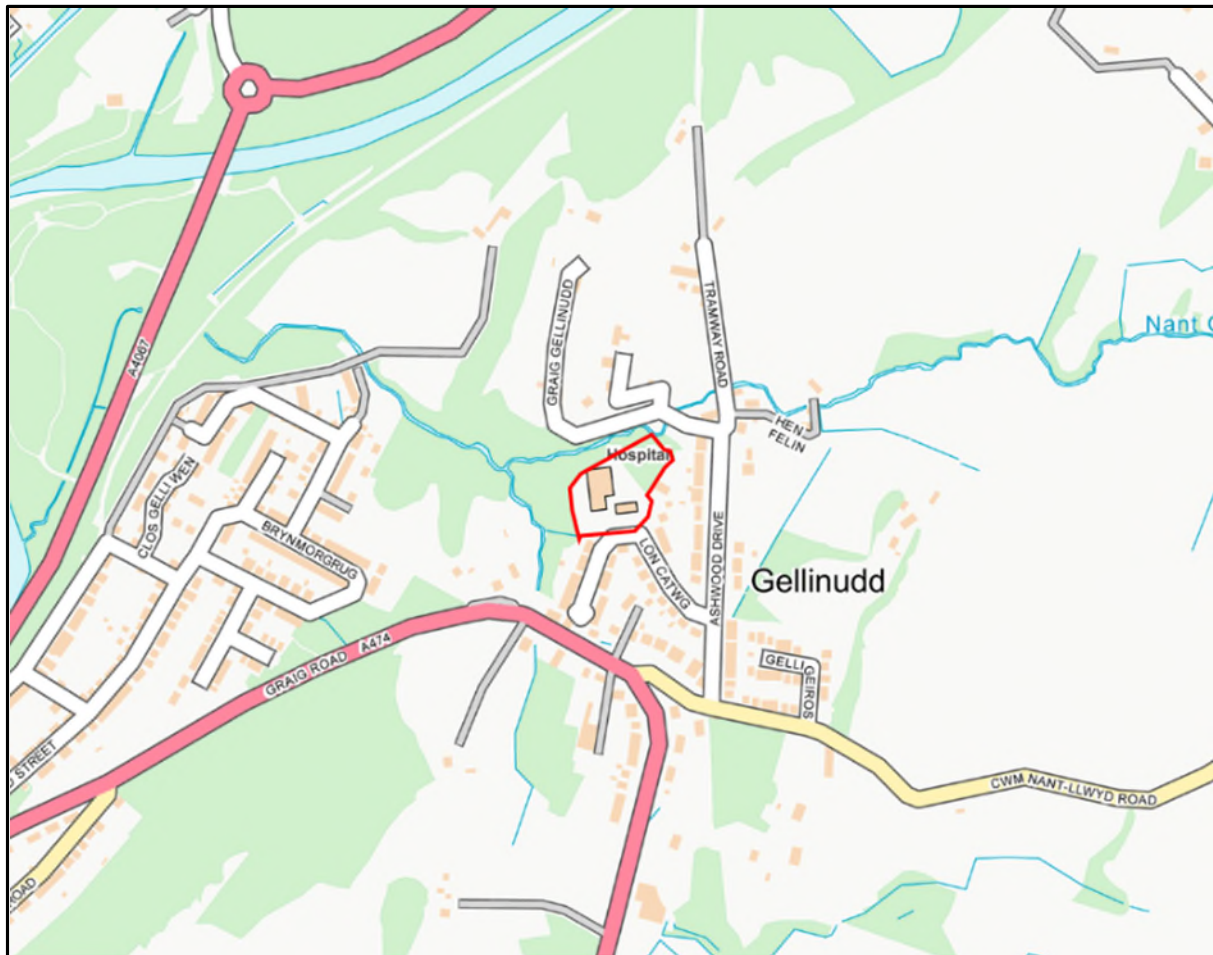


Figure 2.1 Site Location

2.2 Site History

Historical maps of the site have been obtained in an Envirocheck Report, provided by Landmark Information Group. The history plans are supplied in **Annex A** of this report, and the most relevant editions are summarised in **Table 2.1**. Distances, where quoted are approximate, and any changes in-between map editions may not be recorded.

Table 2.1 Historical Development from Map Information

Map Edition & Scale	Key Features on Site	Key Features off Site
1878 1:2,500	The site comprises of field land.	The surrounding area is predominantly field land and occasional cottages. A woollen factory is present 100m to the northeast.
1898 1:2,500	The site remains unchanged.	The woollen works is no longer shown.
1918 1:2,500	The site hosts an isolation hospital, with the buildings sitting in the footprint to the modern-day layout.	An old quarry is labelled 50m south.
1942 1:2,500	The site remains unchanged.	The surrounding area remains unchanged.
1964-1965 1:2,500	The site remains unchanged.	The surrounding area remains unchanged.
1973-1974 1:2,500	Some extension work on the buildings is shown.	Residential buildings are now present abutting the site towards the east and south.
1993 1:2,500	The site remains unchanged.	The surrounding area remains unchanged.
1994 1:2,500	The main building has been reworked, taking on its present day appearance.	The surrounding area remains unchanged.
2024 1:10,000	The site remains unchanged.	The surrounding area remains unchanged.

2.3 Geological Setting

2.3.1 Geology

The 1:50,000 scale British Geological Map of the area (Sheet 230) and the 1:10,650 map (SN70SW) were consulted for geology underlying the site. The site is shown to be underlain by sandstone bedrock. Detailed stratigraphical information is provided in **Table 2.2**.

Table 2.2 Detailed Stratigraphical Information

Period	Formation
Carboniferous	South Wales Upper Coal Measures Formation - Swansea Member - Sandstone.

Superficial deposits are not recorded, but nearby lies glacial till and alluvium.

The Duffryn Fault is present some 30m west of site and downthrows strata to the east.

The closest coal outcrop within the faulted block is the Graigola outcrop some 250m north of site with a dip direction of ~15-45 degrees southeast. This seam will subcrop beneath the site at depth. The Graigola coal seam is shown to attain a thickness of between 1.4m and 1.8m and is of workable thickness and quality as demonstrated by the numerous levels along its outcrop to the north of the site.

The accompanying map provided with the Coal Authority Report shows two coal outcrops one to the west of the site and one crossing the east of the site.

The outcrop to the west of the site is likely to be the Graigola while the one crossing the eastern section of the site (although not shown on the geology map) is likely to be the Little/Tir Edmunds (see Section 2.5) that are shown to be very close together on the generalised vertical section and attain a total thickness of 2.7m with partings.

2.3.2 Radon

The Envirocheck Report (**Annex A**) details that no radon protective measures are required for new developments on the investigation site.

2.3.3 Mining

Relevant BGS mineral sites as recorded in the Envirocheck Report datasheets (**Annex A**) are summaries in **Table 2.3**.

Table 2.3 BGS Recorded Mineral Sites

Site Name	Distance/ Direction from site	Type	Commodity
Gelli-Geiros	55m South	Opencast	Sandstone
Gelli-Nedd Arms	116m Northeast	Opencast	Sandstone
Clyn-Dyle	212m North	Opencast	Sandstone
Ty'N-y-Graig	321m Southwest	Underground	Coal Deep

A Coal Authority Consultants Coal Mining Report was obtained to facilitate this assessment and is appended in (**Annex B**).

The Coal Authority Report has no record of past underground mining or recorded spine roadways at shallow depth. Furthermore, the report concludes there are no probable unrecorded shallow workings beneath the site.

The Coal Authority Report also states an unnamed coal seam outcrop is present within the site boundary, in addition, the Swansea No.3 is outcropping 25m west of site in a north-south direction. The Swansea No.3 seam is shown to outcrop along strike up to 250m north of site.

Based upon the data shown on the large scale geology map the two outcrops are likely to be the Graigola and Little/Tir Edmund coal seams (see Section 2.5).

2.3.5 Natural Hazards

No natural hazards are present within site.

2.4 Environmental Setting

The following sections have been compiled using the Landmark Information Group Envirocheck datasheet and maps which can be found in **Annex A**.

2.4.1 Hydrogeology

The bedrock deposits beneath the site have an aquifer designation of secondary aquifer – A.

Deeper groundwater flow within the underlying bedrock will be controlled by the strata dip and any fractures or bedding planes within the rock units.

The hydraulic gradient will be at its steepest during periods of heavy rainfall and aquifer recharge.

The site does not locate within a groundwater source protection zone.

The nearest groundwater abstraction point is located 1195m West, operated by British waterways board.

2.4.2 Hydrology

The nearest surface water feature locates on site and comprises of a small stream, which drains eventually into the river Tawe some 300m west.

The topography of the site slopes down towards to the south. Surface water is likely to drain in this direction.

2.4.3 Flooding

As per the flood risk map which can be found on the Natural Resource Wales website, there is a flood risk to the site from surfaces water and small watercourses.

2.4.4 Waste

There are no recorded landfill sites within 250m of the site.

There are no licensed waste management facilities or waste transfer sites within 250m of the site.

2.4.5 Pollution

Several pollution incidents are shown within 250m of the site. These are listed in **Table 2.4.** and **Table 2.5.**

Table 2.4 Pollution Incidents to Controlled Waters

Location	Distance/ Direction from site	Severity	Pollutant
N/A	82m South	Category 3 – Minor	Coal Solids
Footpath Off Main Road, From Alltwn To Rhos-Forth	88m Northwest	Category 3 – Minor	Crude Sewage
Footpath Off Main Road, From Alltwn To Rhos-Forth	120m Northwest	Category 3 – Minor	Crude Sewage
Near Graig Road, Alltwn	124m Northwest	Category 3 – Minor	Crude Sewage
N/A	127m Northwest	Category 3 – Minor	Oils
Adjacent To 81 Graig, Road Gelli Nedd,	131m Southwest	Category 2 Significant Incident	Unknown (Note : blocked Sewer)
N/A	147m Southeast	Category 2 Significant incident	Unknown (Note : Inadequate Capacity)
Below Hospital In Alltwn	216m West	Category 3 – Minor incident	Crude Sewage
Alltwn Forth Layby	233m Southwest	Category 3 – Minor Incident	Crude Sewage

Table 2.5 Pollution Incident Register

Date	Distance/ Direction from site	Severity	Pollutant
23/09/2011	50m North	Category 2 – Significant Incident	Atmospheric pollutants : Fumes
03/10/2012	91m Northwest	Category 2 – Significant Incident	Household Waste
06/07/2012	91m Northwest	Category 2 – Significant Incident	Construction/demolition material
26/11/2011	91m Northwest	Category 2 – Significant Incident	Other Atmospheric Pollutant
01/08/2007	91m Northwest	Category 2 – Significant Incident	Construction/demolition material
18/10/2011	94m North	Category 2 – Significant Incident	Other Atmospheric Pollutant
17/10/2011	98m Northwest	Category 2 – Significant Incident	Other Atmospheric Pollutant
02/10/2007	108m Northwest	Category 2 – Significant Incident	General Biodegradable – Other
19/09/2007	108m Northwest	Category 2 – Significant Incident	General Biodegradable – Other
17/08/2012	95m North	Category 2 – Significant Incident	Atmospheric pollutant - Effects on humans
13/08/2012	95m North	Category 2 – Significant Incident	Atmospheric Pollutant - Smoke
08/09/2011	95m North	Category 1 – Major Incident	Other Atmospheric Pollutant

2.4.6 Sensitive Land Use

The site is not located within a sensitive land use area.

2.4.7 Industrial Land Use

Relevant contemporary trade directory entries recorded within proximity of the site are summarised in **Table 2.6**.

Table 2.6 Relevant Contemporary Trade Summary

Company	Distance/Direction from site	Classification	Status
Swansea NHS Trust	On Site	Hospitals	Inactive

2.4.8 Infilled Land

Potentially infilled land features within 250m of the site are summarised in **Table 2.7**.

Table 2.7 Potentially Infilled Land

Feature	Distance/Direction from site
Infilled land (Non Water)	52m South
Infilled land (Non Water)	146m Northeast
Infilled land (Non Water)	211m Southeast

Infilled land (Non Water)	231m North
Infilled land (Water)	On Site
Infilled land (Water)	5m Southeast
Infilled land (Water)	39m Southwest
Infilled land (Water)	50m West
Infilled land (Water)	51m Northwest
Infilled land (Water)	131m South
Infilled land (Water)	146m South
Infilled land (Water)	150m North

Preliminary Coal Mining Risk Assessment

2.5 Underground Mining

Based upon geological map data, the stratigraphical sequence within 30m of the ground surface of the site is illustrated in **Figure 0.1**.

Holocene	Residual Soils	2.00m
South Wales Upper Coal Measures	Swansea Member - Sandstone	
	Coal – Tir Edmond/Little Coal Seam	<5m
	Swansea Member - Sandstone	
	Coal – Graigola Seam	7-17m
	Swansea Member - Sandstone	30.00m

Figure 0.1 Geology and Strata Base below Ground Level

A Coal Authority Mining Report was obtained for the site. The report states that the site is not within the zone of likely physical influence on the surface from past underground workings. There is no past mining recorded and no probable unrecorded shallow workings.

The Coal Authority report states that the Swansea No.3 outcrop is present 25m west with strike orientated to the north-northeast from this position. The geological map positions the Graigola coal seam in a similar area and orientation to the Coal Authority recorded Swansea No.3 outcrop north of site. Although, unlike the Coal Authority recorded position of the Swansea No.3 seam, the Graigola seam is not shown immediately west where the Dyffryn Fault is anticipated which may also explain this discrepancy. The BGS Lexicon confirms that the Graigola and the Swansea 3ft (or Golden) coal seams are one and the same, therefore it is interpreted that the Swansea No.3 seam, as recorded on the Coal Authority Report is indeed the Swansea 3ft seam. Allowing for a 15-degree dip to the east from the location identified within the Coal Authority report, the Graigola coal seam would subcrop approximately 7-17m below the site depending on elevation of the outcrop.

The records from the Dyffryn Main Colliery Pit No.1 (SN70SW21) puts the thickness at 90cm. Generally, the seam has been mined along the strike, and north of the site a fault has been mapped within the seam, suggesting that the Graigola has been worked at depth within the area.

The Geological Memoir for the area, South Wales coalfield - Gwendraeth Valley & adjoining areas, states that the Swansea 3ft was mined extensively in Llanelli to the west, no mention is made as to mining extents in the eastern areas.

The next younger seam in the stratigraphic sequence above the Graigola seam is the Tir Edmond Coal/Little Coal seam. This would correlate with the unnamed coal seam outcropping on site as reported by the Coal Authority. The Graigola seam is mined within the Dyffryn Main Colliery Pit No.1 some 3km south and puts the Tir Edmond 21m above the Graigola seam. Assuming some small variation in height above the Graigola seam, it is possible that the Tir Edmond seam outcrops, or subcrops at shallow depth beneath the site. The thickness shown within the logs suggest two leaves, the thickest being 1.2m thick. This would have been a viable seam to mine.

2.6 Shafts & Adits

The Coal Authority Report states there are no known mine entries within 100m of the site.

2.7 Conclusion

Given the known workings with the Graigola to the north of the site the risk of unrecorded shallow workings within the Graigola coal seam beneath the site cannot be ruled out.

Measures to quantify this risk are presented in the following sections.

2.8 Mine Gas Risk assessment

There is a possibility for mine workings within 150m depth of the site, which presents a potential source of mine gas to the proposed development. A detailed mine gas risk assessment being required

SECTION 3 Preliminary Human Health and Environmental Risk Assessment

3.1 General

The preliminary human health and environmental risk assessment is a qualitative evaluation of unacceptable risks to human health or the environment from potential 'contaminated land', based on reviewed information in preceding sections of this report.

For 'contaminated land' to exist as defined in Part 2A of the Environmental Protection Act (EPA) 1990, a Pollutant Linkage needs to be identified. Pollutant linkages are defined by having a valid 'source – pathway – receptor' as established in the preliminary conceptual site model.

For our definitions of pollution linkage and how we define risk please refer to **Annex C** which includes our classifications of consequence and probability, and risk assessment matrix.

3.2 Potential Sources of Contamination

Potential or known sources of contamination associated the sites current and historical land use are summarised in **Table 3.1**.

Table 3.1 Contamination Sources

ID	Source	Contaminant
S1	Historical building – possible made ground associated with the building and extensions of the old NHS buildings	Toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), hydrocarbons, sulphate, Asbestos
S2	Mine Gas – migration to surface of hazardous gasses from unflooded mine workings	Methane and carbon dioxide

5.2.1 Omitted Potential Sources

Several potential sources of contamination highlighted in this Phase 1 Desk Study have been excluded from further risk assessment. These are listed in **Table 3.2**.

Table 3.2 Omitted Contamination Sources

Source	Reasoning
Pollution incidents	Most of the listed pollution incidents consist of minor incidents which would have been dealt with at source and therefore unlikely to influence the site. There is also a significant distance between the pollution events and site
Infilled Land	The majority of the infilled land cases presented in envirocheck are of an insignificant size and a significant distance away from site. Additionally, many have rivers between the sources and site. The infilled land on site is a small stream infilled before 1918 to act as access for the isolation hospital. Given that the potential feature is located in a developed area, it is unlikely that any degradable materials with gas generation potential would be used to infill the feature.

3.3 Potential Pollution Pathways

Potential contaminant pathways associated with a **residential with home grown produce land use** are as follows.

- P1 – Direct soil and dust ingestion
- P2 – Consumption of home grown produce
- P3 – Dermal contact
- P4 – Inhalation of dust and vapours
- P5 – Vertical migration of leachates (unsaturated zone)
- P6 – Horizontal and vertical migration of contaminants (saturated zone)
- P7 – Artificial contaminant pathway (borehole, pile, excavation etc)
- P8 – Surface run-off
- P9 – Plant uptake
- P10 – Horizontal and vertical migration of ground gasses and vapours
- P11 – Direct contact with construction materials
- P12 – Inhalation of asbestos fibres

3.4 Potential Receptors

There are human and hydrological receptors to any contamination that may be present on site. Potential receptors include.

- R1 – Construction and maintenance workers
- R2 – Future site users (residents)
- R3 – Passers-by or neighbouring site users
- R4 – Groundwater (aquifer)
- R5 – Surface waters (river/lake)
- R6 – Area of public open space
- R7 – Construction materials (concrete/potable water pipes)

3.5 Preliminary Conceptual Site Model

The preliminary conceptual site model establishes potential pollutant linkages between contaminants (source), pathways and receptors, realised during the preparation of the desk study report. Where a potential pollutant linkage is identified an assessment of risk is subsequently undertaken. The preliminary conceptual site model is tabulated in **Table 3.3**.

Outcomes of the preliminary conceptual site model are used as a basis for the design and implementation of the site investigation, whereby areas of potential contamination can be targeted as well as investigating the wider site.

Findings of the site investigation can in turn be used to develop and refine the conceptual site model.

5.6 Data Gaps and Uncertainties

Key data gaps and uncertainties identified in the preliminary conceptual site model at desk study stage include:

- There are no previous site investigations available for the site, therefore no information is available on actual concentrations of contaminants in soil and groundwater at this stage
- Groundwater depth and flow direction are conceptual at this stage

Table 3.3 Preliminary Conceptual Site Model

Source	Pathway	Receptor	Preliminary Risk Assessment		
			Consequence	Probability	Risk
Human Health					
Made Ground Soils S1	Direct soil and dust ingestion P1 Dermal contact P3 Inhalation of dust and vapours P4 Asbestos Inhalation P12	Construction and maintenance workers R1	Medium	Likely	Medium Risk - COSHH assessment and good level of PPE/ hygiene by site workers/ staff; dust suppression measures may be required.
		Passers-by or neighbouring site users R3	Medium	Unlikely	Near Zero Risk – Construction activities unlikely to generate large amounts of dust. This should be managed by good construction practice
		Future site users (staff and visitors) R2	Medium	Likely	Medium risk - There is a potential for contamination to be present, given the likelihood of credible contamination sources. - Sampling should be undertaken under the footprint of the new buildings/old demolished extension
Mine Gas S2	Horizontal and vertical migration of ground gasses and vapours P10	Future site users (student and staff) R2, Construction and maintenance workers R1	Severe	Low Likelihood	Medium Risk – Coal mining risk assessment recommended
Impacted Groundwaters S1	Horizontal and vertical migration of contaminants (saturated zone) P6 Dermal contact P3	Construction and maintenance workers R1	Medium	Unlikely	Low Risk
Made Ground Soils S1	Direct Contact P11	Construction materials (water pipes) R7	Mild	Low Likelihood	Low Risk
Aggressive ground conditions - Sulphates S1		Construction materials (concrete) R7			
Aquatic Environment					
Made Ground Soils S1	Vertical migration of leachates (unsaturated zone) P5	Groundwater (aquifer) R4 Surface waters (river/lake) R5	Mild	Low Likelihood	Near Zero Risk
	Surface run-off P8	Surface waters (river/lake) R5			

SWP Ltd

	Horizontal and vertical migration of contaminants (saturated zone) P6				
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SECTION 4 Anticipated Ground Conditions

4.1 Geology

Based on the available desk study information anticipated ground conditions at the site are summarised in **Table 4.1**.

Table 4.1 Anticipated Ground Conditions

Stratum	Depth (m)
Residual Soils	~1-5m
Coal Measures, Swansea member Sandstone	>200.00

4.2 Groundwater

There is a small stream on site and bedrock aquifer is a secondary aquifer. Precise depths of ground water are unknown at this time.

SECTION 5 Preliminary Engineering Recommendations

Recommendations given in this section are based upon the available desk study information and need to be confirmed by a relevant intrusive investigation.

5.1 Preparation of Site

Prior to site works commencing an appropriate asbestos survey should be carried out in the existing building. Any asbestos containing materials identified should be removed and disposed of at appropriate landfill facility by a specialist contractor.

Areas of vegetation including all roots should be stripped and removed from beneath the proposed development site.

Allowances should be made for any temporary/permanent support works to any existing adjacent structure necessary as a result of the proposed works.

Contingencies should be made for the protection/diversion of any underground/overhead services present beneath/above the site brought about as a result of the proposed works.

Any reduced levels should be brought up to the required levels with suitable inert mainly granular materials. Department of Transport (DTp) type 2 sub-base or similar should be used and compacted in layers to the requirements of the Specification for Highway Works.

Allowances should also be made for the excavation of any soft spots/areas and their replacement with well compacted imported granular materials.

In accordance with EC Regulation 1272/2008 and Environment Agency Guidance WM3 soils and other materials destined for off-site disposal should be classified on the basis of their hazard phrases prior to disposal. Soils are classified as a mirror entry waste and should be classified on the basis of their specific chemical properties. Terra Firma (Wales) Ltd offer this service if required.

5.2 Tentative Foundation and Floor Slab Solution

Based upon the available desk study information, provided the recommended mining investigation shows no evidence of unrecorded shallow workings then it is likely that a traditional foundation consisting of mass concrete strips/trench fill and/or pad foundations will be feasible for future development on site. An allowable bearing capacity in the region of 100kPa to 150kPa will likely be achieved.

Allowances should be made for the removal of any 'soft spots' and their replacement with well-compacted granular materials. Department of Transport (DTp) Type 2 materials or similar could be used and should be compacted in layers to the specification for Highway Works.

All foundation formations should be inspected by a suitably qualified Engineer before being concreted.

5.3 Excavations and Formations

Shallow excavations will likely be possible with normal soil excavating machinery.

Excavations may encounter shallow groundwater flows. Any inflows together with rainwater infiltration should be dealt with by conventional pumping techniques.

The sides of any excavations deeper than 1.2m should be supported by planking and strutting or other proprietary means.

The sub-formations/formations will be highly susceptible to loosening, softening and deterioration by exposure to weather (rain, frost and drying conditions), the action of water (flood water or removal of groundwater) and site traffic. Formations should never be left unprotected and continuously exposed to rain causing degradation, or left exposed/uncovered overnight, unless permitted by a qualified engineer.

Construction plant and other vehicular traffic should not be operated on unprotected formations.

5.4 Protection of Buried Concrete

Within BRE Special Digest 1 the chemical agents that aggressively attack concrete are sulphate, sulphides, magnesium ions, ammonium ions, carbon dioxide, chloride ions and phenols.

Aggressive ground conditions may be encountered at the site.

It is recommended that soils are tested to facilitate a classification.

5.5 Access Roads and Car Parking Areas

For car parking and road area formations the CBR value for shallow soils should be determined by in-situ CBR testing.

Allowances should be made for the removal of any 'soft spots/areas' and their replacement with well-compacted granular materials as previously described.

Please note that the Local Council / Highways Authority may require in-situ CBR testing to be undertaken before a road is adopted. In-situ CBR Testing should be performed following earthworks to verify the performance of the engineered fill.

5.6 Storm Water Drainage

Soakaway drainage is unlikely to be viable due to superficial deposits being recorded on site.

The suitability of stormwater drainage should however be confirmed by in-situ soakaway testing.

Proposed soakaways should be positioned at least 5.0m away from any structure.

SECTION 6 Recommended Site Investigation

6.1 General

An intrusive site investigation designed and justified in accordance with guidance provided in BS10175:2011+A2:2017 should be undertaken to achieve the following objectives:

- Identify the potential environmental liabilities at the site associated with any soil, gas, vapours and groundwater contamination from past site uses, to substantiate and enhance the conceptual site model, for a residential with home grown produce scenario.
- Provide a summary of the environmental conditions at the site, together with any necessary remediation works to render the site fit for its intended use.
- Provide recommendations regarding any relevant geotechnical aspects pertaining to the development.

6.2 Intrusive Investigation

It is recommended that an intrusive investigation is undertaken to inspect the ground conditions, to take soil samples for laboratory chemical and geotechnical testing, and to confirm the presence of the Tir Edmond and Graigola coal seam beneath site. It is perceived dynamically sampled boreholes and rotary probeholes will be suitable to investigate the site.

If required CBR and soakaway testing should also be carried out during the intrusive investigation to avoid additional mobilisation costs later.

6.3 Soil Sampling Strategy

Soil sampling locations should be selected on a non-targeted basis to characterise the contamination status of the site beneath the proposed new dwellings.

6.4 Recommended Soil Chemical Analysis

It is recommended that soil samples be taken of the made ground and underlying natural materials and tested at an accredited laboratory for the determinants listed in **Table 6.1**.

Table 6.1 Soil Laboratory Analysis

Metals & Metalloids	In-Organics	Organics	Others
Arsenic	Cyanide	Phenols	pH (acidity)
Cadmium	Sulphate	PAH	Asbestos
Chromium III		Petroleum Hydrocarbons	
Chromium VI			
Copper			
Lead			
Mercury			
Nickel			
Selenium			
Zinc			

Soil samples exhibiting elevated levels of metal and metalloid determinands should be further schedule for leachate testing of the offending substance.

6.5 Coal Mining Legacy Features

An intrusive ground investigation comprising water flush rotary boreholes will be required under a Coal Authority Permit to establish the presence and exact depth of the coal seams beneath the buildings.

Given the size of the extension it is considered that 6 rotary probeholes each (3 per building) sunk to a depth of 30m should provide the necessary information.

The findings of the investigation will determine what if any remedial measures are required to stabilise the workings prior to development.

6.6 Recommended Mine Gas Assessment

If mine workings are encountered it is recommended that gas wells are installed within the voids.

Installations should be tested for carbon dioxide, methane, oxygen, hydrogen sulphide and carbon monoxide using a suitable gas analyser. Atmospheric pressure and gas flow should also be recorded.

With reference to CIRIA C665:2007 Tables 5.5a and 5.5b, it is considered that a gas monitoring programme comprising 6 visits over a 3 month period sufficient, however, this may need to be extended to a larger programme of 9 visits over 6 months if any concerns are raised during the initial monitoring period. At least two sets of readings should be at low and falling atmospheric pressure.

**ANNEX A
Envirocheck Report**

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

333014159_1_1

Customer Reference:

CA-O26-24JR

National Grid Reference:

273660, 204320

Slice:

A

Site Area (Ha):

0.76

Search Buffer (m):

1000

Site Details:

Site at 273640, 204320

Client Details:

Ms J Rual
TFW Group Ltd
5 Deryn Court
Wharfdale Road
Pentwyn
Cardiff
CF23 7HB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	36
Hazardous Substances	-
Geological	40
Industrial Land Use	55
Sensitive Land Use	63
Data Currency	65
Data Suppliers	71
Useful Contacts	72

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		6	2	11
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 7			1	
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7			1	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7	Yes			
Pollution Incidents to Controlled Waters	pg 7		13	2	11
Prosecutions Relating to Authorised Processes	pg 11		2	1	1
Registered Radioactive Substances					
River Quality	pg 12			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 12		12	2	1
Water Abstractions	pg 14				(*6)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 16	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 16	1	22	36	110

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 36			2	
Local Authority Landfill Coverage	pg 36	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 36		4	2	9
Potentially Infilled Land (Water)	pg 37	1	7	3	27
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 39			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 40	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 40	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 49		3	8	17
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 54	Yes	n/a	n/a	n/a
Mining Instability	pg 54	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 54	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 54	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 54		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 54		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 55	1		7	20
Fuel Station Entries	pg 57			1	
Points of Interest - Commercial Services	pg 57		1	4	6
Points of Interest - Education and Health	pg 58	3			
Points of Interest - Manufacturing and Production	pg 58			8	17
Points of Interest - Public Infrastructure	pg 61		3	4	3
Points of Interest - Recreational and Environmental	pg 61			2	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 63		1	2	14
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	0	1	273657 204323
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	19	1	273657 204250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	54	1	273550 204300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	65	1	273550 204250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	127	1	273500 204400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	197	1	273450 204450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	202	1	273400 204323
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	216	1	273400 204400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	230	1	273450 204500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	308	1	273450 204600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	321	1	273650 204700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	331	1	273600 204700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	348	1	273550 204700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	372	1	273850 203950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	379	1	273600 204750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	415	1	273500 204750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	418	1	273250 204550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	420	1	273650 204800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	421	1	273200 204450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	428	1	273600 204800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	439	1	273450 204750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	442	1	273550 204800

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)	468	1	273657 204850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	469	1	273700 204850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	472	1	273750 204850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	477	1	273600 204850
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso Adj 97 Craig Rd Gellinudd, 25 Lon Catwg, Pontardawe, Swansea, Sa8 3du Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0288501 Permit Version: Not Supplied Effective Date: 21st October 2019 Issued Date: 21st October 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Un-Named Tributary Of Nant Gelli-Nedd Status: Effective Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	69	2	273580 204207
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso Adj 97 Craig Rd Gellinudd, Pontardawe, Swansea Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp028850101 Permit Version: 1 Effective Date: 3rd January 2001 Issued Date: 3rd January 2001 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib - Nant Gelli Nedd Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	72	2	273570 204210
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso Adj 97 Craig Rd Gellinudd, Pontardawe, Swansea Authority: Natural Resources Wales Catchment Area: TAWC - CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bp0288501 Permit Version: 1 Effective Date: 3rd January 2001 Issued Date: 3rd January 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib - Nant Gelli Nedd Status: Effective Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	72	2	273570 204210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso Adj 97 Craig Rd Gellinudd, Pontardawe, Swansea Authority: Natural Resources Wales Catchment Area: TAWC - CONFLUENCE WITH TWRCH TO TIDAL LIMIT Reference: Bp0288501 Permit Version: 1 Effective Date: 3rd January 2001 Issued Date: 3rd January 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib - Nant Gelli Nedd Status: Effective Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	72	2	273570 204210
2	Discharge Consents Operator: The Occupier Property Type: Undefined Or Other Location: Hunters Lodge New Road Gellinudd Po, New Road Gellinudd Pontardawe Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bd0026001 Permit Version: 1 Effective Date: 11th July 1975 Issued Date: 11th July 1975 Revocation Date: 26th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Soakaway Nr Trib Of River Tawc Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A13SE (S)	179	2	273700 204100
3	Discharge Consents Operator: Cotton J Property Type: Undefined Or Other Location: Glyndyle Farm Alltwn Pontardawe Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bf0214101 Permit Version: 1 Effective Date: 18th January 1979 Issued Date: 18th January 1979 Revocation Date: 22nd April 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Nr. Nant Gellinedd Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	248	2	273500 204560
4	Discharge Consents Operator: Lliw Valley Borough Council Property Type: Undefined Or Other Location: Pontardawe Glanrhyd Site Swansea Authority: Natural Resources Wales Catchment Area: River Tawc Reference: Bp0009001 Permit Version: 1 Effective Date: 10th February 1986 Issued Date: 10th February 1986 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Tawc Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	420	2	273400 204700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Lliw Valley Borough Council Property Type: Undefined Or Other Location: Pontardawe Glanrhyd Site Nr Pontard, Glanrhyd Site Nr Pontardawe Inds, Indst Est Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0009003 Permit Version: 1 Effective Date: 10th February 1986 Issued Date: 10th February 1986 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Tawe Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	478	2	273300 204700
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Water Supply Grid Location: Rhos S.Res Chl.Overflow Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0199101 Permit Version: 1 Effective Date: 2nd October 1989 Issued Date: 2nd October 1989 Revocation Date: 16th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	514	2	273400 203800
7	Discharge Consents Operator: Lliw Valley Borough Council Property Type: Undefined Or Other Location: Pontardawe Glanrhyd Site Nr Pontard, Glanrhyd Site Nr Pontardawe Inds, Indst Est Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0009005 Permit Version: 1 Effective Date: 10th February 1986 Issued Date: 10th February 1986 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Nant Cwm Sion Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	549	2	273200 204700
8	Discharge Consents Operator: Lliw Valley Borough Council Property Type: Undefined Or Other Location: Pontardawe Glanrhyd Site Nr Pontard, Glanrhyd Site Nr Pontardawe In Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0009002 Permit Version: 1 Effective Date: 10th February 1986 Issued Date: 10th February 1986 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Nant Cwm Sion Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	619	2	273200 204800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Water Supply Grid Location: Brynllwellyn Chl.Overf Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0174001 Permit Version: 1 Effective Date: 2nd October 1989 Issued Date: 2nd October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	649	2	273300 203700
10	Discharge Consents Operator: Mr H M Rees Property Type: Domestic Property (Single) Location: 1 Tai Dan Yr Eglwys Cilybebyll Pont, Cilybebyll Pontardawe Swansea Authority: Natural Resources Wales Catchment Area: Not Given Reference: BM0040601 Permit Version: 1 Effective Date: 24th September 1984 Issued Date: 24th September 1984 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Land/Soakaway Environment: Receiving Water: To Underground Strata Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	674	2	274300 204690
11	Discharge Consents Operator: Lliw Valley Borough Council Property Type: Undefined Or Other Location: Pontardawe Glanrhyd Site Nr Pontard, Glanrhyd Site Nr Pontardawe Inds, Nr Pontardawe Indst Es Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0009006 Permit Version: 1 Effective Date: 10th February 1986 Issued Date: 10th February 1986 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Tawe Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NW (W)	706	2	272900 204400
12	Discharge Consents Operator: Mr J C Davies Property Type: Domestic Property (Single) Location: Rhos Meadow Rhos Pontardawe Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BM0048801 Permit Version: 1 Effective Date: 2nd August 1985 Issued Date: 2nd August 1985 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Into Land Environment: Receiving Water: To Land Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	708	2	274000 203650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: The Occupier Property Type: Undefined Or Other Location: Rhos Meadow Rhos Pontardawe Swansea, Rhos Pontardawe Swansea. Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0109601 Permit Version: 1 Effective Date: 1st December 1988 Issued Date: 1st December 1988 Revocation Date: 16th September 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	752	2	274000 203600
13	Discharge Consents Operator: Lliw Valley Borough Council Property Type: Undefined Or Other Location: Pontardawe Glanrhyd Site Nr Pontard, Glanrhyd Site Nr Pontardawe Inds, Nr Pontardawe Indst Est Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0009004 Permit Version: 1 Effective Date: 10th February 1986 Issued Date: 10th February 1986 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Tawe Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	710	2	273000 204700
14	Discharge Consents Operator: Mr Jeffery Evans Property Type: Domestic Property (Single) Location: Church Villa Cilybebyll Pontardawe, Cilybebyll Pontardawe Swansea Authority: Natural Resources Wales Catchment Area: Not Given Reference: BM0044101 Permit Version: 1 Effective Date: 3rd April 1985 Issued Date: 3rd April 1985 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Land/Soakaway Environment: Receiving Water: Underground Strata Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A14NE (E)	729	2	274400 204600
15	Discharge Consents Operator: The Occupier, Property Type: Undefined Or Other Location: 1 Llanquicke Road Ynysmeudwy Pontar, Ynysmeudwy Pontardawe. Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bf0200501 Permit Version: 1 Effective Date: 9th August 1978 Issued Date: 9th August 1978 Revocation Date: 22nd April 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Nr. River Tawe Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	947	2	273050 205100
16	Prosecutions Relating to Controlled Waters Location: Graig Gellinudd, Pontardawe Prosecution Text: Illegally storing and treating household waste - Ten month suspended prison sentence served Prosecution Act: Epa90 S33 Hearing Date: 17th July 2006 Verdict: Guilty Fine: 0 Cost: 1826 Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	26	4	273695 204407

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Enforcement and Prohibition Notices Location: Lon Hir, Alltwen, Pontadawe, SWANSEA, SA8 3DE Permit Reference: Not Supplied Enforcement Date: 21st March 2002 Details: Notice Served For Required Improvements To Site Security, Infrastructure & Reduction Of Waste Quantity. Positional Accuracy: Manually positioned to the address or location	A12NE (W)	436	4	273170 204382
18	Local Authority Pollution Prevention and Controls Name: Rhos Meadow Limited Location: 39 New Road, Gellinudd Pontardawe, SWANSEA, West Glamorgan, SA8 3DY Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/78 Dated: 26th February 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A8NE (S)	399	3	273682 203876
19	Local Authority Pollution Prevention and Controls Name: Wall Colmonoy Limited Location: Alloy Industrial Estate, Pontardawe, SWANSEA, West Glamorgan, SA8 4HL Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/56 Dated: 18th November 1997 Process Type: Local Authority Air Pollution Control Description: PG6/35 Metal and other thermal spraying processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A12SW (W)	893	3	272719 204184
	Nearest Surface Water Feature	A13NE (NE)	0	-	273694 204379
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blocked Sewer Incident Date: 30th October 1994 Incident Reference: 21650 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	12	4	273700 204300
21	Pollution Incidents to Controlled Waters Property Type: Council Premises Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Blocked Sewer Incident Date: 23rd April 1991 Incident Reference: 186 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	21	4	273700 204400
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Gellinedd Cso Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 21st April 1996 Incident Reference: 28286 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	A13SW (W)	54	4	273550 204300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 25th December 1991 Incident Reference: 1800 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	104	4	273500 204300
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 27th September 1995 Incident Reference: 26348 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	A13SE (S)	82	4	273700 204200
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Footpath Off Main Road, From Alltwn To Rhos-Forth, Layby On Left Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Nant Gelli Nedd; Leakage Incident Date: 11th February 1998 Incident Reference: 34778 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	A13NW (NW)	88	4	273550 204400
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Footpath Of Main Road, From Alltwn To Rhos, Forth Layby On Left Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe - Nant Gelli Nedd; Leakage Incident Date: 23rd February 1998 Incident Reference: 34938 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	A13NW (NW)	120	4	273505 204395
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Graig Road, Alltwn Where Pipe, Crosses Over River Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe; Leakage Incident Date: 5th February 1998 Incident Reference: 34965 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	A13NW (NW)	124	4	273500 204395
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Oils - Other Oil Note: Not Supplied Incident Date: 13th June 1991 Incident Reference: 907 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	A13NW (NW)	127	4	273500 204400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Adjacent To 81 Graig, Road Gelli Nedd, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Blocked Sewer Incident Date: 25th March 1992 Incident Reference: 3865 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	131	4	273500 204200
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Inadequate Design/Capacity Incident Date: 23rd April 1992 Incident Reference: 4437 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	147	4	273800 204200
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Below Hospital In Alltwn, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Nant Gellinedd; Leakage Incident Date: 1st April 1998 Incident Reference: 35251 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A13NW (W)	216	4	273400 204400
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Alltwn - Forth Layby From, Pontardawe Roadbridge To, Rhos (A474) Footpath Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe - Unnamed Tributary ; Leakage Incident Date: 30th January 1998 Incident Reference: 34981 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Neglect Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	223	4	273400 204200
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: At Alltwn, Old Peoples Home, Graig Road Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage Incident Date: 17th April 1997 Incident Reference: 31869 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	A12SE (W)	319	4	273300 204200
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Petrol Garage, Gellinedd Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 21st April 1996 Incident Reference: 28658 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	470	4	273650 203800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Pollution Incidents to Controlled Waters Property Type: Council Premises Location: A4 Crossing, Tawe Below, Lanhir Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Blocked Sewer Incident Date: 2nd September 1991 Incident Reference: 1456 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	508	4	273100 204400
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: 89 Graig Road, Gellinidal Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 30th May 1995 Incident Reference: 24221 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	A12SE (SW)	668	4	273000 204000
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Ponty Bypass, Rear Snack Bar, Lt Bank-Stream From Alltwen Side Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Tributary Of River Tawe; Overflow Incident Date: 16th December 1997 Incident Reference: 34396 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	670	4	273000 203995
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Behind 123 Delfordd, Comes From A Building Site, RHOS Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Neglect Incident Date: 13th May 1997 Incident Reference: 32330 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	A8SW (S)	777	4	273500 203500
34	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Pontardawe At, Cinders Pool Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: River Tawe Incident Date: 20th April 1998 Incident Reference: 35536 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	A12NW (W)	805	4	272800 204400
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Near Gwyn Hotel, St Marys Church, PONTARDULAI Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 18th July 1996 Incident Reference: 29201 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	A12NW (W)	905	4	272700 204400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Off Bryn Morgrug, Path At End Of Lane, Running Accross Field Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Tawe; Overflow Incident Date: 12th November 1997 Incident Reference: 34268 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (S)	923	4	273300 203400
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: In Rear Of 127 Delffordd, Rhos, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Poor Management Incident Date: 24th June 1997 Incident Reference: 32917 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	A9SW (SE)	976	4	274100 203400
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Stream, Below Wimpey Site Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Llan Llechau Brook (Tributary Of River Tawe); Run-Off Incident Date: 10th July 1997 Incident Reference: 32990 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	A9SW (SE)	978	4	274105 203400
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Stream Below, Building Developments Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Poor Management Incident Date: 24th June 1997 Incident Reference: 32917 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	A9SW (SE)	981	4	274100 203395
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: In Rear Of 127 Delffordd, Rhos, PONTARDAWE Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Tributary Of Nant Y Llechau; Run-Off Incident Date: 24th June 1997 Incident Reference: 32917 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	A9SW (SE)	983	4	274105 203395
38	Prosecutions Relating to Authorised Processes Location: Graig Gellinudd, Pontardawe Prosecution Text: Dumping and burning controlled waste on land without a WML - 8 month prison sentence served Prosecution Act: Epa90 S33 & S34 Hearing Date: 12th January 2005 Verdict: Guilty Fine: 0 Costs: 0 Positional Accuracy: Manually positioned within the geographical locality	A13NW (N)	28	4	273651 204391

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	Prosecutions Relating to Authorised Processes Location: Graig Gellinudd, Pontardawe, Sa8 3hp Prosecution Text: Storing and burning of controlled waste in contravention of the held waste management licence - suspended prison sentence served Prosecution Act: Epa90 S33 & S34 Hearing Date: 10th May 2004 Verdict: Guilty Fine: 0 Costs: 4500 Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	47	4	273655 204415
39	Prosecutions Relating to Authorised Processes Location: Old Aladdin Works, Alltwen, Pontardwe, Swansea, Mid Glamorgan, Sa8 3de Prosecution Text: Skips Full Of Waste Left Outside The Site Prosecution Act: Epa90 S33(1)(A) & S33(1)(B) Hearing Date: 20th February 1812 Verdict: Guilty Fine: 6000 Costs: 1596 Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	465	4	273138 204352
40	Prosecutions Relating to Authorised Processes Location: Gwyns Drift Mine, Pontardawe, Sa8 Prosecution Text: Burning Of Waste On Land Not Benefitting From The Correct Licence Prosecution Act: Epa90 S33(1c) Hearing Date: 3rd September 2002 Verdict: Guilty Fine: 700 Costs: 1861 Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	787	4	274034 205090
	River Quality Name: Tawe GQA Grade: River Quality A Reach: Conf. Upper Clydach-Conf.Nant Cwm Ddu Estimated Distance (km): 2.8 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000	A18SW (NW)	396	4	273425 204687
	River Quality Name: Swansea Canal GQA Grade: River Quality A Reach: Outfall To Tawe - Intake From Tawe Estimated Distance (km): 10.5 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A17SE (NW)	750	4	273064 204850
41	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 23rd August 2011 Incident Reference: 916311 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Fumes	A13NE (N)	50	2	273691 204432
42	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 3rd October 2012 Incident Reference: 1043886 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Fumes Pollutant: Atmospheric Pollutants and Effects: Smoke Pollutant: Specific Waste Materials: Household Waste	A13NW (NW)	91	2	273592 204431
42	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 6th July 2012 Incident Reference: 1009694 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A13NW (NW)	91	2	273592 204431

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 26th November 2011 Incident Reference: 943812 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Other Atmospheric Pollutant Or Effect	A13NW (NW)	91	2	273592 204431
42	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 1st August 2007 Incident Reference: 519333 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A13NW (NW)	91	2	273592 204431
42	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 18th October 2011 Incident Reference: 933348 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Other Atmospheric Pollutant Or Effect	A13NW (N)	94	2	273611 204445
42	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 17th October 2011 Incident Reference: 933019 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Other Atmospheric Pollutant Or Effect	A13NW (NW)	98	2	273593 204439
42	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 2nd October 2007 Incident Reference: 535512 Water Impact: Category 3 - Minor Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A13NW (NW)	108	2	273567 204436
42	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 19th September 2007 Incident Reference: 532755 Water Impact: Category 3 - Minor Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A13NW (NW)	108	2	273571 204439
43	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 17th August 2012 Incident Reference: 1027417 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Effects On Humans	A13NW (N)	95	2	273638 204461
43	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 13th August 2012 Incident Reference: 1025614 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke	A13NW (N)	95	2	273638 204461

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 8th September 2011 Incident Reference: 921196 Water Impact: Category 3 - Minor Incident Air Impact: Category 1 - Major Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Other Atmospheric Pollutant Or Effect	A13NW (N)	95	2	273638 204461
44	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 13th July 2001 Incident Reference: 28798 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A12NE (W)	400	2	273212 204413
44	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 15th January 2002 Incident Reference: 52488 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m Pollutant: Inert : Other	A12NE (W)	409	2	273200 204400
45	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 3rd March 2015 Incident Reference: 1317716 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: Contaminated Water: Suspended Solids	A12SW (W)	852	2	272798 204018
	Water Abstractions Operator: British Waterways Board Licence Number: 22/59/1/0107 Permit Version: 100 Location: Swansea Canal Swansea Valley Authority: Environment Agency, Welsh Region Abstraction: Water Supply Related: Effluent/Slurry Dilution Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swansea Canal Swansea Valley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SE (W)	1195	4	272430 204080
	Water Abstractions Operator: Mr B Thomas Licence Number: 22/59/1/0014 Permit Version: 100 Location: Underground Source At Gellyfowy 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: Underground Source At Gellyfowy Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NE (N)	1694	4	273050 205950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Pontardawe Golf Club Licence Number: 22/59/1/0111 Permit Version: 101 Location: Trib Of The Upper Clydach Authority: Natural Resources Wales Abstraction: Golf Courses: Spray Irrigation - Storage 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 November Authorised End: 31 March Permit Start Date: 29th August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1753	2	272090 205210
	Water Abstractions Operator: Pontardawe Golf Club Licence Number: 22/59/1/0111 Permit Version: Not Supplied Location: Land At Pontardawe Golf Club Authority: Natural Resources Wales Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied 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 10m	A16NW (NW)	1753	2	272090 205210
	Water Abstractions Operator: Pontardawe Golf Club Licence Number: 22/59/1/0111 Permit Version: 100 Location: Trib Of The Upper Clydach Authority: Environment Agency, Welsh Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Trib Of The Upper Clydach Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1769	4	272060 205190
	Water Abstractions Operator: Mr D Morgan Licence Number: 22/59/1/0015/G Permit Version: 100 Location: Well In Field No. 2637 At Gellyfowy Fach Farm 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: Licenced from 01-Jan to 31-Dec Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1956	4	273080 206240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Secondary Bedrock Aquifer - Medium Vulnerability Classification: Medium Combined Vulnerability: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: <90% Patchiness: 3-10m Superficial Thickness: High Superficial Recharge: High	A13SW (S)	0	2	273657 204323
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (S)	0	2	273657 204323
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (S)	0	5	273633 204262
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (SW)	1	5	273611 204270
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NW (NW)	2	5	273634 204370
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NE (NE)	26	5	273711 204398
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NE (NE)	30	5	273713 204401

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (SW)	36	5	273573 204277
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (SW)	36	5	273573 204277
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 304.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SE (SE)	60	5	273711 204232
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NW (W)	72	5	273532 204343
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (SW)	73	5	273568 204211
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (SW)	73	5	273568 204211
57	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: Tawe Primacy: 1	A13SW (S)	117	5	273636 204155
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (S)	123	5	273648 204152
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 236.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (SW)	126	5	273564 204152

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SE (S)	148	5	273705 204133
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.5 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NE (NE)	157	5	273860 204411
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SE (S)	161	5	273716 204123
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 210.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NE (E)	165	5	273875 204387
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NE (E)	169	5	273873 204412
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NE (E)	170	5	273874 204412
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NE (E)	170	5	273874 204412
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 232.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NE (E)	215	5	273916 204426
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NE (E)	215	5	273916 204426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NW (W)	257	5	273354 204393
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NW (W)	257	5	273354 204393
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 217.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A13NW (NW)	262	5	273378 204461
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NW (NW)	262	5	273378 204461
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SE (S)	262	5	273725 204021
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NW (W)	266	5	273337 204353
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NW (NW)	267	5	273372 204459
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NW (W)	274	5	273349 204429
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13SW (SW)	279	5	273357 204156

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NW (W)	284	5	273345 204446
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SE (W)	295	5	273310 204277
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	304	5	273703 203975
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	318	5	273689 203960
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	325	5	273686 203952
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NW (E)	336	5	274050 204342
84	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: Tawe Primacy: 1	A14NW (E)	336	5	274050 204342
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A13NW (NW)	403	5	273338 204633
86	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: Tawe Primacy: 1	A12NE (NW)	416	5	273301 204613

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A14NW (E)	416	5	274112 204473
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NW (E)	416	5	274112 204473
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	421	5	273713 203858
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	421	5	273713 203858
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 652.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A18SW (NW)	430	5	273447 204738
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A12NE (W)	431	5	273204 204490
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	436	5	273716 203843
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	443	5	273703 203835
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	443	5	273707 203835

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A12NE (W)	447	5	273192 204502
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	449	5	273701 203829
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	449	5	273701 203829
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	451	5	274006 203973
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 318.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (NE)	469	5	273952 204771
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 530.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	470	5	273848 203841
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (N)	476	5	273743 204855
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.5 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A12NE (W)	478	5	273162 204510
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	487	5	273754 203797

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 129.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A12NE (W)	505	5	273134 204516
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	507	5	273794 203785
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	508	5	273788 203782
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A14NW (E)	510	5	274207 204485
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NW (E)	510	5	274206 204487
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 222.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	511	5	273802 203783
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NE (W)	514	5	273095 204410
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (SE)	514	5	273960 203852
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A18SE (N)	525	5	273710 204906

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A12NE (W)	527	5	273082 204411
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	529	5	273773 203758
116	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	530	5	273802 203763
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	542	5	273804 203752
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NW (S)	546	5	273525 203730
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	546	5	273806 203748
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A12NE (W)	548	5	273054 204340
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A12NE (W)	552	5	273050 204330
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (N)	552	5	273835 204914

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (N)	552	5	273835 204914
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 386.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (NE)	558	5	273915 204893
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NW (S)	562	5	273606 203707
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NW (S)	566	5	273622 203703
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 238.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14SW (E)	576	5	274282 204261
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A18SE (N)	591	5	273782 204966
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 165.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SE (NW)	595	5	273116 204668
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 391.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A17SE (NW)	595	5	273116 204668
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8NE (S)	606	5	273684 203667

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A12SE (W)	616	5	272992 204234
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A12SE (W)	618	5	272988 204260
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (N)	620	5	273867 204976
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (N)	620	5	273867 204976
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (N)	621	5	273858 204980
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	632	5	273651 203638
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 390.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	633	5	274104 203814
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 459.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A18NE (N)	640	5	273827 205007
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A14NE (E)	650	5	274352 204479

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 112.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	650	5	273578 203619
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 197.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SE (NE)	664	5	273957 204990
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9NW (SE)	665	5	274020 203710
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NE (N)	666	5	273923 205006
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NE (N)	666	5	273923 205006
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	667	5	272945 204444
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NE (NE)	692	5	273955 205021
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19SW (NE)	722	5	274063 205000
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19SW (NE)	723	5	274114 204968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19SW (NE)	723	5	274114 204968
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19SW (NE)	735	5	274181 204929
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 178.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19SW (NE)	735	5	274137 204966
153	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 223.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A17SE (NW)	747	5	273110 204891
154	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 430.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A18NW (NW)	747	5	273338 205040
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SE (NW)	754	5	273161 204942
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	755	5	273534 203517
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	755	5	273562 203515
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SE (NW)	756	5	273160 204944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 54.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A17SE (NW)	759	5	273001 204787
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SE (NW)	759	5	273001 204787
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 271.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SE (NW)	761	5	273155 204946
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SW (NW)	768	5	272963 204749
163	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 51.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A17SW (NW)	768	5	272963 204749
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 342.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	776	5	272854 204101
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12SW (W)	777	5	272854 204100
166	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 1234.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A17SW (NW)	778	5	272928 204712
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SW (NW)	778	5	272928 204712

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 151.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8SE (S)	784	5	273833 203510
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 496.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Tawe Catchment Name: Tawe Primacy: 1	A12SW (W)	788	5	272855 204051
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A14NE (E)	810	5	274515 204471
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NE (E)	810	5	274515 204472
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NE (E)	817	5	274517 204497
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NE (E)	817	5	274517 204497
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	823	5	272815 204562
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SW (NW)	826	5	272882 204729
176	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: Tawe Primacy: 1	A18NW (N)	831	5	273501 205191

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 201.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A18NW (N)	831	5	273501 205191
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NE (E)	842	5	274539 204521
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	847	5	273465 203434
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8SE (S)	850	5	273756 203431
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	850	5	273493 203427
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	859	5	273511 203416
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NE (E)	866	5	274554 204563
184	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	867	5	272747 204470
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	867	5	272747 204470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	869	5	273457 205218
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 163.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19NW (NE)	887	5	274172 205127
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	905	5	272698 204383
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A14NE (E)	907	5	274616 204445
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19NW (NE)	908	5	274031 205224
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19NW (N)	911	5	274024 205230
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19NW (N)	915	5	274018 205236
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NW (NW)	921	5	272974 205002
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: Underground Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8SE (S)	929	5	273719 203347

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 342.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A14NE (E)	932	5	274644 204408
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Gelli-nedd Catchment Name: Tawe Primacy: 1	A14NE (E)	935	5	274645 204435
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A8SW (S)	938	5	273505 203337
198	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NW (NW)	939	5	272977 205029
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 383.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	941	5	272661 204330
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 266.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	941	5	272661 204330
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A8SE (S)	941	5	273714 203334
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SW (NW)	957	5	272796 204839
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A3NW (S)	967	5	273499 203308

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 239.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A12NW (W)	971	5	272667 204585
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A9SW (SE)	973	5	274238 203486
206	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A23SW (N)	974	5	273620 205353
207	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 193.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Swansea Canal Catchment Name: Tawe Primacy: 1	A23SW (N)	974	5	273620 205353
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 144.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SW (NW)	980	5	272783 204862
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SW (NW)	980	5	272783 204862
210	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	980	5	273431 205327
211	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 319.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Llechau Catchment Name: Tawe Primacy: 1	A3NE (S)	987	5	273694 203285
212	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: Tawe Primacy: 1	A17NE (NW)	993	5	273041 205150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NE (NW)	995	5	273033 205147
214	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A19NW (NE)	997	5	274327 205149

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	Licensed Waste Management Facilities (Locations) Licence Number: XP3698FJ Location: D B C Site Services, Lon Hir, Alltwen, Pontardawe, N P T, Neath Port Talbot, SA8 3DE Operator Name: D B C Site Services 2005 Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Surrendered Issued: 29th September 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th July 2015 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	393	2	273217 204404
215	Licensed Waste Management Facilities (Locations) Licence Number: 34107 Location: Old Aladdin Works, Lon Hir, Alltwen, Pontardawe, SA8 3DE Operator Name: D B C Site Services 2005 Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Surrendered Issued: 29th September 1994 Last Modified: 11th June 2007 Expires: 5th April 2007 Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th July 2015 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	421	2	273191 204416
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	3	273657 204323
216	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (S)	52	-	273643 204222
217	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NE (NE)	146	-	273840 204431
218	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SE (SE)	211	-	273758 204084
219	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (N)	231	-	273644 204608
220	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NE (NE)	351	-	273926 204642
221	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (W)	394	-	273213 204254
222	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (SW)	513	-	273168 204013
223	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A18SE (N)	631	-	273866 204987
224	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	709	-	273756 203573

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
225	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NE (E)	830	-	274537 204459
226	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A19NW (NE)	859	-	274139 205114
227	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	864	-	273552 203407
228	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A18NW (N)	894	-	273424 205235
229	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NW (SW)	950	-	272878 203664
230	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17NE (NW)	974	-	273057 205137
231	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13SE (S)	0	-	273665 204288
232	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (SE)	5	-	273690 204288
233	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (SW)	39	-	273570 204277
234	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13SW (W)	50	-	273554 204298
235	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13NW (NW)	51	-	273586 204382
236	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (S)	131	-	273683 204147
237	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (S)	146	-	273644 204126
238	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (N)	150	-	273726 204528
239	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13SW (W)	252	-	273365 204219
240	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1942	A13SW (SW)	302	-	273445 204018
241	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A8NE (S)	387	-	273755 203899
242	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A9NW (SE)	534	-	274066 203916
243	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	649	-	274178 204815

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
244	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12SW (W)	682	-	272935 204169
245	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12SW (W)	692	-	272927 204159
246	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12SW (W)	695	-	272916 204205
247	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12SW (W)	710	-	272904 204181
248	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A19SW (NE)	737	-	274154 204955
249	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A8SE (S)	781	-	273839 203514
250	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8SE (S)	784	-	273783 203502
251	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A19NW (NE)	794	-	274168 205016
252	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NE (N)	820	-	273943 205162
253	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A18NE (N)	836	-	273972 205168
254	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12NW (W)	856	-	272791 204598
255	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A17NE (NW)	868	-	273161 205080
256	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12NW (W)	896	-	272708 204391
257	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A17SW (NW)	920	-	272903 204922
258	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A17SW (W)	924	-	272744 204667
259	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A17SW (W)	953	-	272720 204685
260	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A17NW (NW)	955	-	272958 205033
261	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A17NW (NW)	963	-	272922 205008
262	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A17SW (NW)	967	-	272856 204939
263	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A7SE (S)	974	-	273285 203352
264	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A11SE (W)	977	-	272636 204175

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
265	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12SW (W)	977	-	272645 204111
266	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A17NW (NW)	991	-	272891 205017
267	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A7SE (SW)	991	-	272986 203500
268	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A7SE (SW)	991	-	273199 203368
269	Registered Waste Transfer Sites Licence Holder: J Hole - Matthews Skip Hire Services Licence Reference: 2/94 Site Location: Old Aladdin Works Lônhir, Alltwen, Pontardawe, SWANSEA, West Glamorgan, SA8 3DE Operator Location: As Site Address Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is known Dated: 29th 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 Prohibited Waste Baled Card Max.Stor Baled Paper Max.Stor Baled Shredded Plastic Max.Stor Baled Shredded Timber Max.Stor Electrical Fitting/Fixture/Appliance Glass - Brown Max.Stor Glass - Green Max.Stor Glass - White Max.Stor Light Iron Max.Stor Max.Waste Permitted By Licence Non-Ferrous Metal Scrap Max.Stor Non-Recoverable Waste Over Average Ferrous Max.Stor Plasterboard Rubber & Latex Solidified Tar/Pitch/Bitumen Sw Wales Cat. A 'Non-Decomp' Sw Wales Cat. B 'Slowly Decomp' Elemental Sodium/Potassium Highly Flam./Lpg Regs'72 Subs Metal In Fine Powder Form Percussive/Explosive/Similar Waste Refrigerators Spec.Waste (Epa'90:S62/1996 Regs) Sub'S Control. Radioactive Subs Act'60 Transformers/Capacitors/Elect'L Equip. Tyres Waste Likely/Contain Pcbs Incl. Waste N.O.S.	A12SE (W)	434	4	273170 204280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13SW (S)	0	1	273657 204323
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (S)	0	1	273657 204323
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (W)	102	1	273500 204323
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	206	1	273412 204403
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (S)	269	1	273657 204000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	287	1	274000 204323
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	320	1	274000 204500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	332	1	273500 204656
	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:	A18SW (NW)	337	1	273509 204666
	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 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	340	1	273500 204664
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (S)	352	1	273703 203927
	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 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	374	1	273232 204377
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (SE)	455	1	274035 204000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SE (N)	487	1	273792 204858
	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:	A18SE (N)	497	1	273742 204876
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SE (N)	546	1	273797 204917
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 3.0 - 6.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A9NW (SE)	557	1	274142 203972
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SE (N)	561	1	273798 204933
	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 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A14SW (SE)	567	1	274172 204000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	602	1	273000 204323
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	615	1	273000 204187
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	629	1	273553 204995
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	647	1	273500 205000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	656	1	273014 204000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	657	1	273500 205010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 3.0 - 6.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9NW (SE)	658	1	274000 203707
	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 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SE (NW)	694	1	273089 204793
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A12NW (W)	697	1	272948 204564
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 3.0 - 6.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	700	1	273907 203618
	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 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	741	1	273099 204872
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SE (NW)	744	1	273084 204862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	750	1	273929 205093
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	751	1	273301 205025
	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 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	757	1	273037 204829
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	766	1	273000 204798
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	769	1	273422 205102
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	769	1	273609 203500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SW (S)	769	1	273657 203500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A14SE (E)	787	1	274500 204317
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	789	1	273808 203500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SE (NW)	801	1	273000 204854
	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:	A18NE (N)	803	1	273983 205129
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SE (NW)	803	1	273106 204961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	805	1	273500 205164
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	811	1	273903 203500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	814	1	272843 204000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NW (NW)	822	1	272853 204662
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	830	1	273247 205084
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	835	1	273543 205203

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	838	1	273000 204909
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	844	1	274192 203612
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	844	1	272812 204619
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SE (NW)	880	1	273000 204970
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SW (NW)	892	1	272953 204938
	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:	A18NW (N)	896	1	273545 205266

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SW (NW)	973	1	272716 204725
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SW (W)	996	1	272672 204681
270	BGS Recorded Mineral Sites Site Name: Gelli-Geiros Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151626 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (S)	55	1	273649 204220
271	BGS Recorded Mineral Sites Site Name: Gelli-Nedd Arms Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151621 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	116	1	273789 204450
272	BGS Recorded Mineral Sites Site Name: Clyn-Dyle Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151620 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NE (N)	212	1	273733 204589
273	BGS Recorded Mineral Sites Site Name: Ty'N-Y-Graig Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151627 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	A13SW (SW)	321	1	273385 204042

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
274	BGS Recorded Mineral Sites Site Name: Gelli-Nedd Arms Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151662 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	350	1	273922 204644
275	BGS Recorded Mineral Sites Site Name: Ty'N-Y-Graig Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151629 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	385	1	273222 204255
276	BGS Recorded Mineral Sites Site Name: Gylli-Nedd Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151619 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	A18SE (N)	403	1	273815 204765
277	BGS Recorded Mineral Sites Site Name: Cwn-Nant-Llwyd Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151625 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	A8NE (S)	406	1	273762 203881
278	BGS Recorded Mineral Sites Site Name: Gelli-Nedd Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151593 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	A18SE (N)	437	1	273767 204812
279	BGS Recorded Mineral Sites Site Name: Ty'N-Y-Graig Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151628 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	476	1	273420 203833

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
280	BGS Recorded Mineral Sites Site Name: Cwm-Nant-Llwyd Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151594 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	500	1	273987 203889
281	BGS Recorded Mineral Sites Site Name: Ty'N-Y-Graig Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151595 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	516	1	273169 204005
282	BGS Recorded Mineral Sites Site Name: Waun-Y-Coed Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151618 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (N)	541	1	273877 204890
283	BGS Recorded Mineral Sites Site Name: Cwm Nant-Llwyd Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151668 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	A9NW (SE)	557	1	274112 203933
284	BGS Recorded Mineral Sites Site Name: Cwm-Nant-Llwyd Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151624 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	A8NE (SE)	571	1	273902 203754
285	BGS Recorded Mineral Sites Site Name: Waun-Y-Coed Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151617 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	A18SE (N)	573	1	273858 204930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
285	BGS Recorded Mineral Sites Site Name: Waun-Y-Coed Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151592 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	A18SE (N)	598	1	273850 204958
286	BGS Recorded Mineral Sites Site Name: Cwn-Nant-Llwyd Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151623 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	A9NW (SE)	600	1	274033 203798
287	BGS Recorded Mineral Sites Site Name: Cwm-Nant-Llwyd Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151663 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	A8NE (SE)	624	1	273944 203716
288	BGS Recorded Mineral Sites Site Name: Bryn-Brych Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151650 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	A8SE (S)	717	1	273756 203565
289	BGS Recorded Mineral Sites Site Name: Gelli-Nedd Arms Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151622 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	751	1	274461 204427
290	BGS Recorded Mineral Sites Site Name: Ynys-Meudwy-Ganol Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151591 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	774	1	273387 205093

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
291	BGS Recorded Mineral Sites Site Name: Alltwen Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151664 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	778	1	273111 203673
292	BGS Recorded Mineral Sites Site Name: Bryn-Brych Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151649 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	A8SW (S)	784	1	273631 203485
293	BGS Recorded Mineral Sites Site Name: New Waun-Y-Coed Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151616 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	A19NW (NE)	836	1	274053 205135
294	BGS Recorded Mineral Sites Site Name: Alltwen Uchaf Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151648 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	A8SW (S)	860	1	273549 203411
295	BGS Recorded Mineral Sites Site Name: Gellifowy-Ganol Location: Ystalyfera, Neath, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151536 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	943	1	273382 205273
296	BGS Recorded Mineral Sites Site Name: Coed Llangiwig Location: Pontardawe, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151615 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	974	1	273053 205135

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (S)	0	6	273657 204323
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (S)	0	-	273657 204323
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	273657 204323
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	273657 204323
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	273657 204323
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	273657 204323
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	116	1	273488 204346
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	206	1	273558 204543
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	228	1	273873 204162
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	273657 204323
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	141	1	273494 204415
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	273657 204323
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	228	1	273873 204162
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	273657 204323
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	273657 204323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	Contemporary Trade Directory Entries Name: Swansea Nhs Trust Location: Lon Catwg, Pontardawe, Swansea, SA8 3DX Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	0	-	273653 204323
298	Contemporary Trade Directory Entries Name: Texaco Location: 39 New Road, Pontardawe, Swansea, West Glamorgan, SA8 3DY Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	394	-	273682 203881
298	Contemporary Trade Directory Entries Name: Meadow Garage Location: New Road, Pontardawe, Swansea, SA8 3DY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	394	-	273682 203881
299	Contemporary Trade Directory Entries Name: World Glass Design Location: Unit A, Lon Hir Industrial Estate, Lon Hir, Alltwen, Pontardawe, Swansea, West Glamorgan, SA8 3DE Classification: Glass Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	421	-	273181 204322
299	Contemporary Trade Directory Entries Name: Valley Upholsterers Location: Unit F, Lon Hir Industrial Estate, Lon Hir, Alltwen, Pontardawe, Swansea, West Glamorgan, SA8 3DE Classification: Upholstery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SE (W)	433	-	273170 204302
299	Contemporary Trade Directory Entries Name: S & M Industrial Services Location: Unit C, Lon Hir Industrial Estate, Lon Hir, Pontardawe, SWANSEA, SA8 3DE Classification: Steam Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	436	-	273165 204330
299	Contemporary Trade Directory Entries Name: Simply Suction Ltd Location: Unit D Lon Hir, Alltwen/Pontardawe, Swansea, West Glamorgan, SA8 3DQ Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	442	-	273160 204300
299	Contemporary Trade Directory Entries Name: Living Stone Construction Materials Testing Ltd Location: Unit D, Lon Hir Industrial Estate, Lon Hir, Alltwen, Pontardawe, Swansea, West Glamorgan, SA8 3DE Classification: Laboratories Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (W)	451	-	273151 204336
300	Contemporary Trade Directory Entries Name: Gleishon Colliery Location: Cilybebyll, Rhos, Swansea, West Glamorgan, SA1 1DB Classification: Coal Mining Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	776	-	274384 204750
301	Contemporary Trade Directory Entries Name: Shorts Accident Repair Centre Location: 26-28, New Road, Pontardawe, SWANSEA, SA8 4PJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	847	-	272894 204789
302	Contemporary Trade Directory Entries Name: Goulds Vehicle Service Location: 28, NEW ROAD, YNYSMEUDWY, PONTARDAWE, SA8 4PJ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	867	-	272956 204904

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
303	Contemporary Trade Directory Entries Name: Wall Colmonoy Ltd Location: Alloy Industrial Estate, Pontardawe, Swansea, SA8 4HL Classification: Alloys Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	893	-	272719 204184
304	Contemporary Trade Directory Entries Name: Pontardawe Refrigeration Location: Alloy Ind Est, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	922	-	272721 204030
304	Contemporary Trade Directory Entries Name: Celtic Electrical S Y S Ltd Location: Unit 2a, Ema Evans Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Control Panels Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	955	-	272698 203991
304	Contemporary Trade Directory Entries Name: Horses & Hamsters Auto'S Location: Unit 2a, Ema Evans Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	955	-	272698 203991
304	Contemporary Trade Directory Entries Name: Fabacraft Ltd Location: Unit 2, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Lamination & Encapsulation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	272690 204012
304	Contemporary Trade Directory Entries Name: Fabricater Ltd Location: Unit 5, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	272690 204012
304	Contemporary Trade Directory Entries Name: A & M Transport Location: Unit 1, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	272690 204012
304	Contemporary Trade Directory Entries Name: Solar Roof Control Location: Unit 2, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	272690 204012
304	Contemporary Trade Directory Entries Name: A & M Logistics Ltd Location: Unit 1, Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, West Glamorgan, SA8 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	272690 204012
305	Contemporary Trade Directory Entries Name: Dm Painting & Decorating Location: 70, Brecon Road, Pontardawe, Swansea, SA8 4PD Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	943	-	272706 204620
306	Contemporary Trade Directory Entries Name: B A W Precision Engineering Ltd Location: Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EZ Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	946	-	272657 204280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
307	Contemporary Trade Directory Entries Name: Miller Mccowan & Thorny Coft Ltd Location: 10, Coedcae, Pontardawe, Swansea, SA8 4PE Classification: Confectionery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	964	-	272718 204709
308	Contemporary Trade Directory Entries Name: C R Installations Location: Haulfryn, Graig Llanguicke, Pontardawe, Swansea, SA8 4PS Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	965	-	272876 204961
309	Contemporary Trade Directory Entries Name: Furniture Medic Location: Pen-Yr-Alltwn, Alltwn, Pontardawe, Swansea, West Glamorgan, SA8 3EA Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (S)	985	-	273272 203344
310	Contemporary Trade Directory Entries Name: Trademate Window & Door Systems Location: Unit 9, Cwmtawe Business Park, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EZ Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	998	-	272628 204094
310	Contemporary Trade Directory Entries Name: East End Accident Repair Centre Location: Unit 2 Alloy Industrial Estate, Swansea, West Glamorgan, SA8 4EN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A11SE (W)	1000	-	272637 204046
310	Contemporary Trade Directory Entries Name: Lliw Building Supplies Ltd Location: Lliw Building Supplies Ltd, Alloy Industrial Estate, Pontardawe, SA8 4EN Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A11SE (W)	1000	-	272637 204046
311	Fuel Station Entries Name: Gellinudd Service Station Location: 39, New Road, Gellinudd Pontardawe, Swansea, Neath Port Talbot, SA8 3DY Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A8NE (S)	395	-	273688 203881
312	Points of Interest - Commercial Services Name: H Davies Humphreys Garage Location: 5 Graig Gellinudd, Pontardawe, Swansea, SA8 3HP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (N)	92	7	273647 204462
313	Points of Interest - Commercial Services Name: Meadow Garage Location: 39 New Road, Gellinudd, Pontardawe, SA8 3DY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	394	7	273682 203881
313	Points of Interest - Commercial Services Name: Gellinudd Service Station Location: 39 New Road, Gellinudd, Pontardawe, Swansea, SA8 3DY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (S)	396	7	273686 203880
313	Points of Interest - Commercial Services Name: Car Wash Location: 39 New Road, Gellinudd, Pontardawe, Swansea, West Glamorgan, SA8 3DY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (S)	399	7	273682 203876

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
314	Points of Interest - Commercial Services Name: Absolute Man Power Solutions Location: Unit C Lon Hir Industrial Estate, Lon Hir, Alltwen, Pontardawe, Swansea, SA8 3DE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NE (W)	436	7	273165 204330
315	Points of Interest - Commercial Services Name: Shorts Accident Repair Centre Location: 26-28 New Road, Pontardawe, Swansea, SA8 4PJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	847	7	272894 204789
315	Points of Interest - Commercial Services Name: Shorts Accident Repair Centre Location: 26-28 New Road, Pontardawe, Swansea, SA8 4PJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	847	7	272894 204789
316	Points of Interest - Commercial Services Name: Goulds Vehicle Service Location: 28 New Road, Ynysmeudwy, Pontardawe, SA8 4PJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	867	7	272956 204904
317	Points of Interest - Commercial Services Name: A & M Transport Location: Unit 1 Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	957	7	272690 204012
317	Points of Interest - Commercial Services Name: A & M South Wales Ltd Location: Unit 1 Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	957	7	272690 204012
317	Points of Interest - Commercial Services Name: A & M Garages Location: Unit 1-2 Alloy Court Business Centre, Alloy Industrial Estate, Pontardawe, Swansea, SA8 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	957	7	272690 204012
318	Points of Interest - Education and Health Name: Gellinudd Hospital Location: Lon Catwg, Pontardawe, Swansea, SA8 3DX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (W)	0	7	273636 204317
318	Points of Interest - Education and Health Name: Swansea NHS Trust Location: Lon Catwg, Pontardawe, Swansea, SA8 3DX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (W)	0	7	273653 204323
318	Points of Interest - Education and Health Name: Gellinudd Hospital Location: Lon Catwg, Pontardawe, Swansea, SA8 3DX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (W)	0	7	273636 204317
319	Points of Interest - Manufacturing and Production Name: Tank Location: SA8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NW (NW)	284	7	273361 204475

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
319	Points of Interest - Manufacturing and Production Name: Tanks Location: SA8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	288	7	273351 204466
319	Points of Interest - Manufacturing and Production Name: Tank Location: SA8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NW (NW)	291	7	273356 204479
320	Points of Interest - Manufacturing and Production Name: Shaft (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A8NE (S)	431	7	273790 203863
320	Points of Interest - Manufacturing and Production Name: Mine (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	452	7	273818 203849
321	Points of Interest - Manufacturing and Production Name: Alltwen Industrial Estate Location: SA8 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	452	7	273154 204261
322	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	475	7	273980 203915
322	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A8NE (SE)	491	7	273988 203901
323	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	535	7	273849 204893
323	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	548	7	273853 204905
323	Points of Interest - Manufacturing and Production Name: Shaft (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A18SE (N)	571	7	273871 204923
323	Points of Interest - Manufacturing and Production Name: Mine (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	572	7	273821 204939
323	Points of Interest - Manufacturing and Production Name: Mine (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A18SE (N)	595	7	273844 204956

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
324	Points of Interest - Manufacturing and Production Name: Shaft Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A9NW (SE)	667	7	274071 203743
324	Points of Interest - Manufacturing and Production Name: Shaft Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	672	7	274070 203736
325	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A7SE (SW)	798	7	273111 203647
325	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	810	7	273068 203669
326	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	A17NE (NW)	853	7	273085 205008
327	Points of Interest - Manufacturing and Production Name: Air Shaft Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	878	7	274170 205117
328	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A7SE (SW)	921	7	273056 203535
328	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SA8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	960	7	273033 203503
329	Points of Interest - Manufacturing and Production Name: Business Centre Location: SA8 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NW (W)	960	7	272694 203987
330	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: SA8 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A11SE (W)	984	7	272633 204142
330	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: SA8 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A11SE (W)	997	7	272620 204142
331	Points of Interest - Manufacturing and Production Name: Tank Location: SA8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	984	7	273420 205328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
332	Points of Interest - Public Infrastructure Name: Sluice Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	107	7	273789 204437
332	Points of Interest - Public Infrastructure Name: Sluice Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	116	7	273798 204440
332	Points of Interest - Public Infrastructure Name: Sluice Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	184	7	273886 204420
333	Points of Interest - Public Infrastructure Name: Gellinudd Sstn Location: New Road, Pontardawe, Swansea, SA8 3DY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	394	7	273682 203881
333	Points of Interest - Public Infrastructure Name: Gellinudd Service Station Location: 39 New Road, Gellinudd, Pontardawe, Swansea, SA8 3DY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	395	7	273688 203881
333	Points of Interest - Public Infrastructure Name: Texaco Location: 39 New Road, Pontardawe, Swansea, SA8 3DY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	396	7	273686 203880
334	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: SA8 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	456	7	273843 203854
335	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: SA8 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	554	7	274022 203848
336	Points of Interest - Public Infrastructure Name: Weir Location: SA8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	770	7	273132 204939
337	Points of Interest - Public Infrastructure Name: Outfall Location: SA8 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	822	7	272882 204720
338	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	382	7	273226 204248
338	Points of Interest - Recreational and Environmental Name: Play Area Location: (Brynmorgrug), SA8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A12SE (W)	384	7	273224 204250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
339	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	903	7	272971 204973
339	Points of Interest - Recreational and Environmental Name: Playground Location: Old Road, SA8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	904	7	272971 204974

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
340	Ancient Woodland Name: Not Supplied Reference: 7515 Area(m ²): 51386.71 Type: Ancient and Semi-Natural Woodland	A13SW (SW)	210	2	273431 204162
341	Ancient Woodland Name: Not Supplied Reference: 18482 Area(m ²): 285618.66 Type: Ancient and Semi-Natural Woodland	A13NW (N)	253	2	273640 204630
342	Ancient Woodland Name: Not Supplied Reference: 18475 Area(m ²): 7563.43 Type: Ancient and Semi-Natural Woodland	A13NE (N)	253	2	273771 204621
343	Ancient Woodland Name: Not Supplied Reference: 18474 Area(m ²): 8330.62 Type: Ancient and Semi-Natural Woodland	A14NW (E)	564	2	274264 204479
344	Ancient Woodland Name: Not Supplied Reference: 7776 Area(m ²): 25222.68 Type: Ancient and Semi-Natural Woodland	A18SE (N)	626	2	273864 204983
345	Ancient Woodland Name: Not Supplied Reference: 18477 Area(m ²): 7574.86 Type: Ancient and Semi-Natural Woodland	A17SE (NW)	724	2	273048 204790
346	Ancient Woodland Name: Not Supplied Reference: 23215 Area(m ²): 17966.01 Type: Restored Ancient Woodland Site	A17SE (NW)	748	2	273104 204887
347	Ancient Woodland Name: Not Supplied Reference: 18473 Area(m ²): 3265.59 Type: Ancient and Semi-Natural Woodland	A14NE (E)	750	2	274460 204426
348	Ancient Woodland Name: Not Supplied Reference: 11371 Area(m ²): 25196.41 Type: Restored Ancient Woodland Site	A18NW (N)	755	2	273372 205065
349	Ancient Woodland Name: Not Supplied Reference: 23217 Area(m ²): 1218.83 Type: Restored Ancient Woodland Site	A18NW (N)	803	2	273468 205153
350	Ancient Woodland Name: Not Supplied Reference: 23211 Area(m ²): 58865.56 Type: Restored Ancient Woodland Site	A14NE (E)	844	2	274554 204433
351	Ancient Woodland Name: Not Supplied Reference: 23216 Area(m ²): 8530.18 Type: Restored Ancient Woodland Site	A18NW (N)	899	2	273327 205204
352	Ancient Woodland Name: Not Supplied Reference: 18479 Area(m ²): 25680.74 Type: Ancient and Semi-Natural Woodland	A17NE (NW)	931	2	273050 205079
353	Ancient Woodland Name: Not Supplied Reference: 11367 Area(m ²): 98665.95 Type: Restored Ancient Woodland Site	A17SW (NW)	954	2	272799 204839

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
354	Ancient Woodland Name: Not Supplied Reference: 18471 Area(m ²): 5169.84 Type: Ancient and Semi-Natural Woodland	A14SE (E)	974	2	274650 204086
355	Ancient Woodland Name: Not Supplied Reference: 18485 Area(m ²): 38665 Type: Ancient and Semi-Natural Woodland	A18NW (N)	977	2	273430 205323
356	Ancient Woodland Name: Not Supplied Reference: 13676 Area(m ²): 4815.06 Type: Ancient and Semi-Natural Woodland	A17NW (NW)	978	2	272931 205039

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Natural Resources Wales Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council - Public Protection Department City and County of Swansea - Environmental Health Department	November 2023 October 2017 October 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 December 2023	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 Natural Resources Wales Environment Agency - Welsh Region	December 2023 January 2021	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council - Public Protection Department	April 2014 December 2020 March 2014 May 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council - Public Protection Department	April 2014 December 2020 March 2014 May 2014	Annually Annual Rolling Update 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 Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council - Public Protection Department	April 2014 June 2014 March 2015 May 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2023	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
Substantiated Pollution Incident Register Natural Resources Wales Environment Agency Wales - South East Area Environment Agency Wales - South West Area	August 2023 January 2021 January 2021	Quarterly Quarterly Quarterly
Water Abstractions Natural Resources Wales Environment Agency - Welsh Region	June 2023 October 2023	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	October 2023	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 East Area Environment Agency Wales - South West Area Natural Resources Wales	January 2023 January 2023 October 2021	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South East Area Environment Agency Wales - South West Area	December 2023 July 2021 July 2021	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council	October 2018 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 East Area Environment Agency Wales - South West Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South East Area Environment Agency Wales - South West Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South East Area Environment Agency Wales - South West Area	June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements City and County of Swansea - Planning Department Powys County Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	June 2023 May 2023 October 2015	Variable Variable Variable
Planning Hazardous Substance Consents Powys County Council - Planning Department City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 January 2016 October 2015	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	June 2023	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	October 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2023	Quarterly
Points of Interest - Education and Health PointX	December 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2023	Quarterly
Points of Interest - Public Infrastructure PointX	December 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

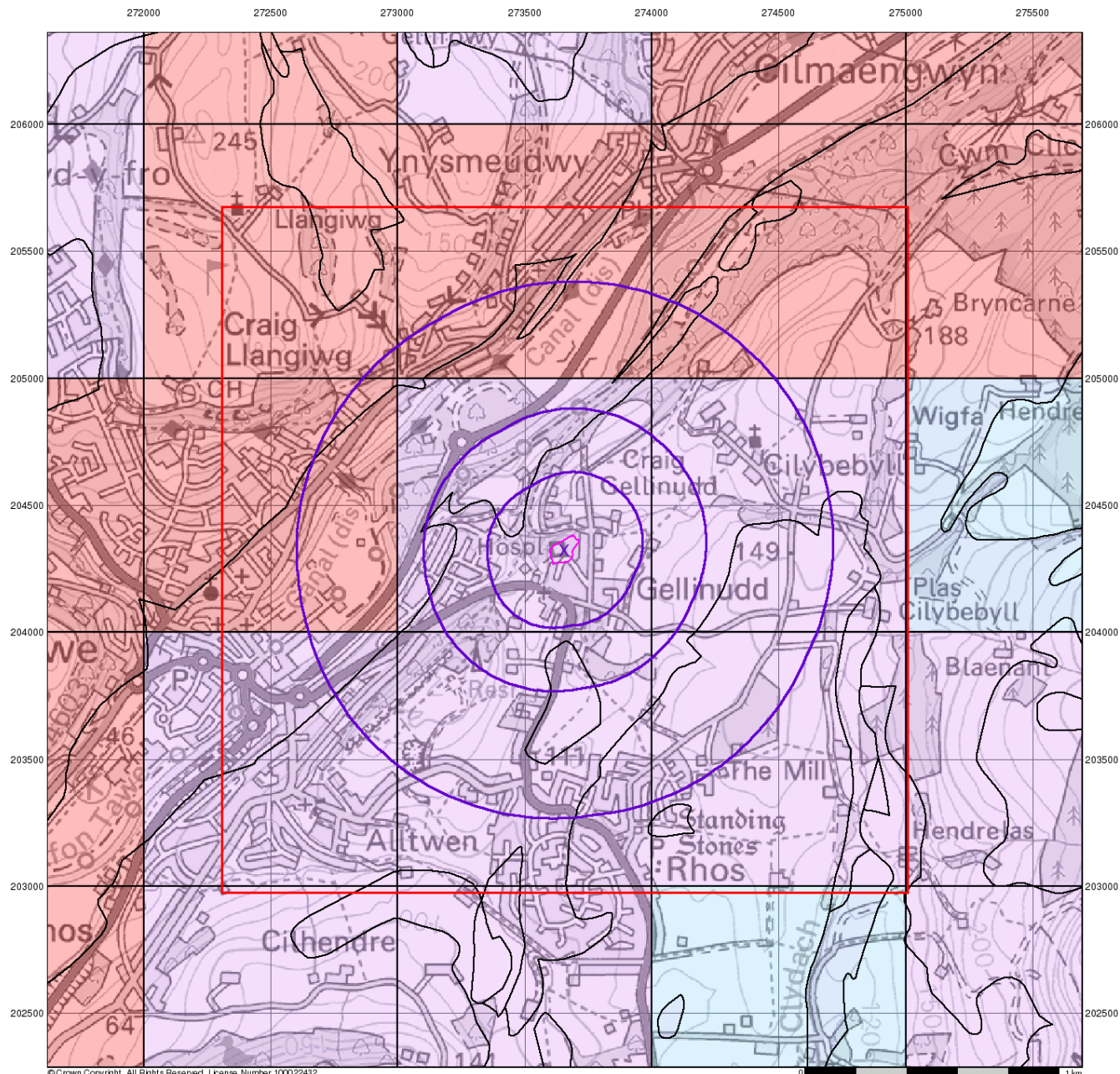
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	October 2023	Bi-Annually
Areas of Adopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services Powys County Council	August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services Powys County Council	August 2023 August 2023 August 2023	Quarterly 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 City and County of Swansea Neath Port Talbot County Borough Council Powys County Council	August 2023 August 2023 August 2023	Bi-Annually Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	October 2023	Bi-Annually
National Nature Reserves Natural Resources Wales	September 2023	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 March 2023	Bi-Annually
Ramsar Sites Natural Resources Wales	October 2023	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	October 2023	Bi-Annually
Special Areas of Conservation Natural Resources Wales	October 2023	Bi-Annually
Special Protection Areas Natural Resources Wales	October 2023	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
4	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Neath Port Talbot County Borough Council Civic Centre, Port Talbot, West Glamorgan, SA13 1PJ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.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.



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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

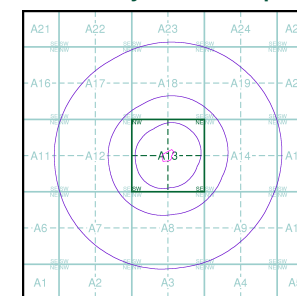
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

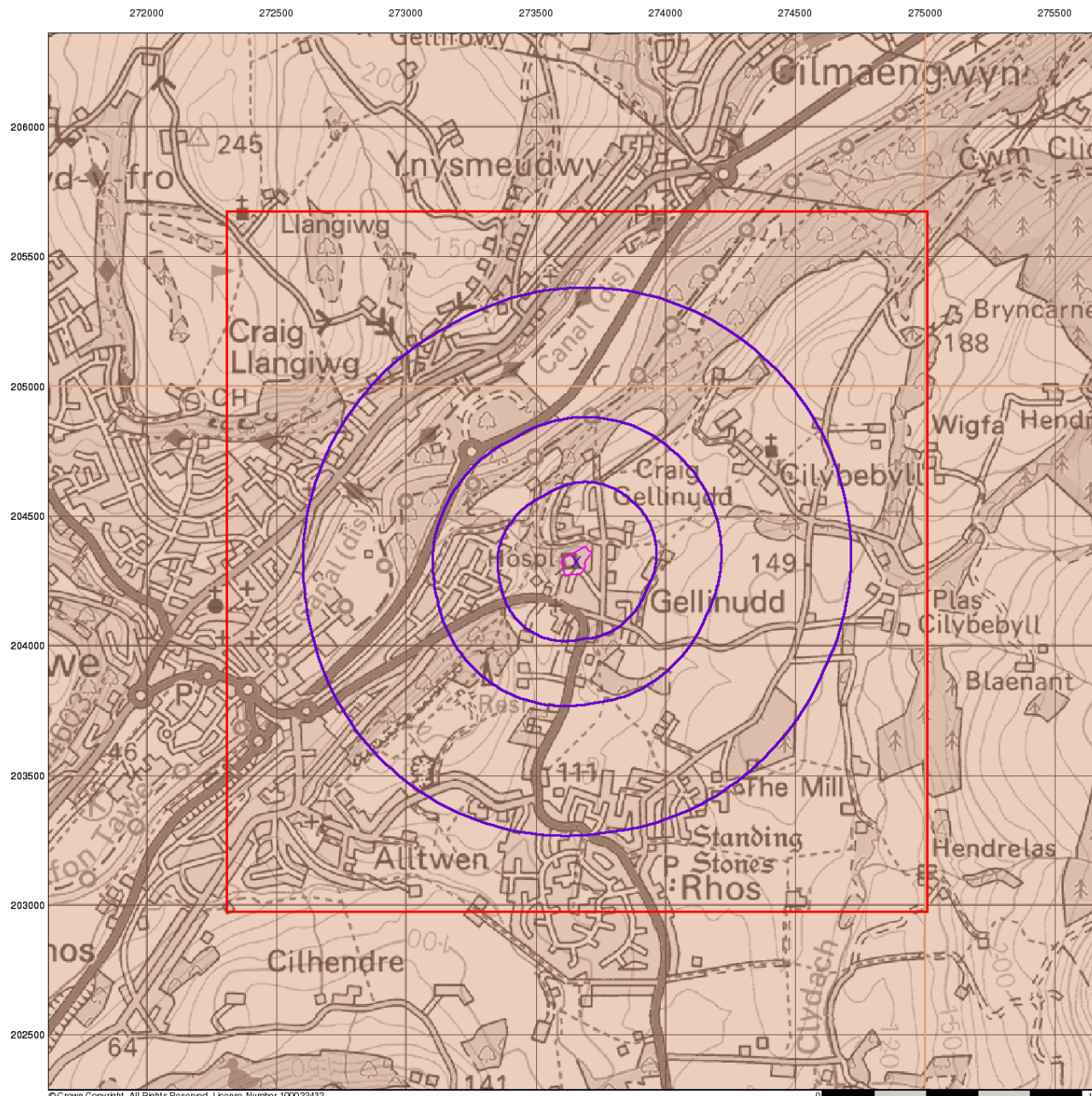
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 Customer Ref: CA-O26-24JR
 National Grid Reference: 273660, 204320
 Slice: A
 Site Area (Ha): 0.76
 Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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0 1 km



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Bedrock Aquifer Designation

General

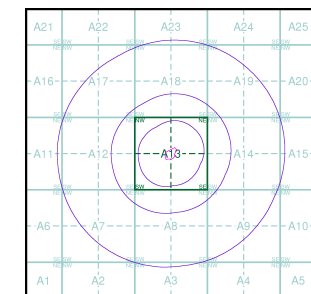
- ◊ Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- Slice 8 Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

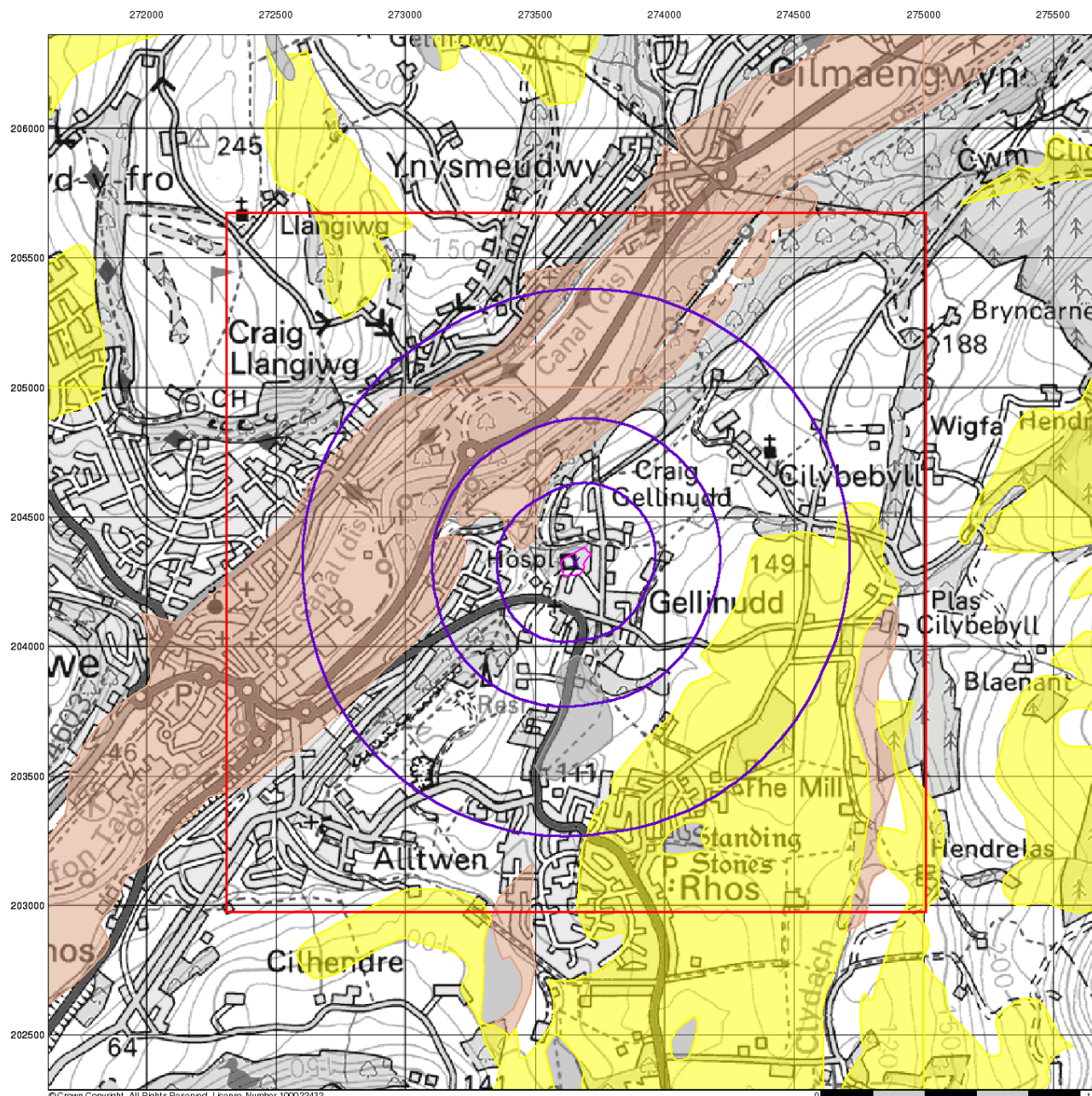
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 National Grid Reference: 273660, 204320
 Slice: A
 Site Area (Ha): 0.76
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

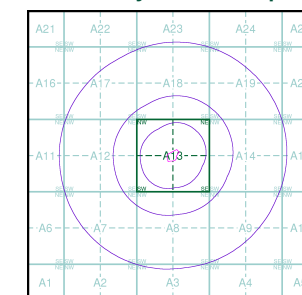
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

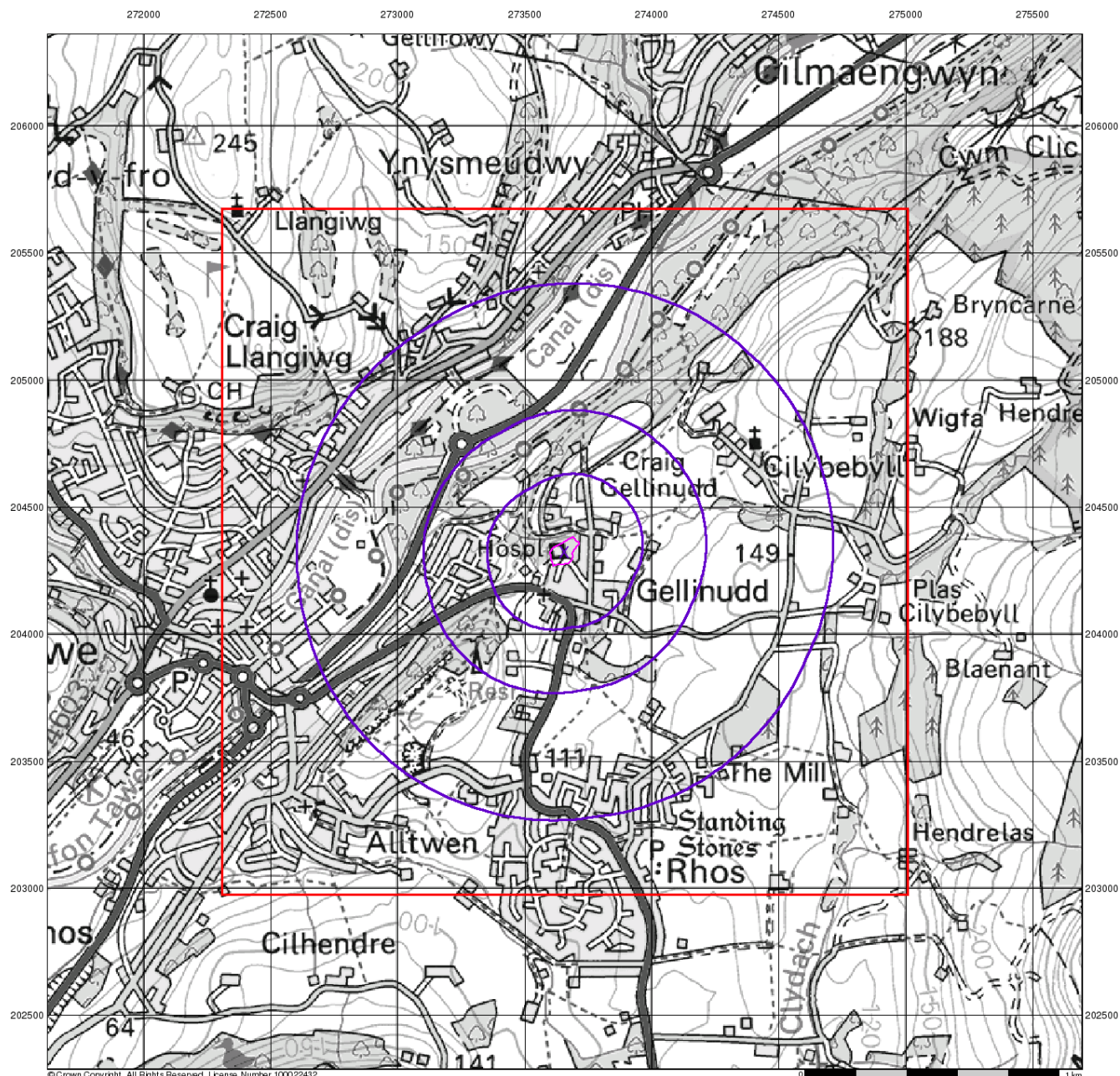
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Source Protection Zones

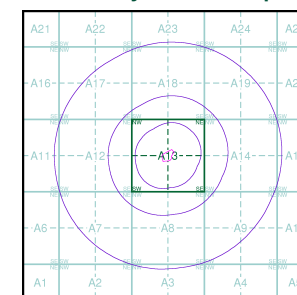
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

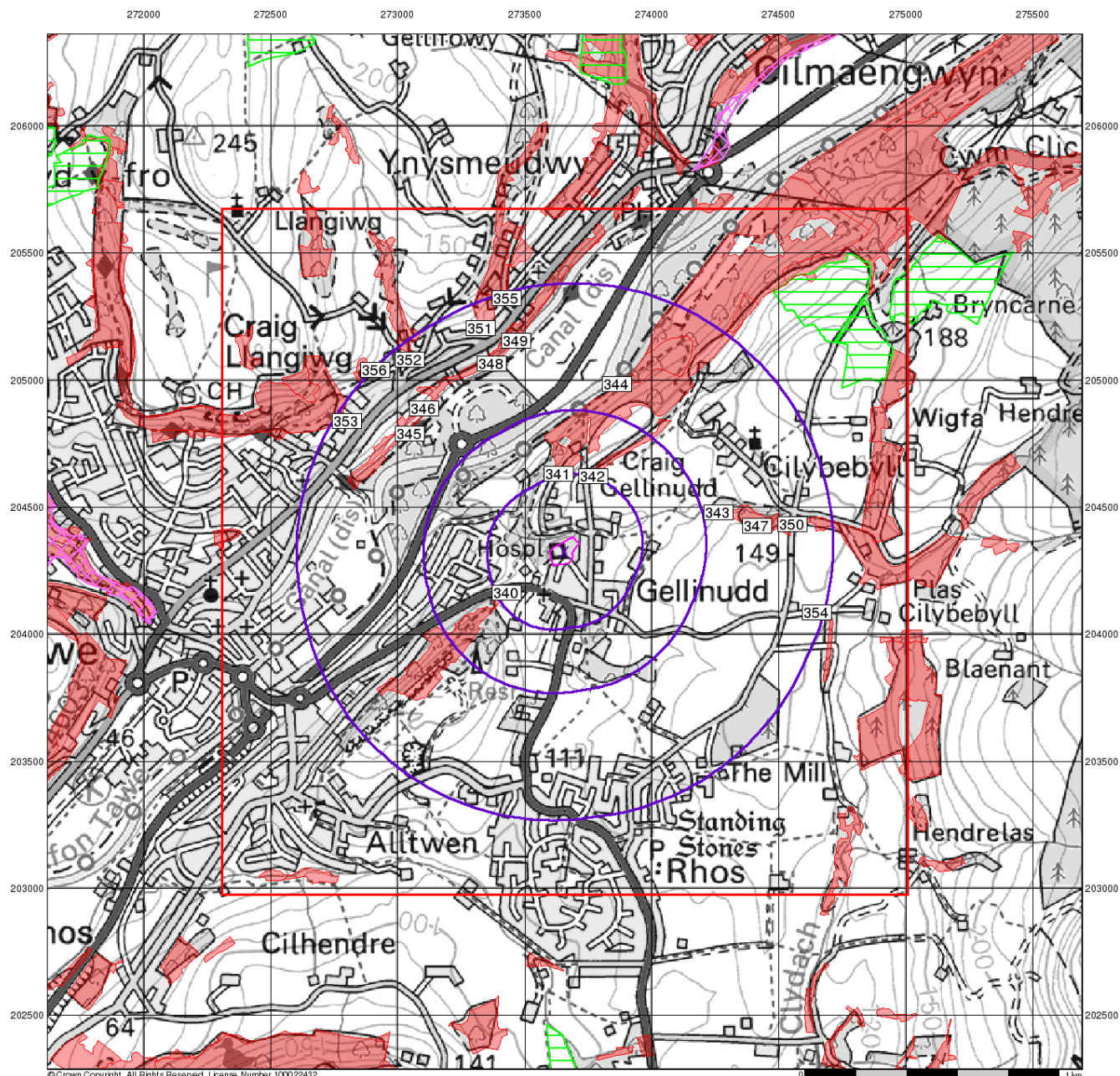
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 Customer Ref: CA-O26-24JR
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 Slice: A
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Sensitive Land Uses

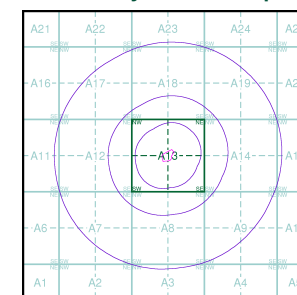
General

- 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

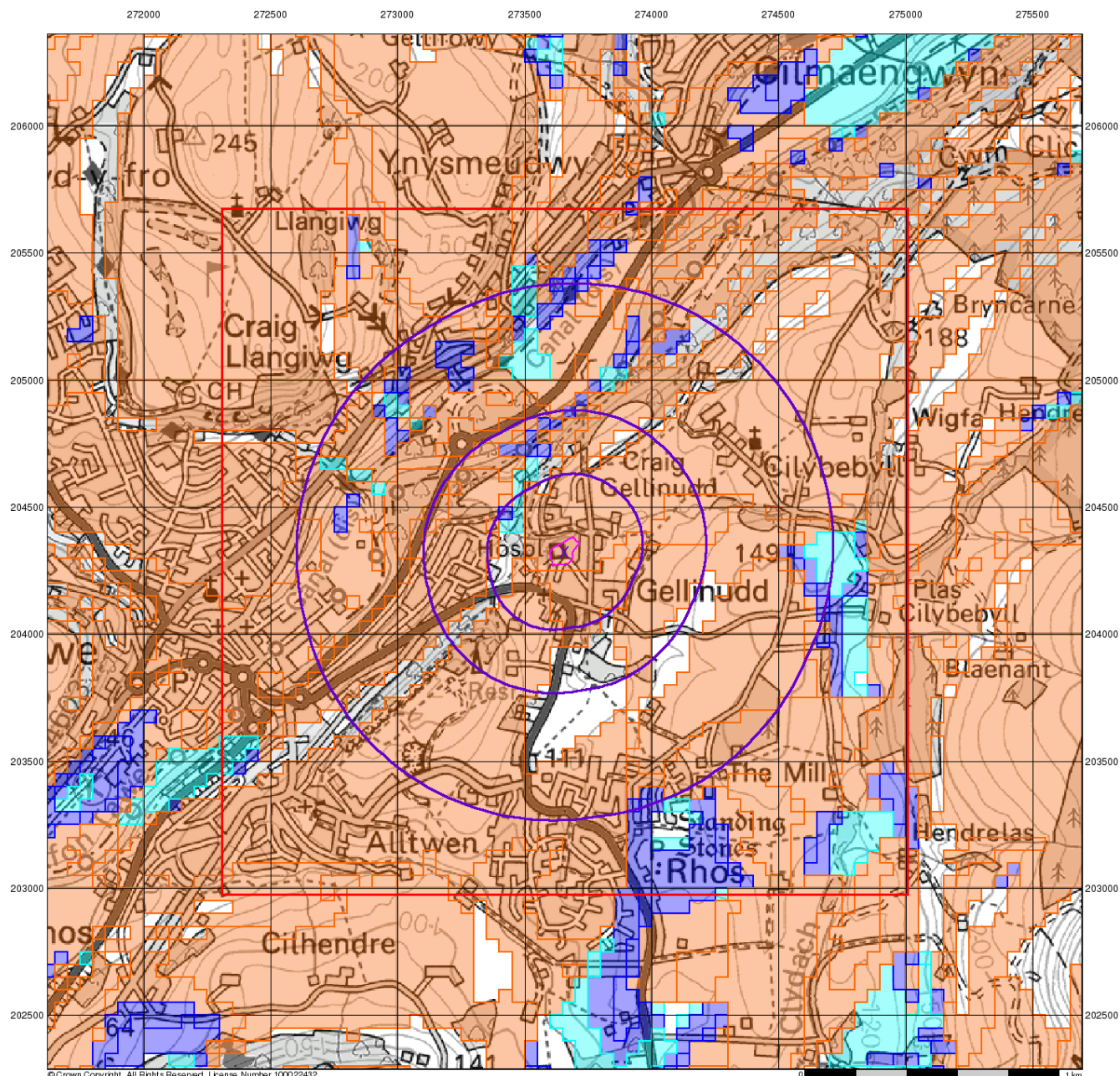
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Site Details

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BGS Flood GFS Data

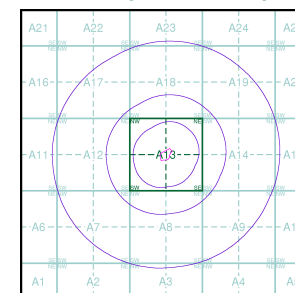
General

- 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: 333014159_1_1
 Customer Ref: CA-O26-24JR
 National Grid Reference: 273660, 204320
 Slice: A
 Site Area (Ha): 0.76
 Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

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

Bedrock and Faults

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

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



Geology 1:50,000 Maps

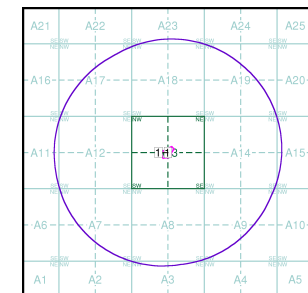
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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: 1
Map Sheet No: 230
Map Name: Ammanford
Map Date: 1977
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

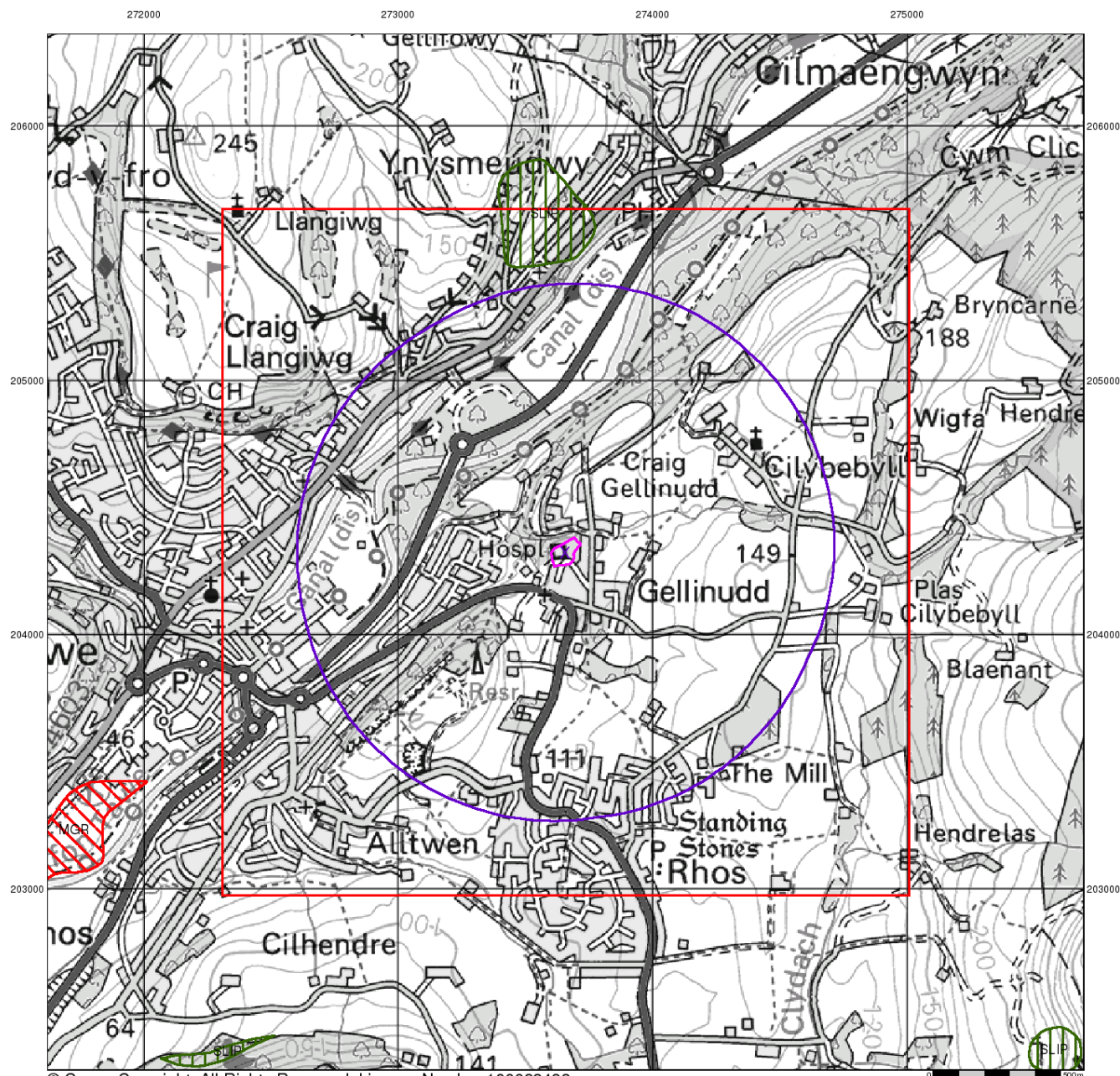
Order Number: 333014159_1_1
Customer Reference: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details:

Site at 273640, 204320

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Artificial Ground and Landslip

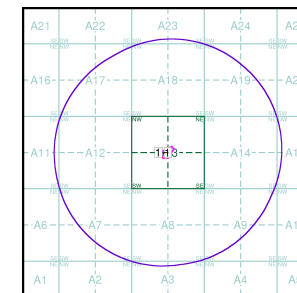
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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: 333014159_1_1
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 National Grid Reference: 273660, 204320
 Slice: A
 Site Area (Ha): 0.76
 Search Buffer (m): 1000

Site Details:

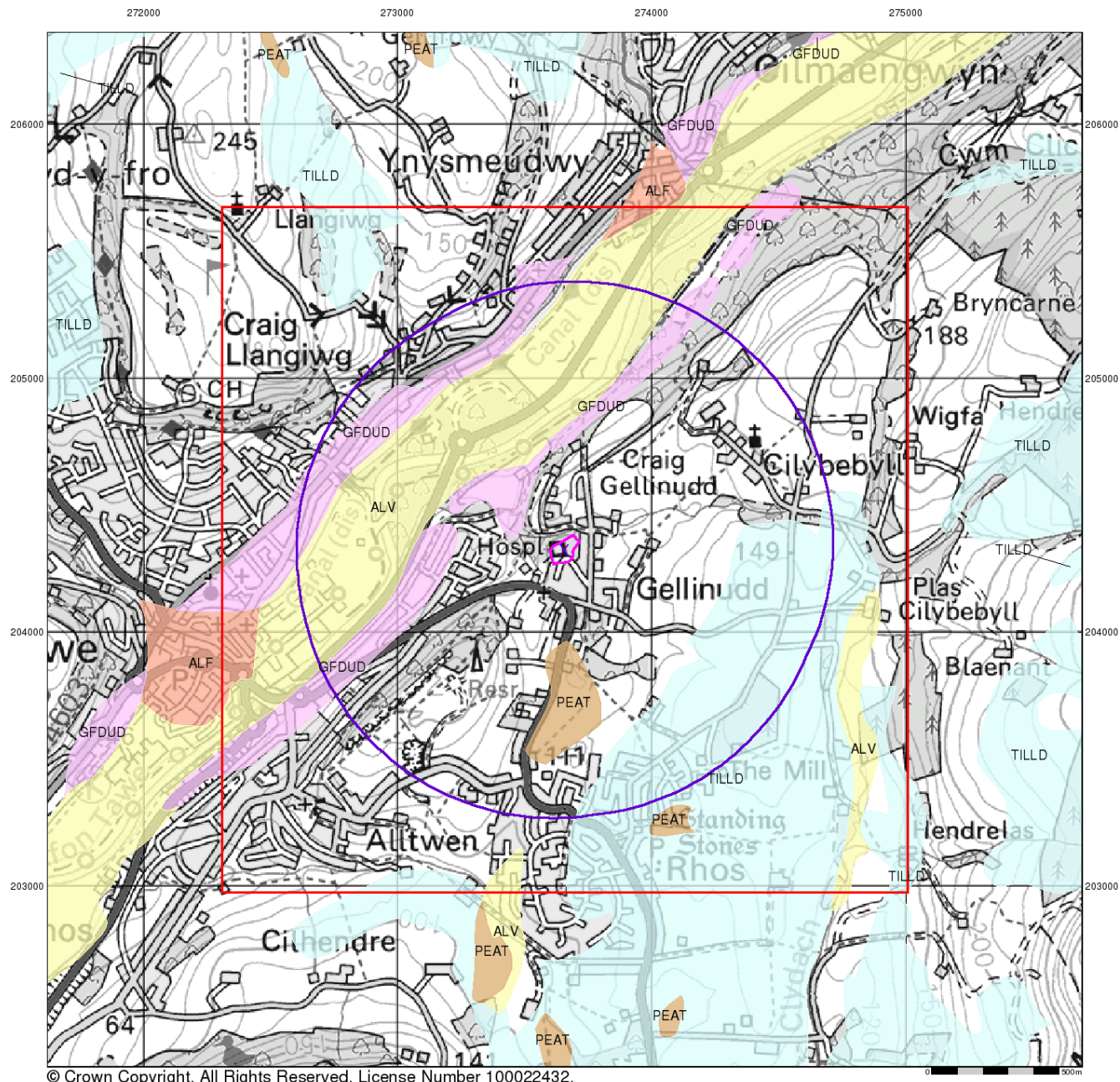
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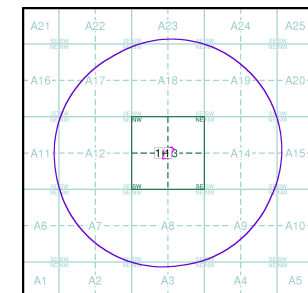
Superficial Geology

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:

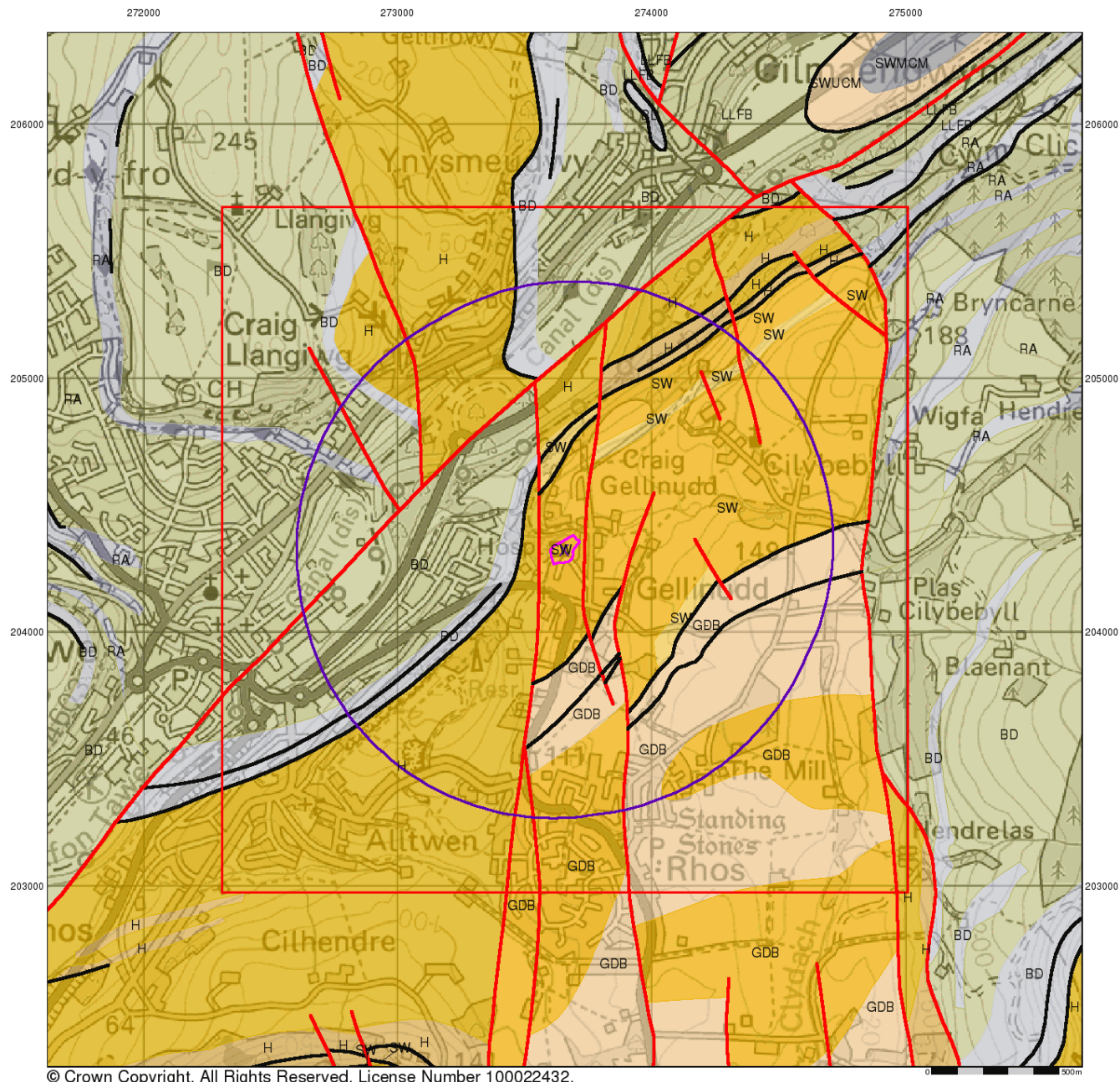
Order Number: 333014159_1_1
Customer Reference: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details:

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Bedrock and Faults

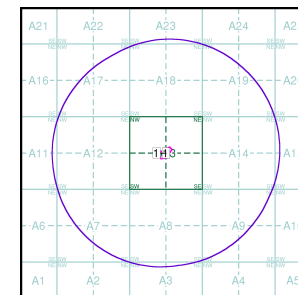
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 333014159_1_1
Customer Reference: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details:

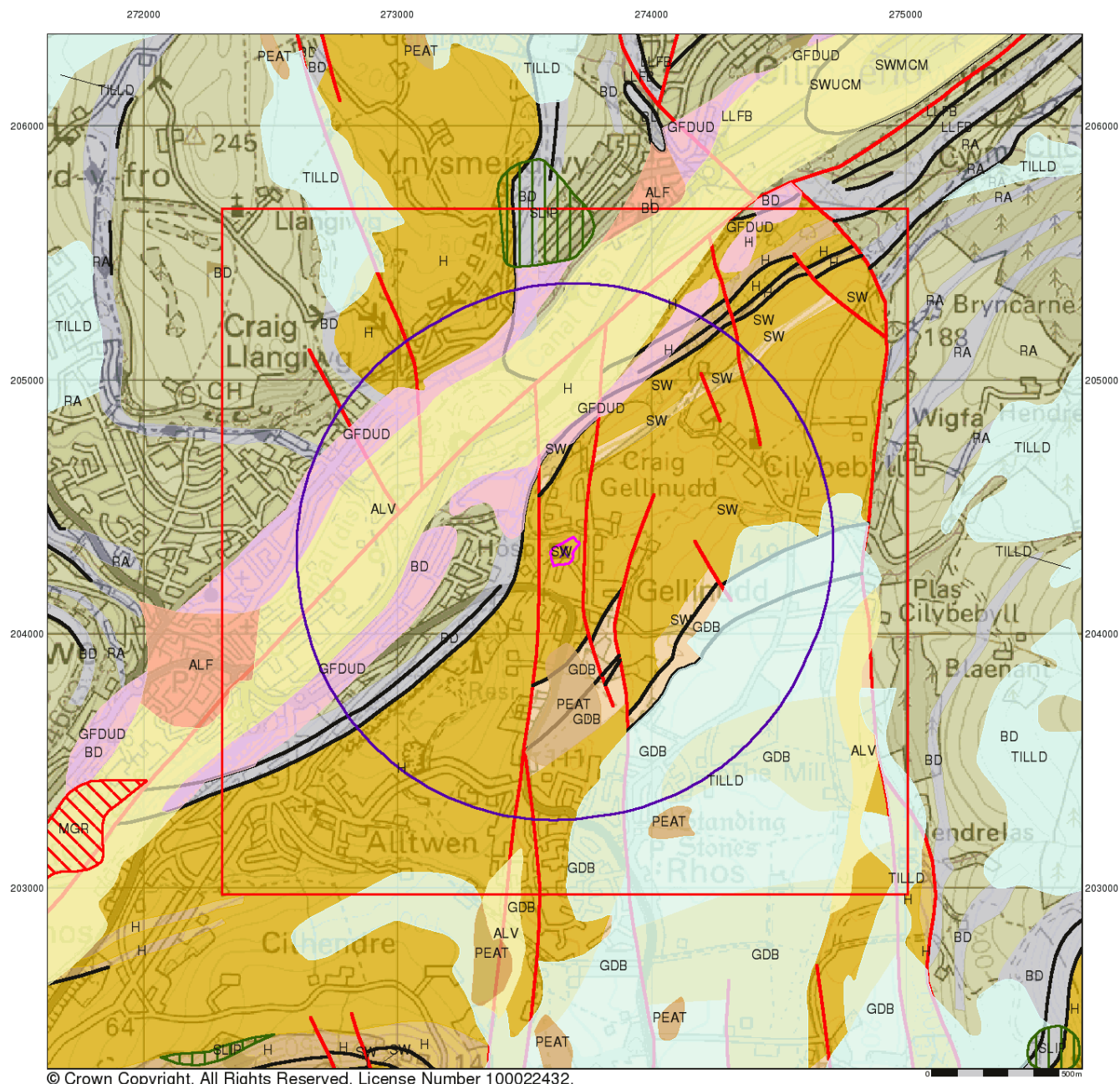
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Combined Surface Geology

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

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

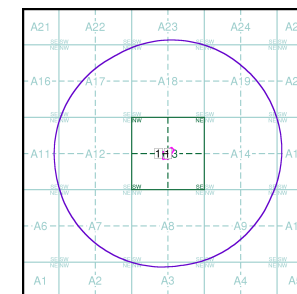
Additional Information

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

Contact

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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: 333014159_1_1
Customer Reference: CA-O26-24JR
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Historical Mapping Legends

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



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



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

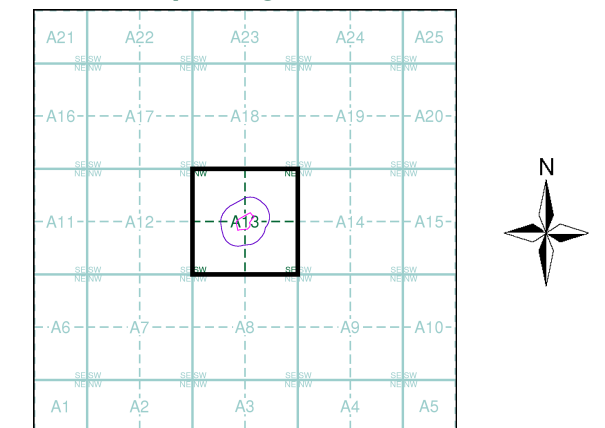


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1878	2
Glamorganshire	1:2,500	1898	3
Glamorganshire	1:2,500	1918	4
Glamorganshire	1:2,500	1942	5
Ordnance Survey Plan	1:2,500	1964 - 1965	6
Ordnance Survey Plan	1:2,500	1973 - 1974	7
Additional SIMs	1:2,500	1978 - 1989	8
Ordnance Survey Plan	1:2,500	1989	9
Large-Scale National Grid Data	1:2,500	1993	10
Large-Scale National Grid Data	1:2,500	1994	11
Historical Aerial Photography	1:2,500	2000	12

Historical Map - Segment A13



Order Details

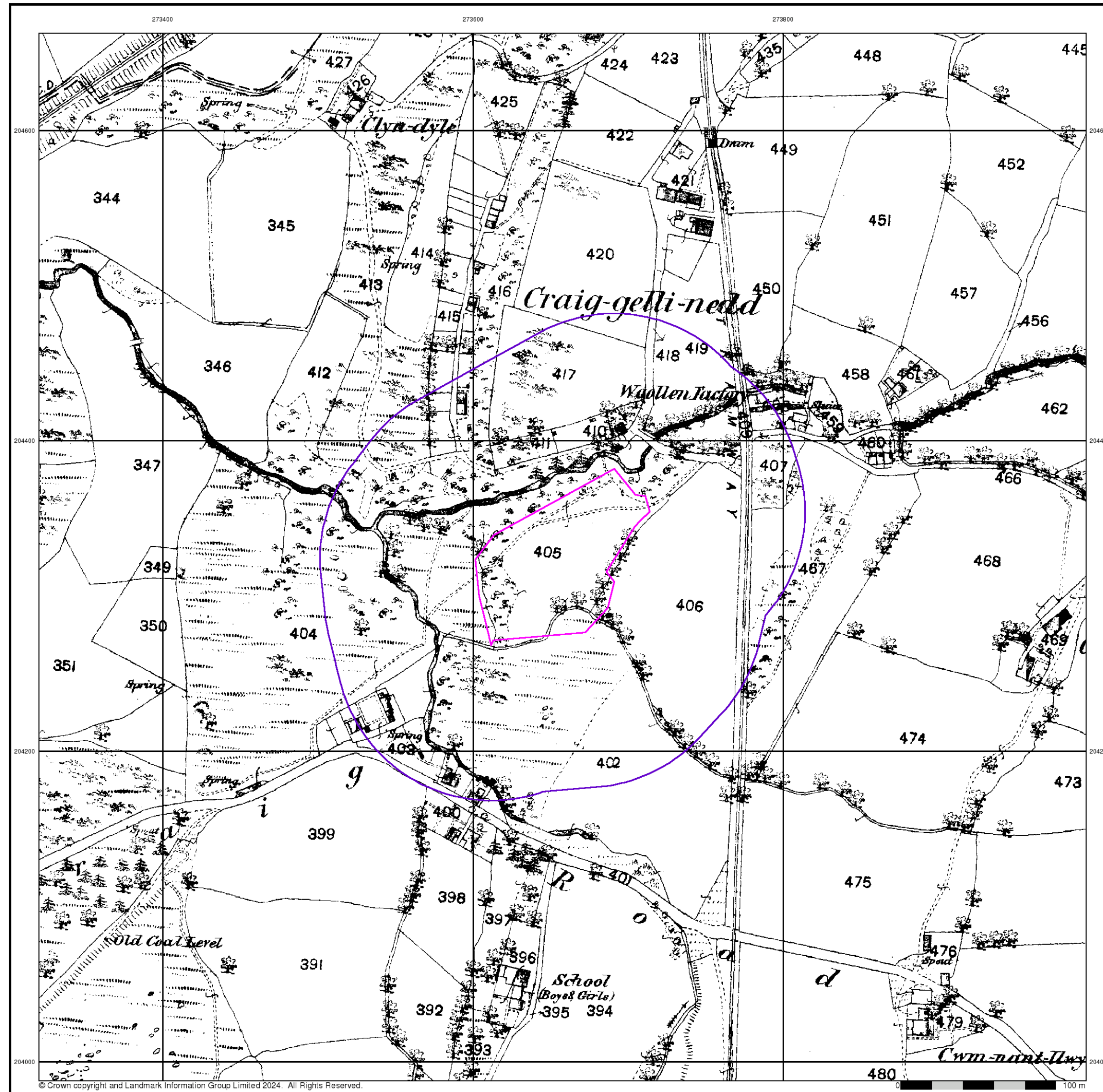
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Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 100

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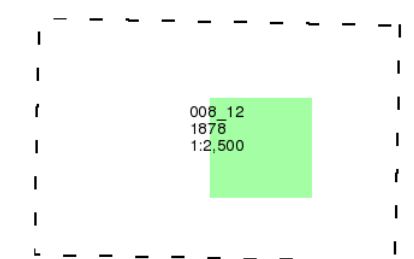
Glamorganshire

Published 1878

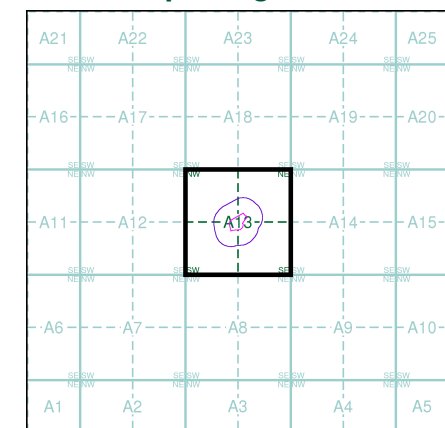
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 100

Site Details

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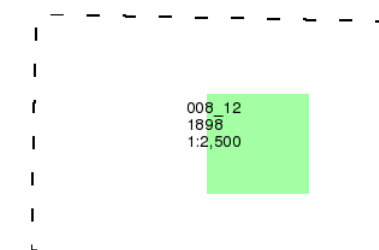
Glamorganshire

Published 1898

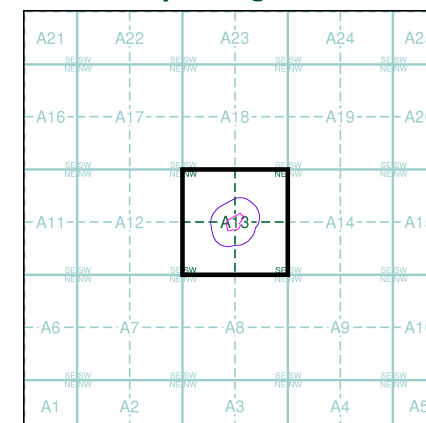
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

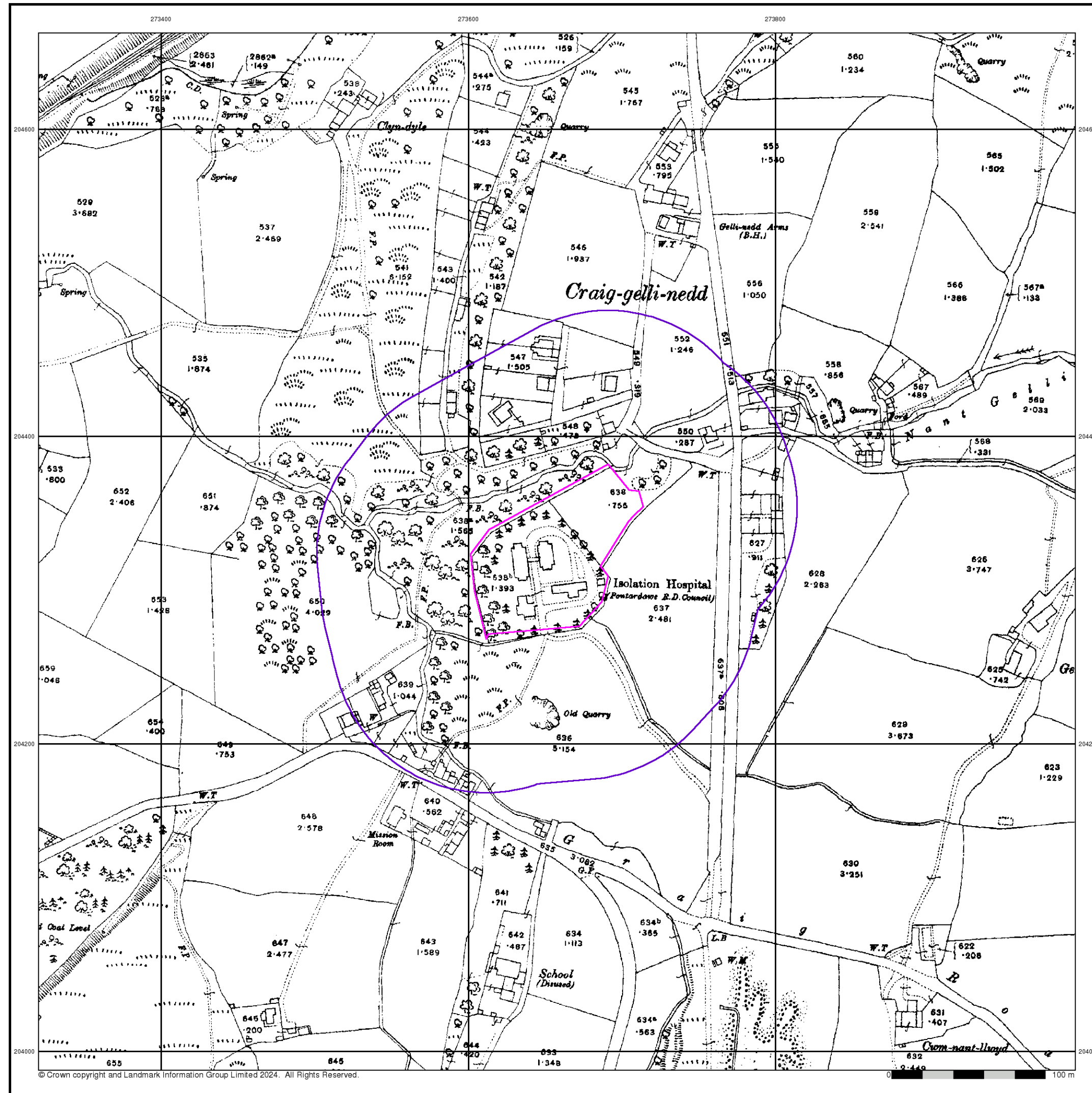
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Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
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Site Details

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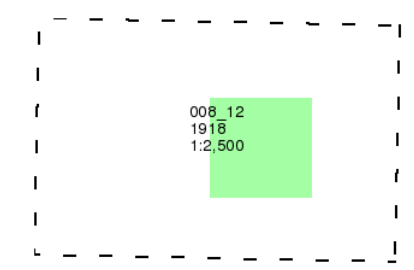
Glamorganshire

Published 1918

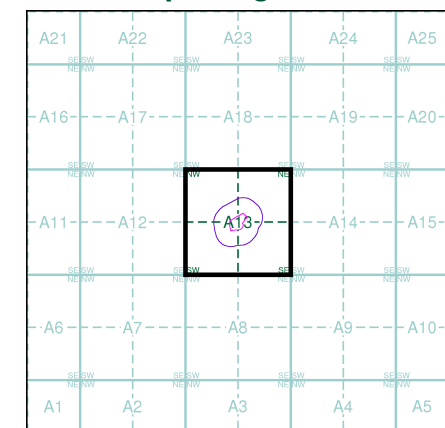
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

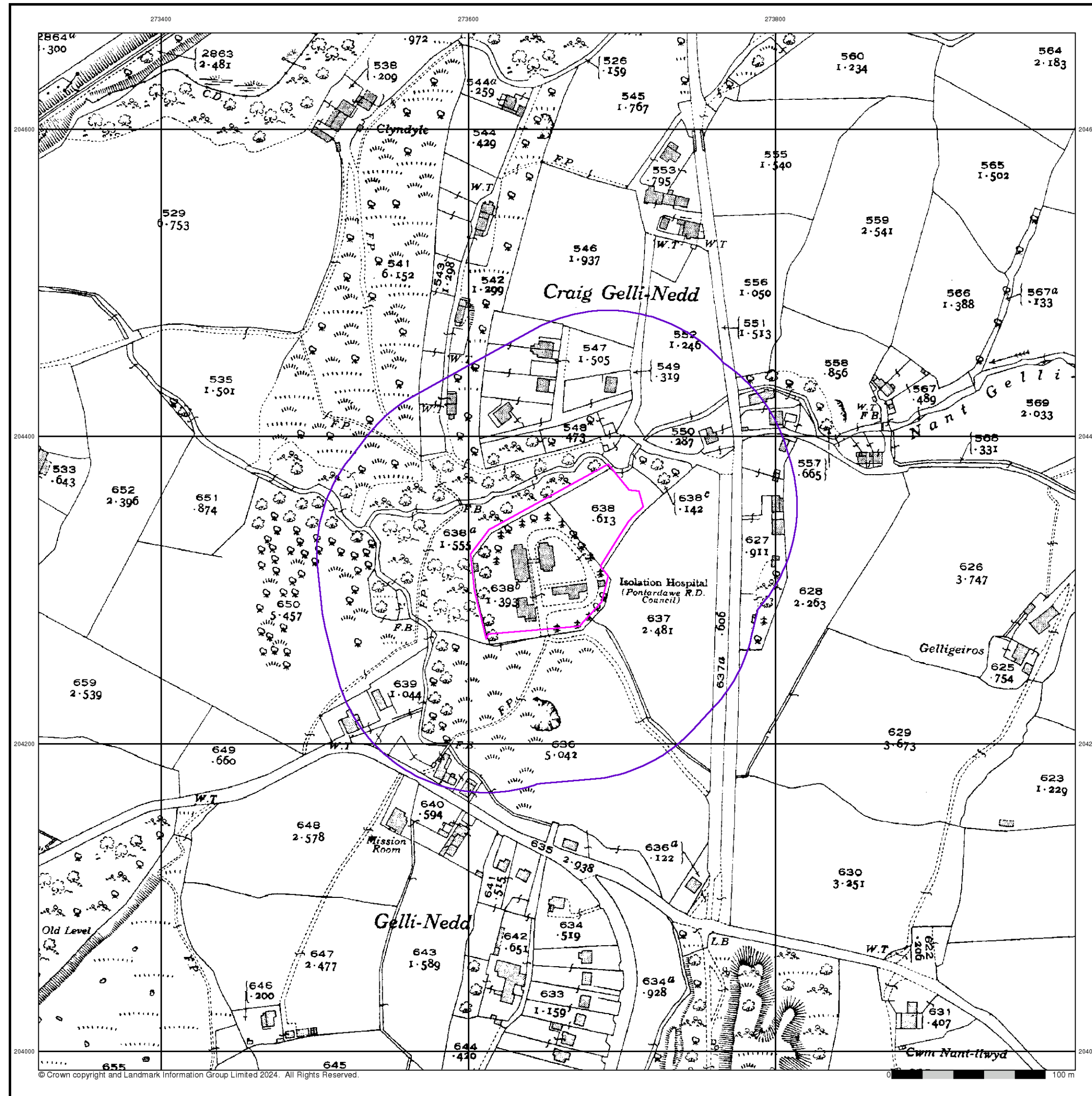
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 100

Site Details

Site at 273640, 204320



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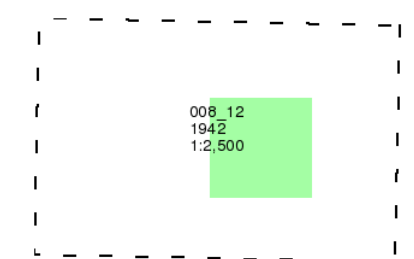
Glamorganshire

Published 1942

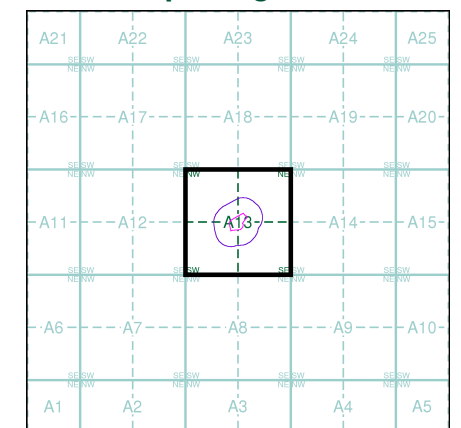
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

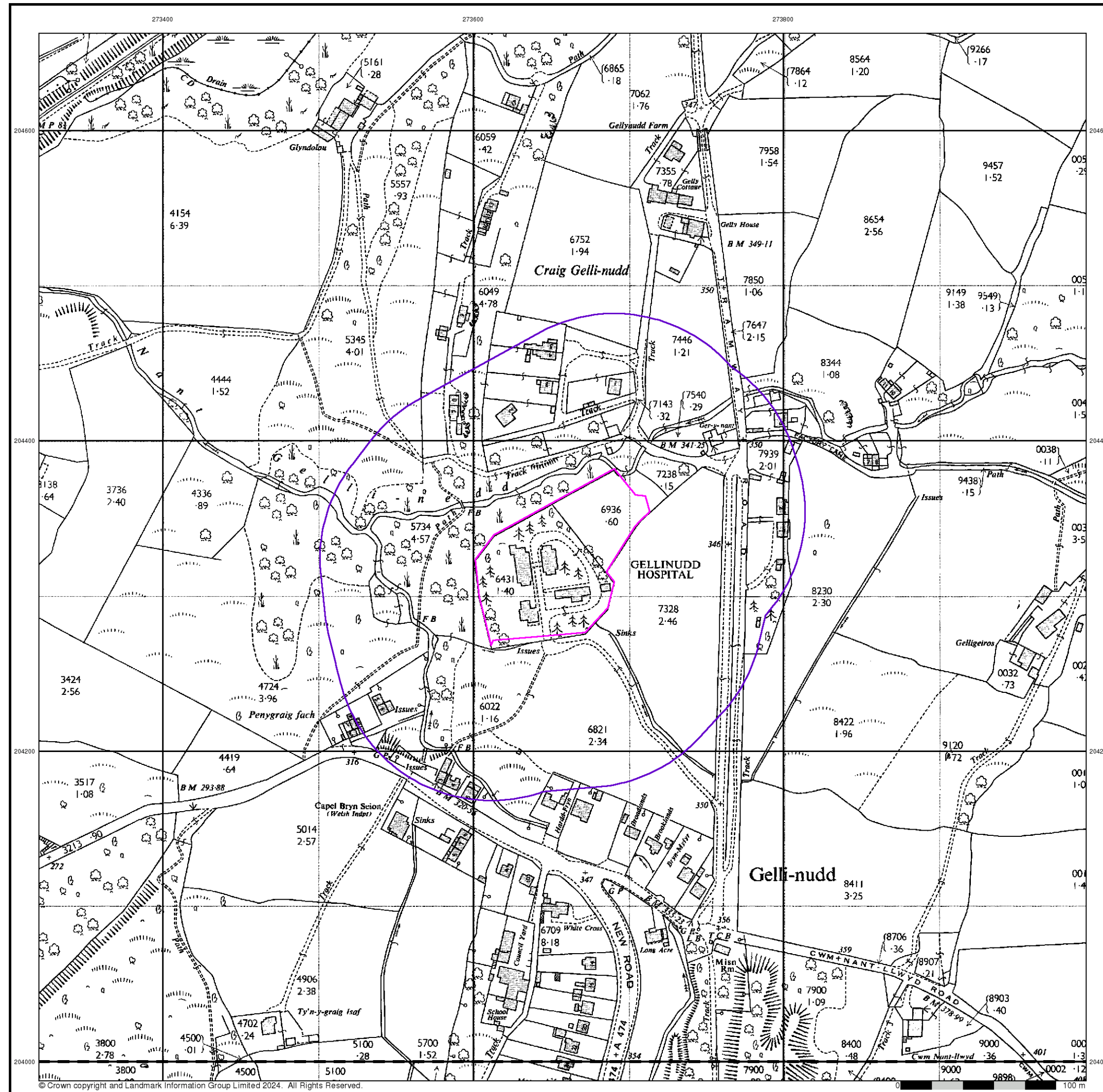
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Ordnance Survey Plan

Published 1964 - 1965

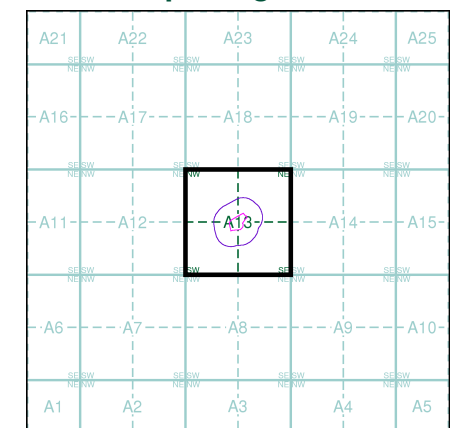
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Map Name(s) and Date(s)

SN7304
1965
1:2,500
SN7303
1964
1:2,500

Historical Map - Segment A13



Order Details

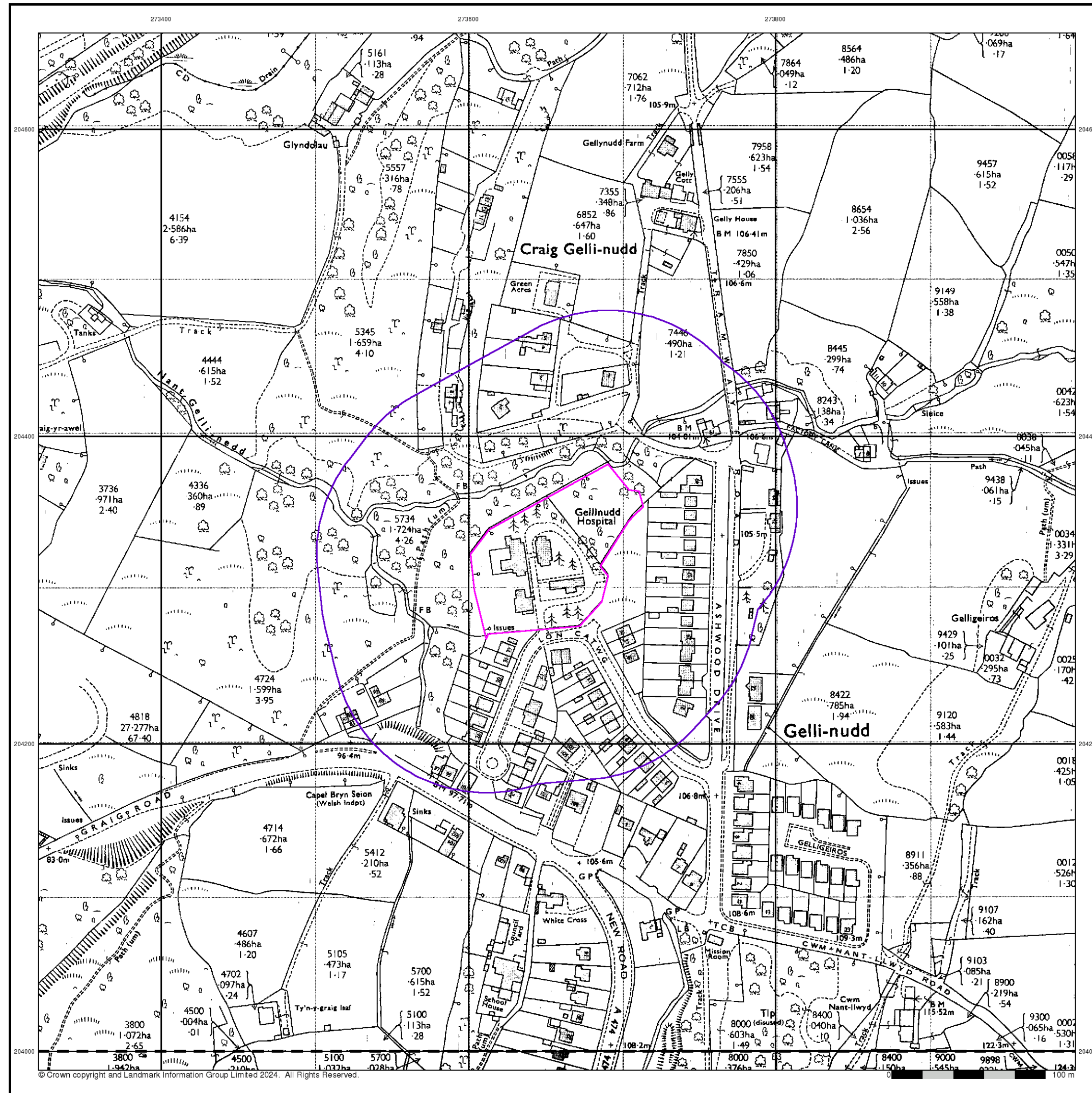
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Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1973 - 1974

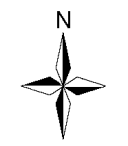
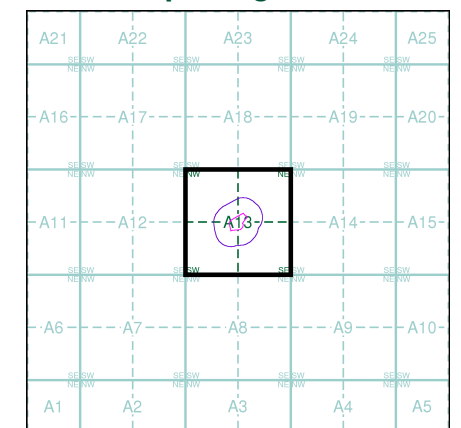
Source map scale - 1:2,500

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)

SN7304
1974
1:2,500
SN7303
1973
1:2,500

Historical Map - Segment A13



Order Details

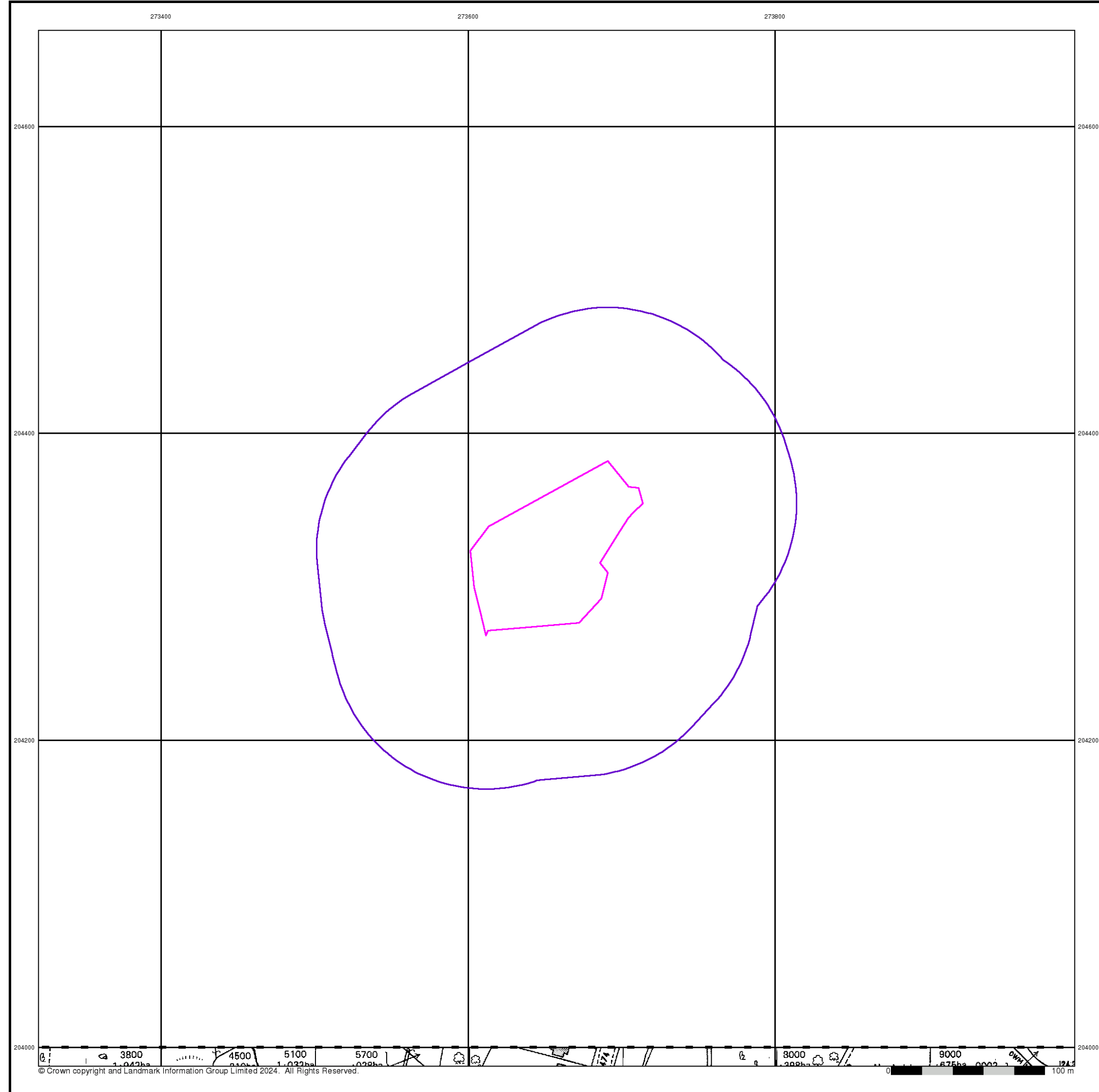
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1989

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)

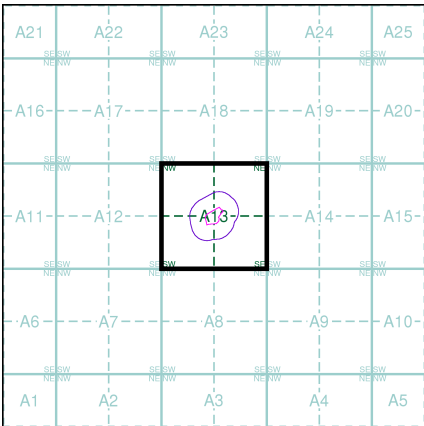


SN7303

1989

1:2,500

Historical Map - Segment A13



Order Details

Order Number:	333014159_1_1
Customer Ref:	CA-O26-24JR
National Grid Reference:	273660, 204320
Slice:	A
Site Area (Ha):	0.76
Search Buffer (m):	100

Site Details

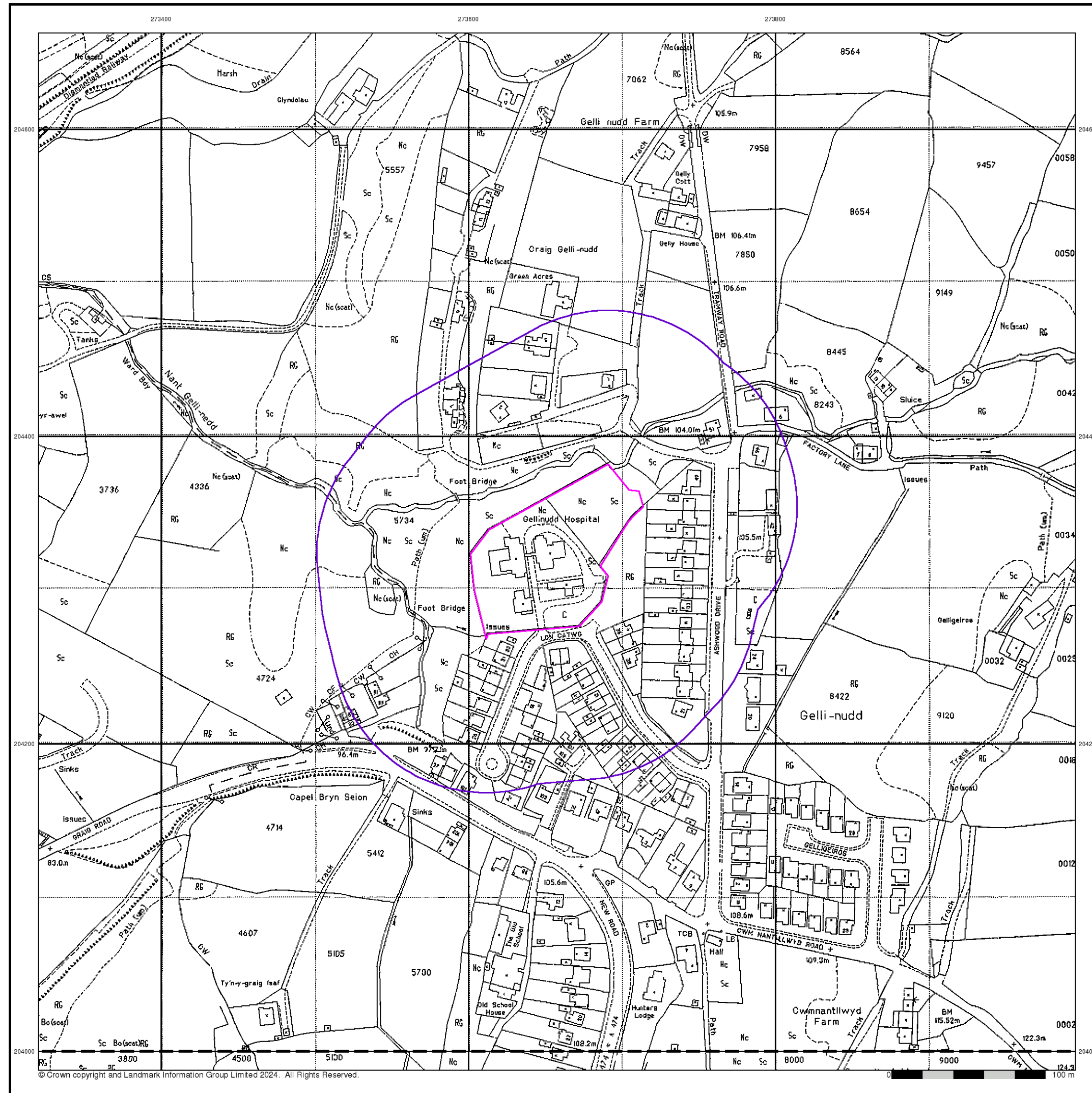
Site at 273640, 204320



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Large-Scale National Grid Data

Published 1993

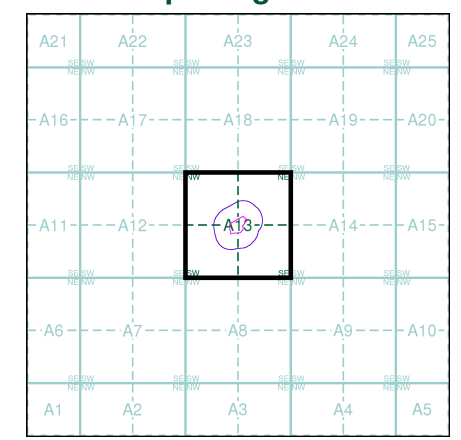
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SN7304	1993	1:2,500
SN7303	1993	1:2,500

Historical Map - Segment A13



Order Details

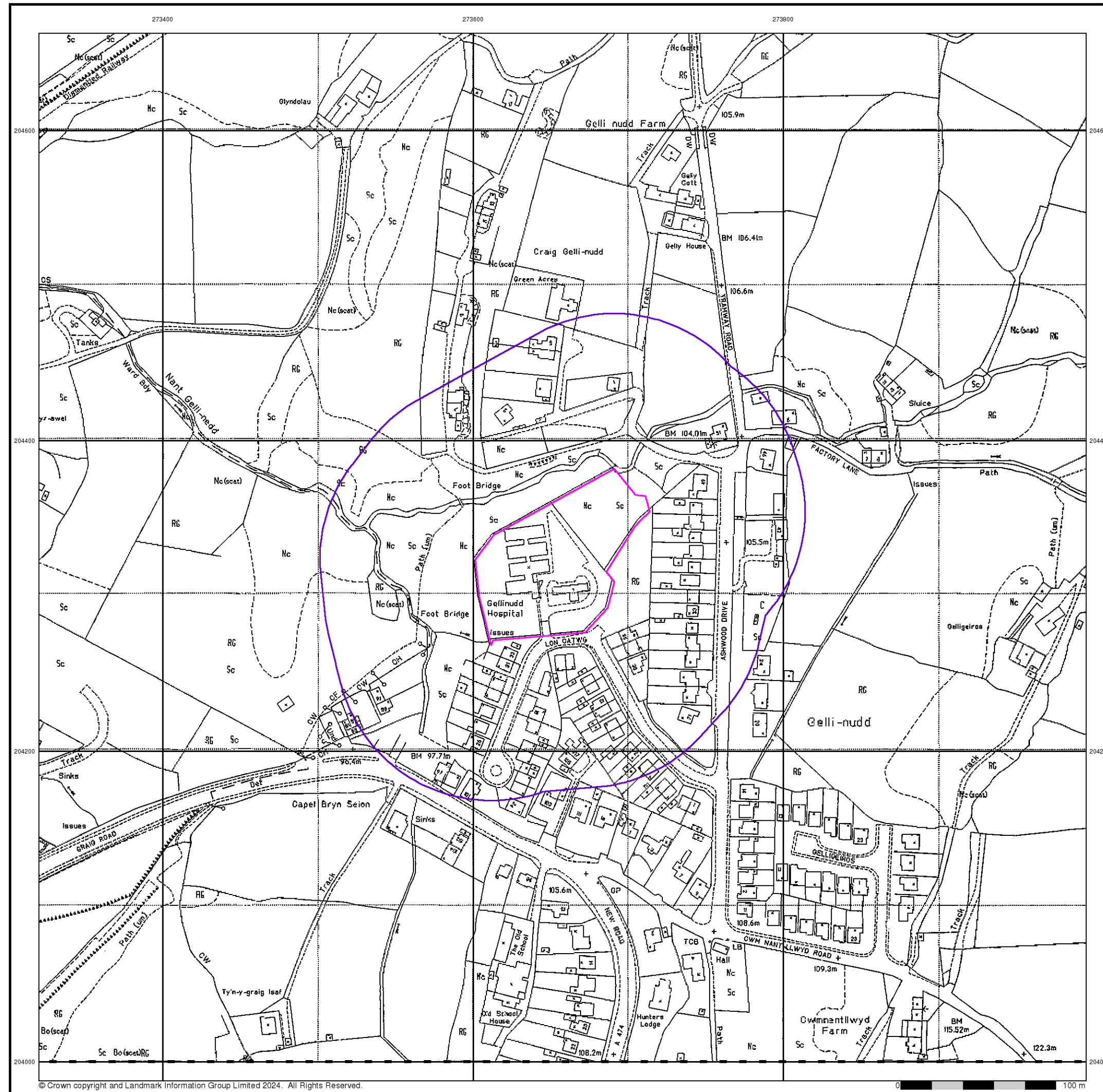
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
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Site Area (Ha): 0.76
Search Buffer (m): 100

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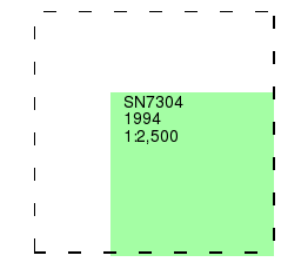
Large-Scale National Grid Data

Published 1994

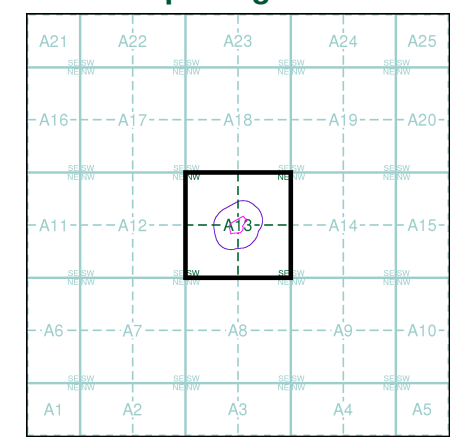
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 100

Site Details

Site at 273640, 204320



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0 100 m



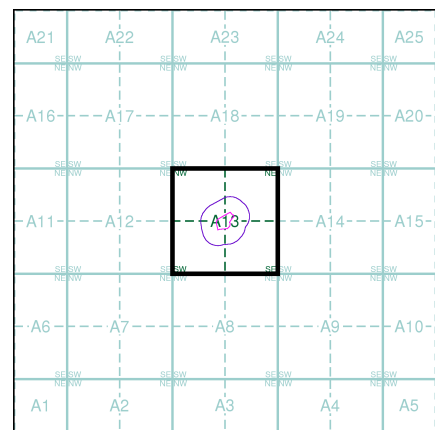
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Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

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Site at 273640, 204320

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

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

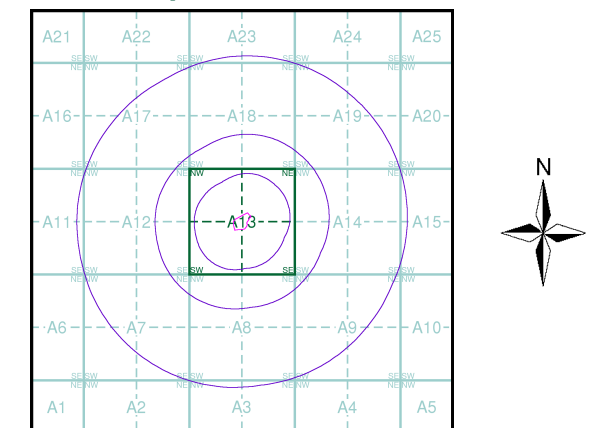


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Glamorganshire	1:10,560	1942 - 1953	7
Glamorganshire	1:10,560	1953	8
Ordnance Survey Plan	1:10,000	1964 - 1965	9
Ordnance Survey Plan	1:10,000	1968	10
Swansea	1:10,000	1976	11
Ordnance Survey Plan	1:10,000	1981 - 1989	12
Ordnance Survey Plan	1:10,000	1984	13
Ordnance Survey Plan	1:10,000	1991 - 1992	14
10K Raster Mapping	1:10,000	1999 - 2000	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2023	17

Historical Map - Slice A



Order Details

Order Number: 333014159_1_1
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Site Details

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Landmark
INFORMATION GROUP

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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A) З з (Z) П п (P) Ч ч (CH)

Б б (B) И и (I) Р р (R) Ш ш (SH)

В в (V) Й й (Y) С с (S) Щ щ (SHCH)

Г г (G) К к (K) Т т (T) Ъ ъ (-)

Д д (D) Л л (L) У у (U) Ы ы (Y)

Е е (E) М м (M) Ф ф (F) Ь ь (')

Ё ё (YO) Н н (N) Х х (KH) Э э (E)

Ж ж (ZH) О о (O) Ц ц (TS) Ю ю (YU or IU)

Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

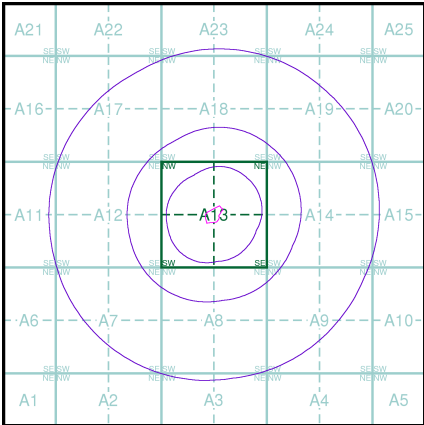
Key to Numbers on Mapping



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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Glamorganshire	1:10,560	1942 - 1953	7
Glamorganshire	1:10,560	1953	8
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Ordnance Survey Plan	1:10,000	1968	10
Swansea	1:10,000	1976	11
Ordnance Survey Plan	1:10,000	1981 - 1989	12
Ordnance Survey Plan	1:10,000	1984	13
Ordnance Survey Plan	1:10,000	1991 - 1992	14
10K Raster Mapping	1:10,000	1999 - 2000	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2023	17

Russian Map - Slice A



Order Details

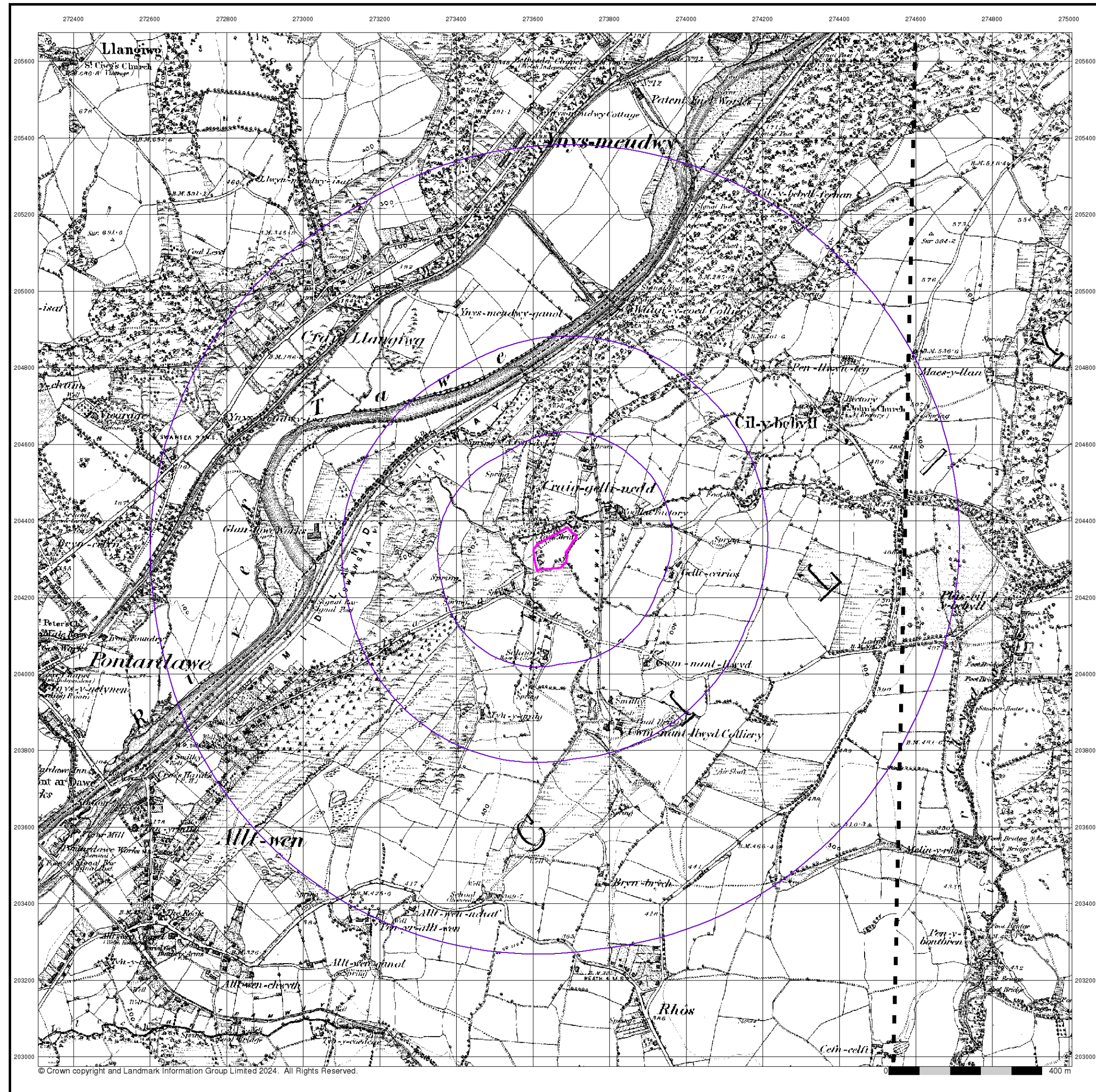
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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Geotechnical & Geoenvironmental Specialists

Glamorganshire

Published 1884

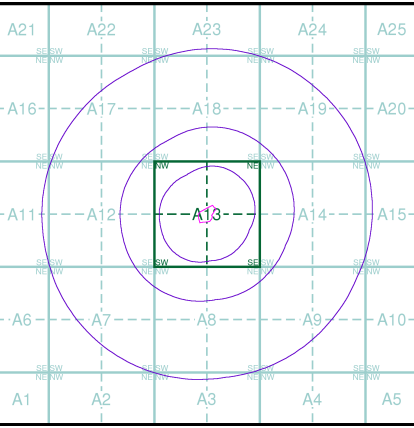
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

Map Name(s)	Date(s)
00800	1884
00900	1884

Historical Map - Slice A



Order Details

Order Number:	333014159_1_1
Customer Ref:	CA-026-24JR
National Grid Reference:	273660, 204320
Slice:	A
Site Area (Ha):	0.76
Search Buffer (m):	1000

Site Details

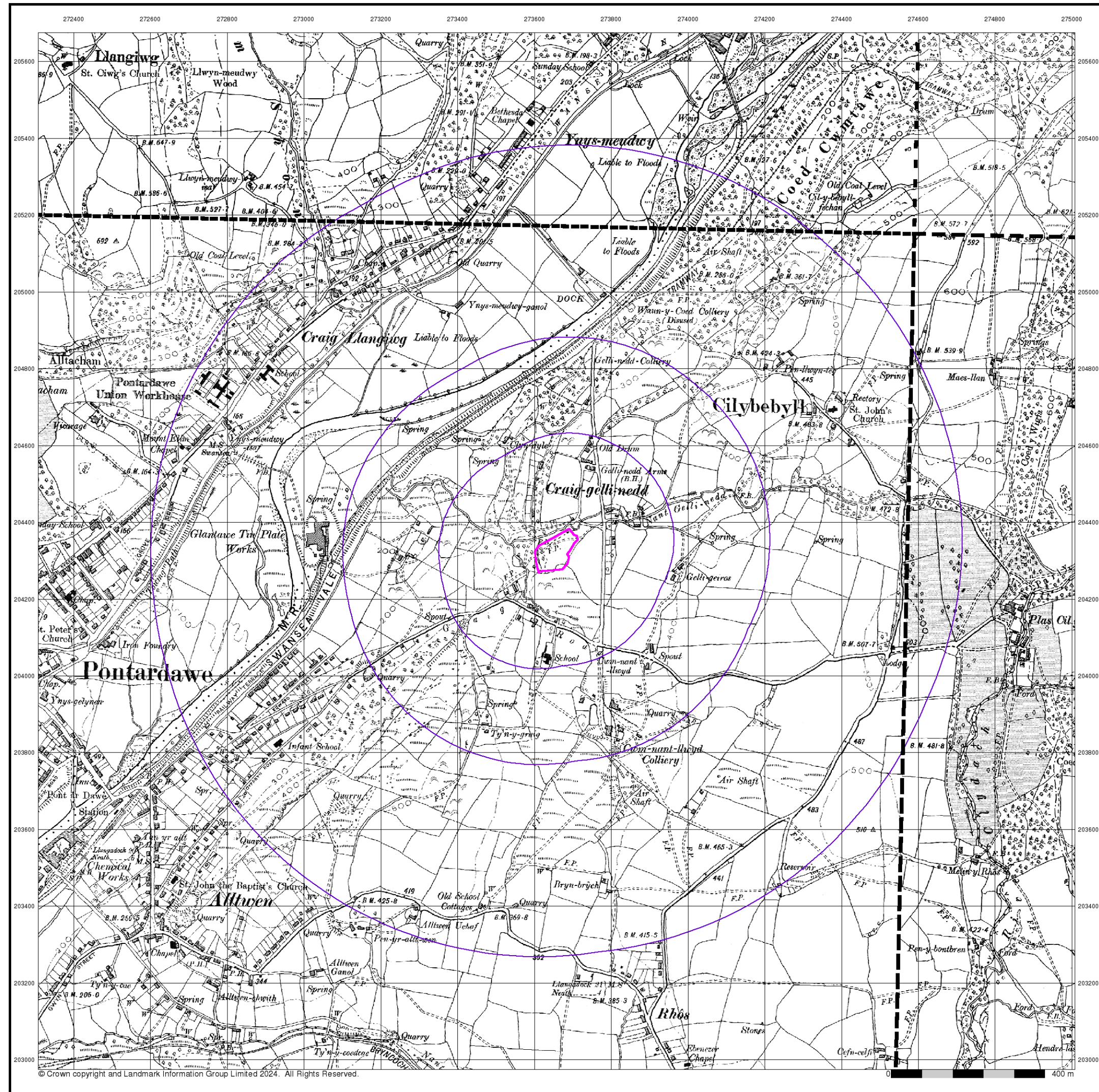
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Glamorganshire

Published 1900

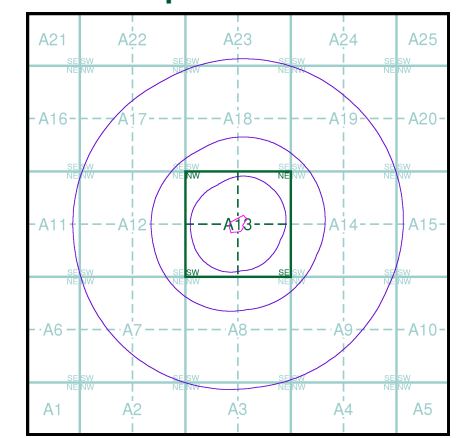
Source map scale - 1:10,560

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)

008NE 1900 1:10,560	009NW 1900 1:10,560
008SE 1900 1:10,560	009SW 1900 1:10,560

Historical Map - Slice A



Order Details

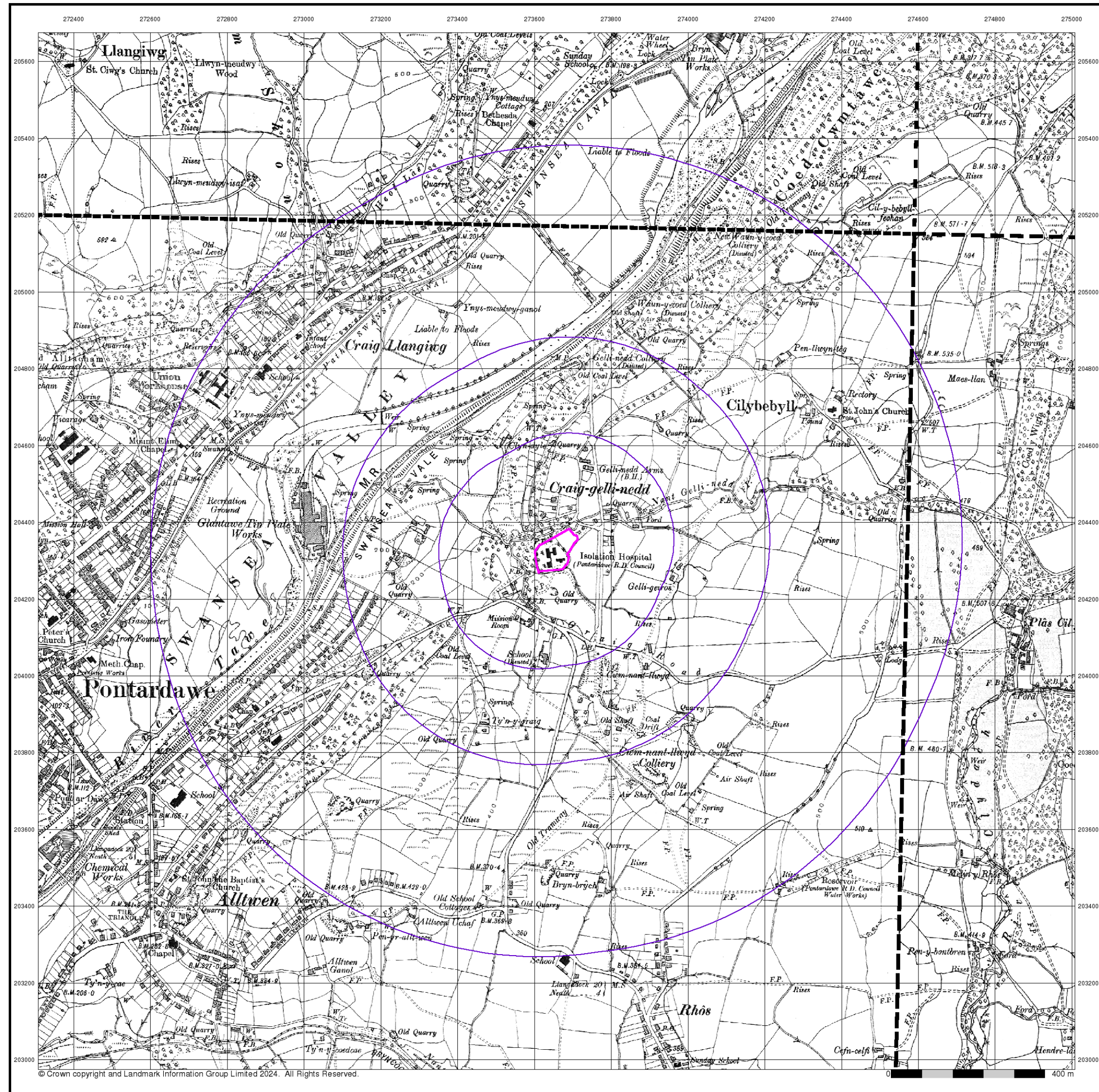
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Customer Ref: CA-026-24JR
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Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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Glamorganshire

Published 1921

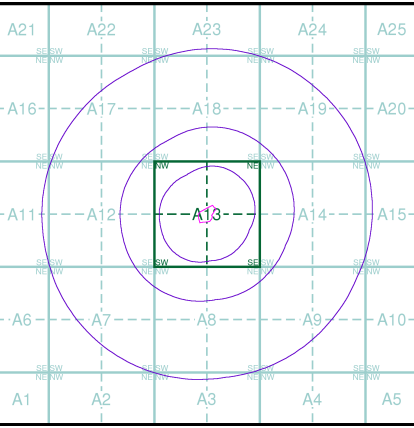
Source map scale - 1:10,560

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)

008NE 1921 1:10,560	009NW 1921 1:10,560
008SE 1921 1:10,560	009SW 1921 1:10,560

Historical Map - Slice A



Order Details

Order Number:	333014159_1_1
Customer Ref:	CA-026-24JR
National Grid Reference:	273660, 204320
Slice:	A
Site Area (Ha):	0.76
Search Buffer (m):	1000

Site Details

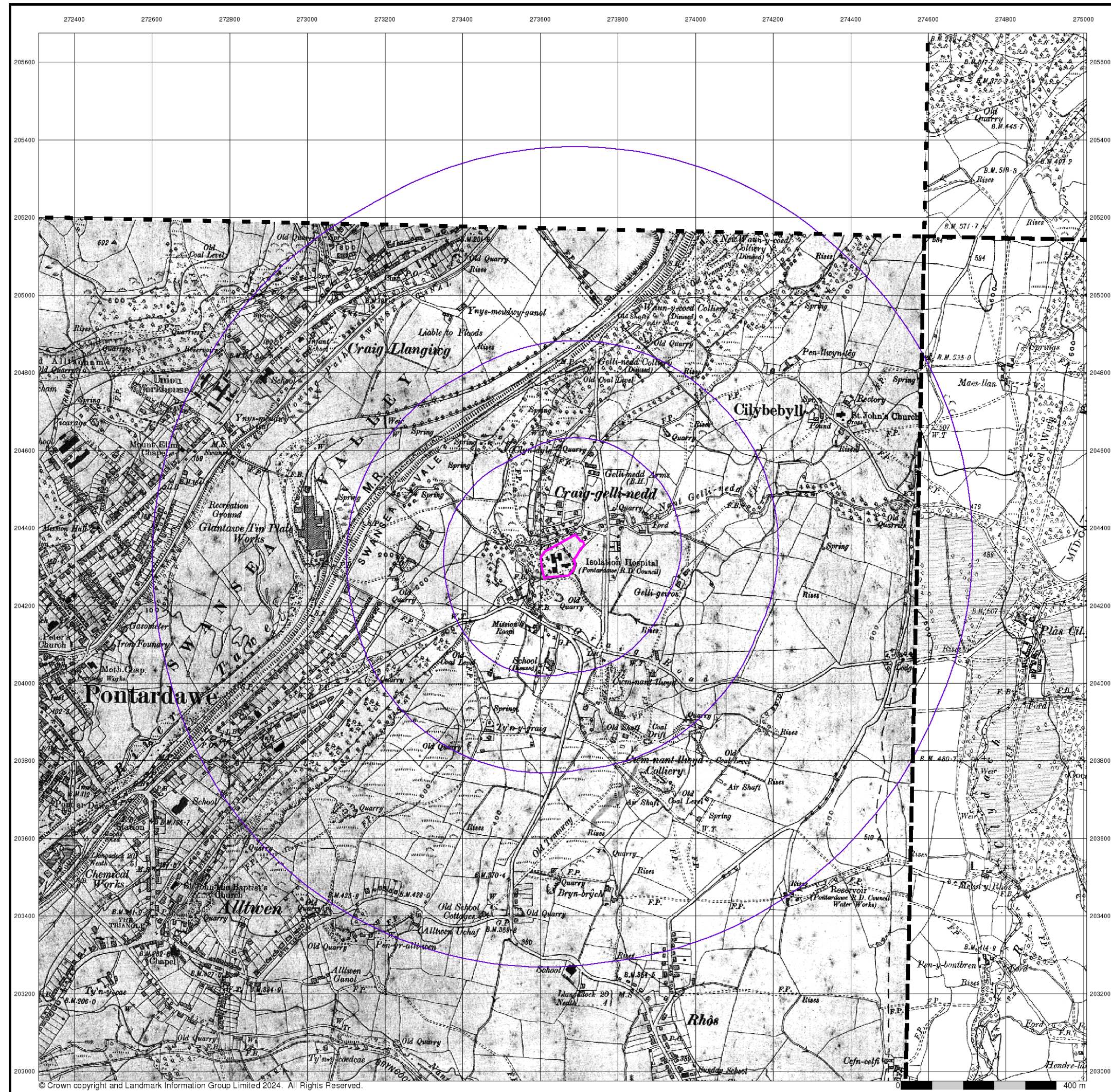
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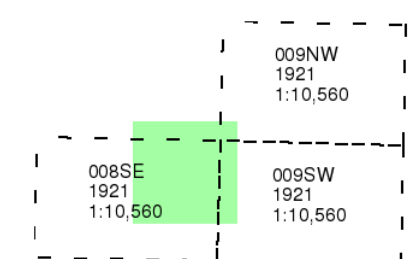
Glamorganshire

Published 1921

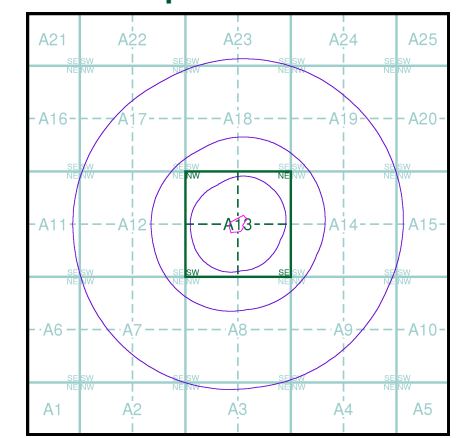
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

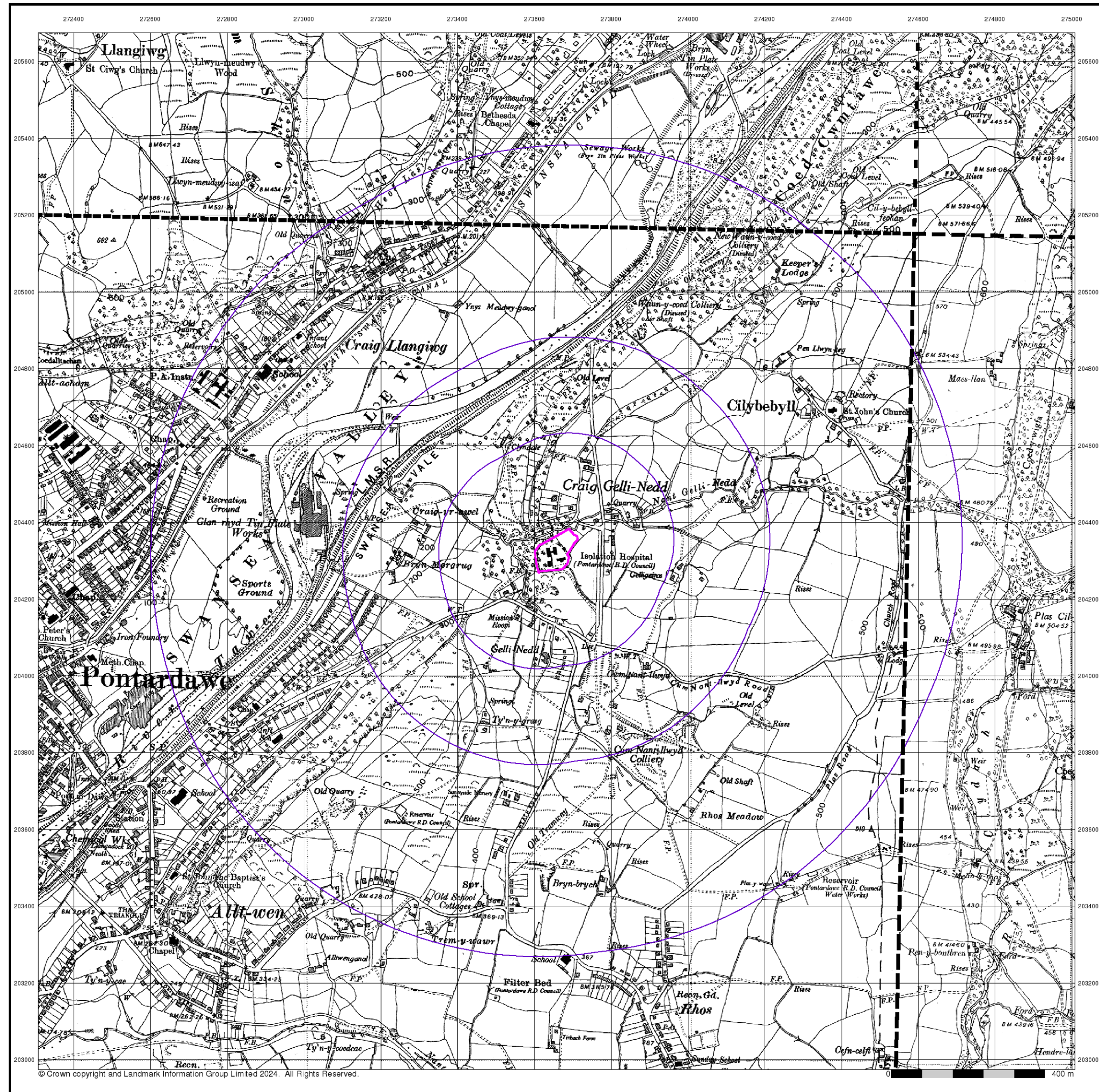
Order Number: 333014159_1_1
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Site Details

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Geotechnical & Geoenvironmental Specialists

Glamorganshire

Published 1942 - 1953

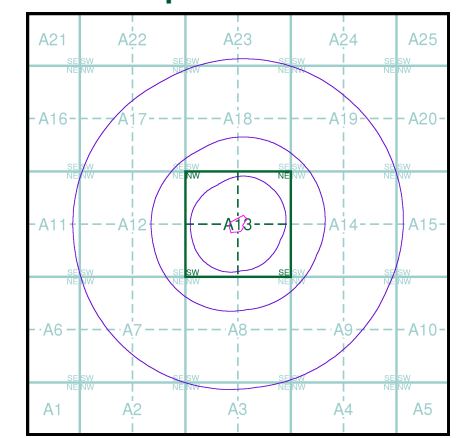
Source map scale - 1:10,560

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)

008NE 1953 1:10,560	009NW 1953 1:10,560
008SE 1942 1:10,560	009SW 1953 1:10,560

Historical Map - Slice A



Order Details

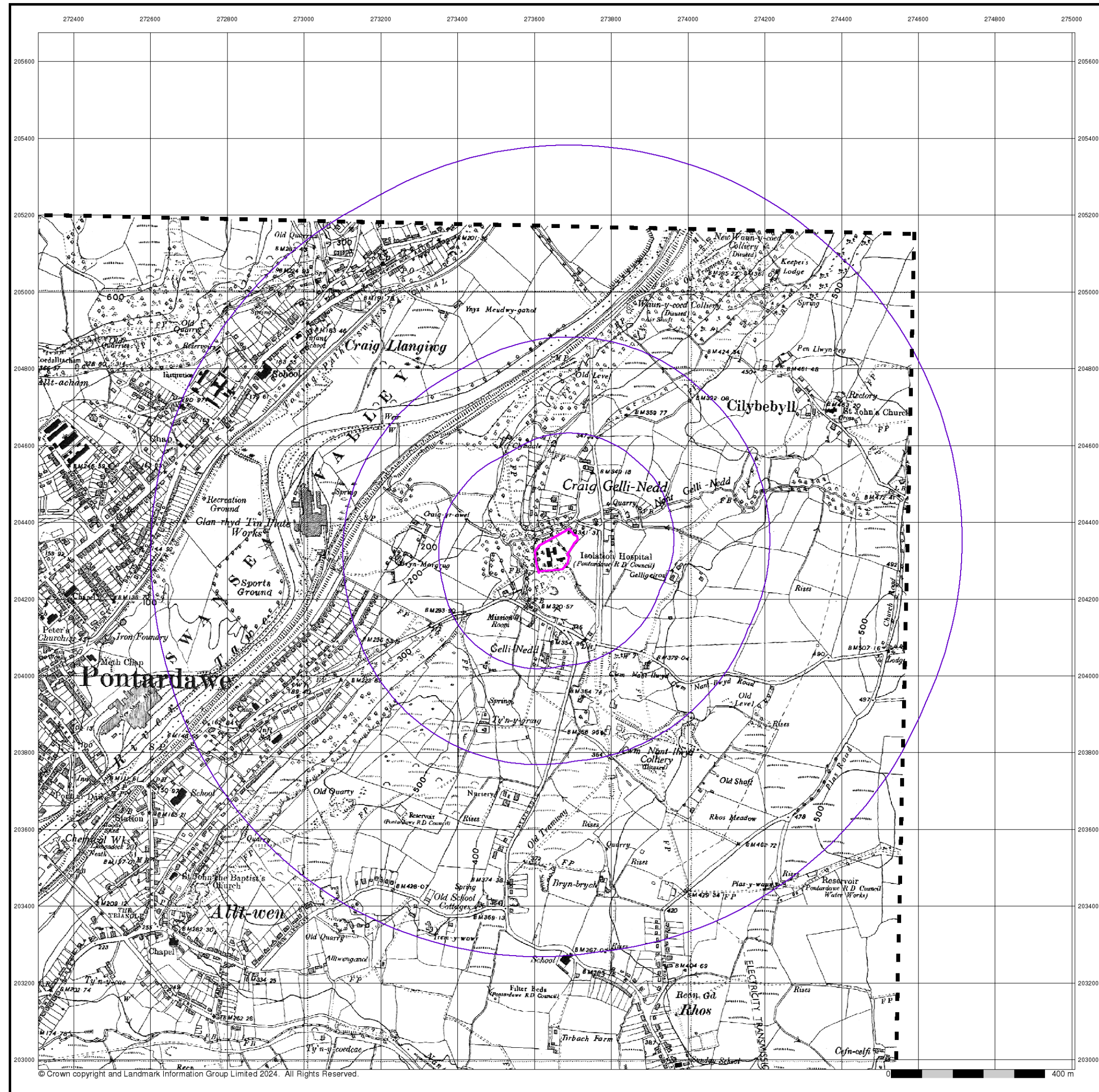
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Customer Ref: CA-026-24JR
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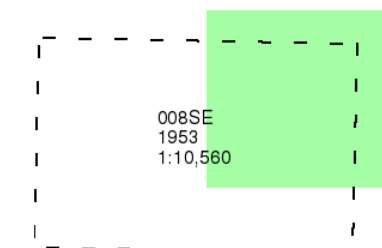
Glamorganshire

Published 1953

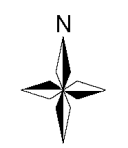
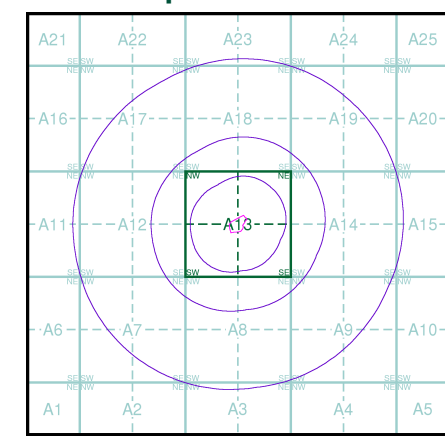
Source map scale - 1:10,560

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

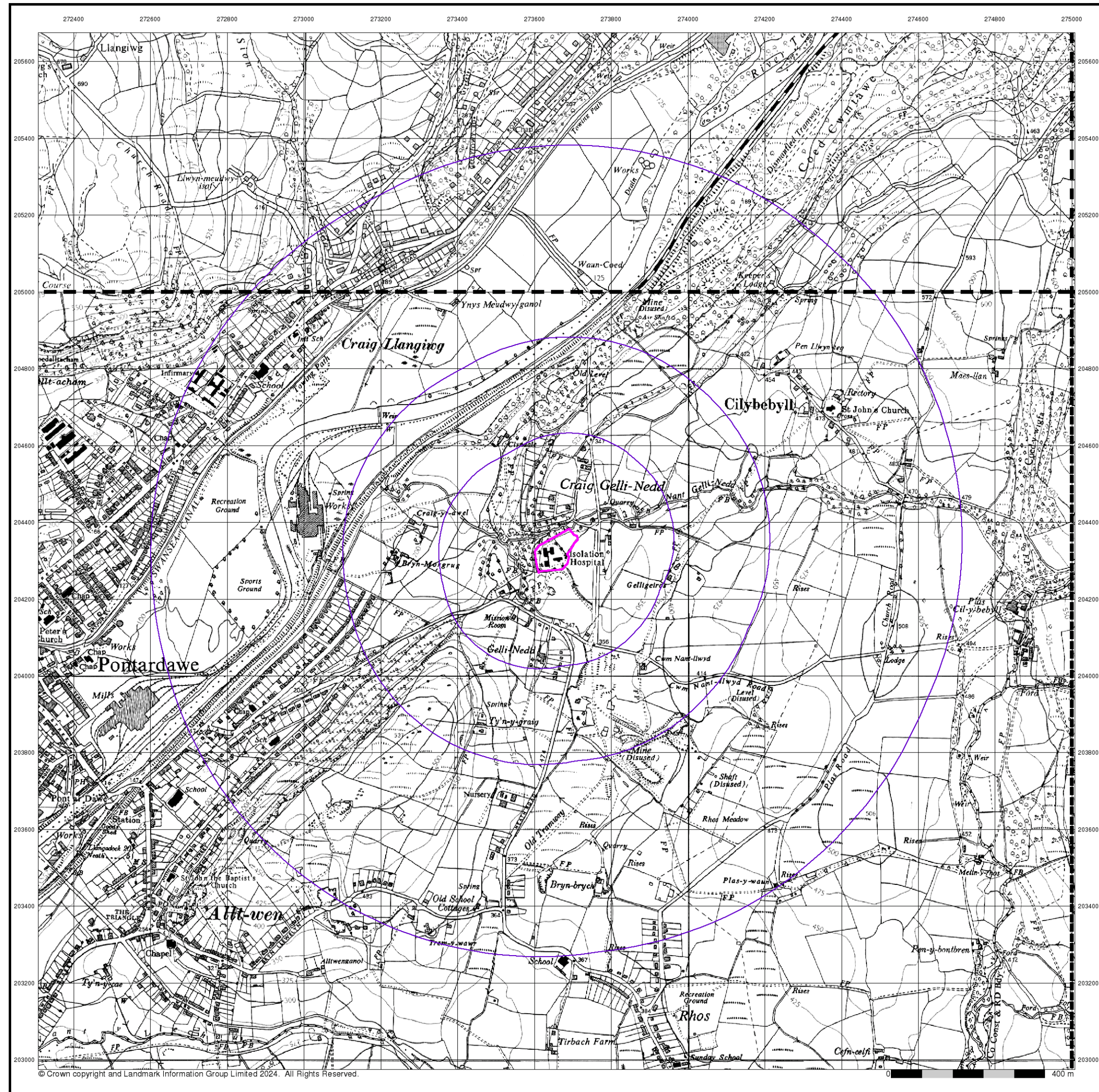
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Ordnance Survey Plan

Published 1964 - 1965

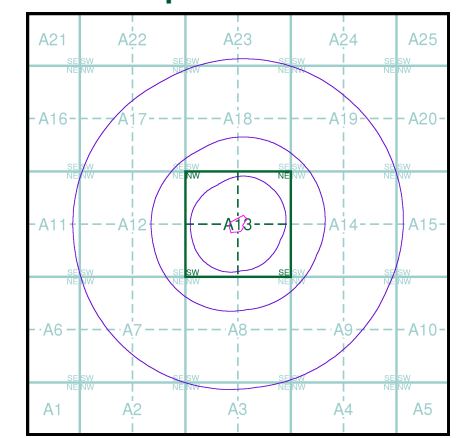
Source map scale - 1:10,000

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)

SN70NW	SN70NE
1965	1965
1:10,560	1:10,560
SN70SW	SN70SE
1964	1964
1:10,560	1:10,560

Historical Map - Slice A



Order Details

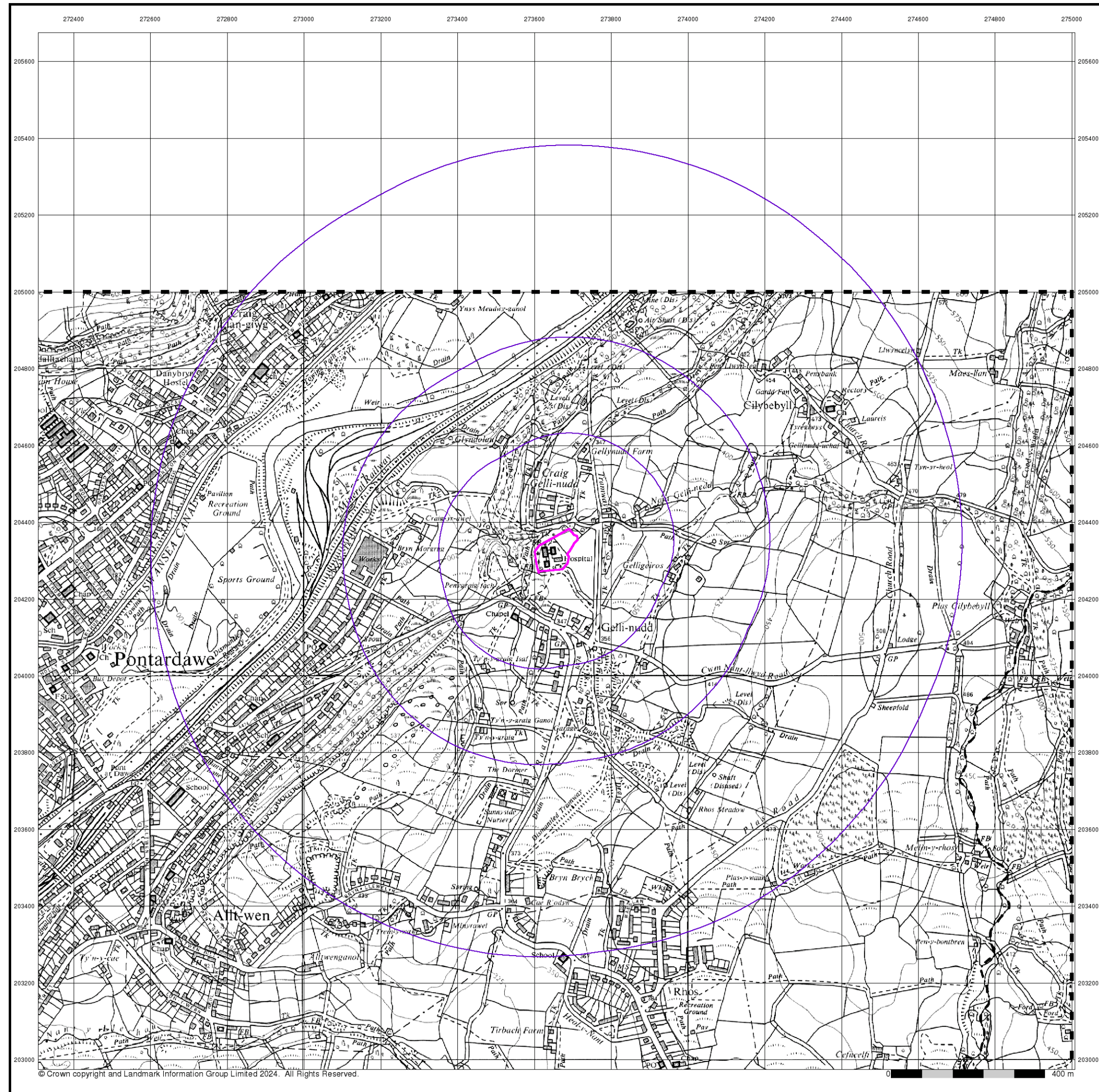
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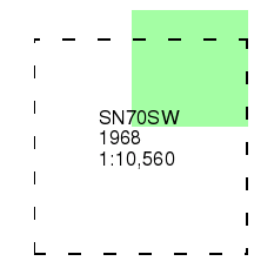
Ordnance Survey Plan

Published 1968

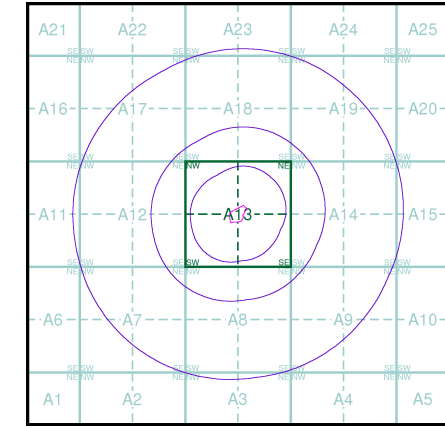
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

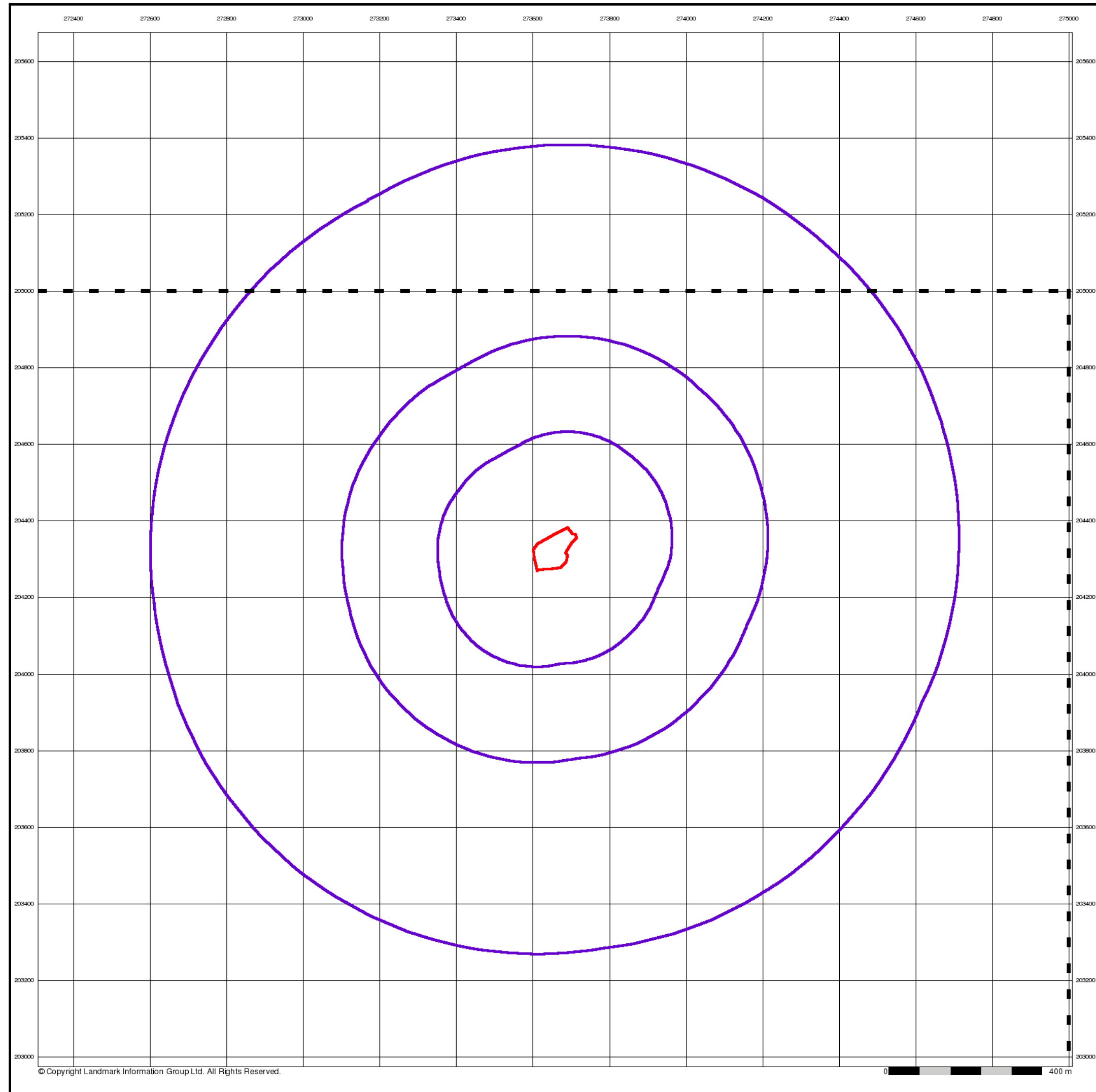
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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





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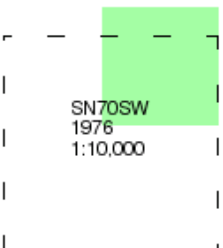
Swansea

Published 1976

Source map scale - 1:10,000

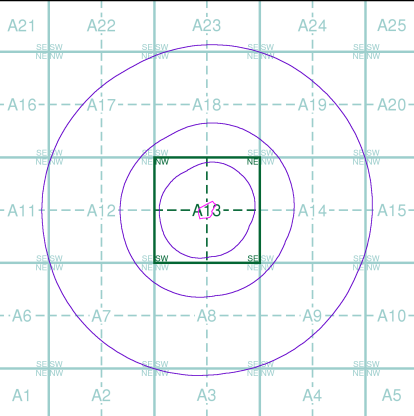
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



SN70SW
1976
1:10,000

Russian Map - Slice A



Order Details

Order Number:	333014159_1_1
Customer Ref:	CA-O26-24JR
National Grid Reference:	273660, 204320
Slice:	A
Site Area (Ha):	0.76
Search Buffer (m):	1000

Site Details

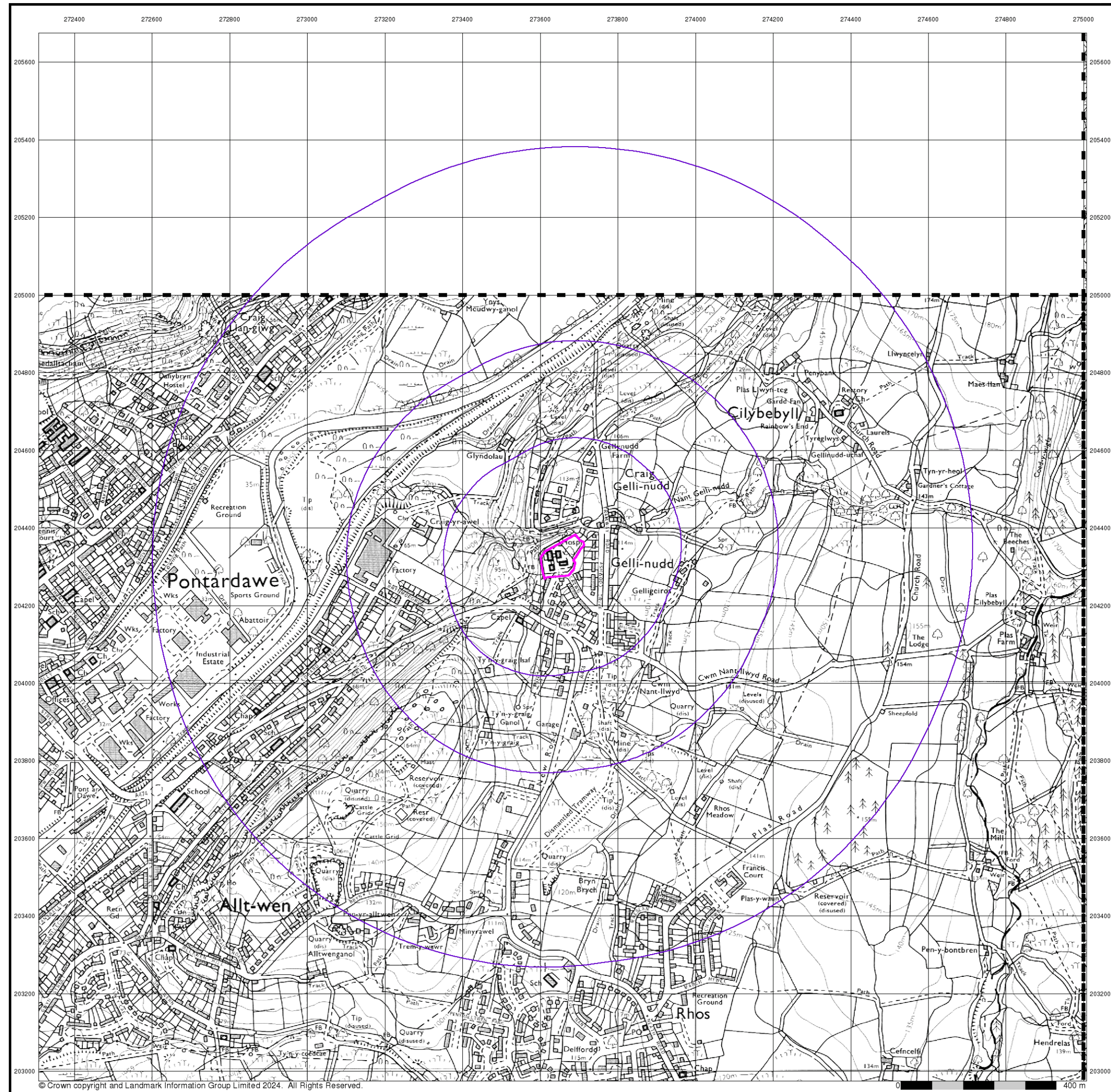
Site at 273640, 204320



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Ordnance Survey Plan

Published 1981 - 1989

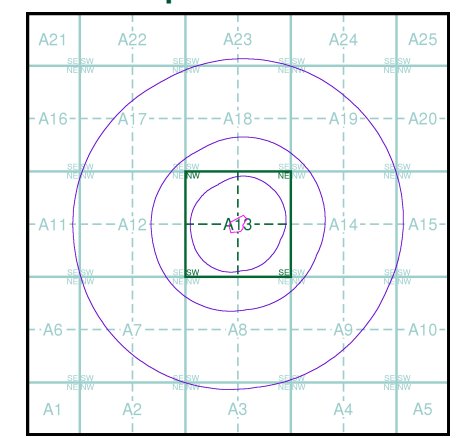
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SN70NE	1981	1:10,560
SN70SW	1982	1:10,000
SN70SE	1989	1:10,000

Historical Map - Slice A



Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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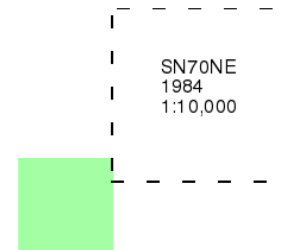
Ordnance Survey Plan

Published 1984

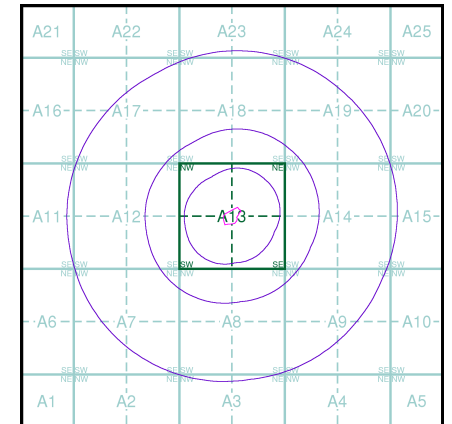
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

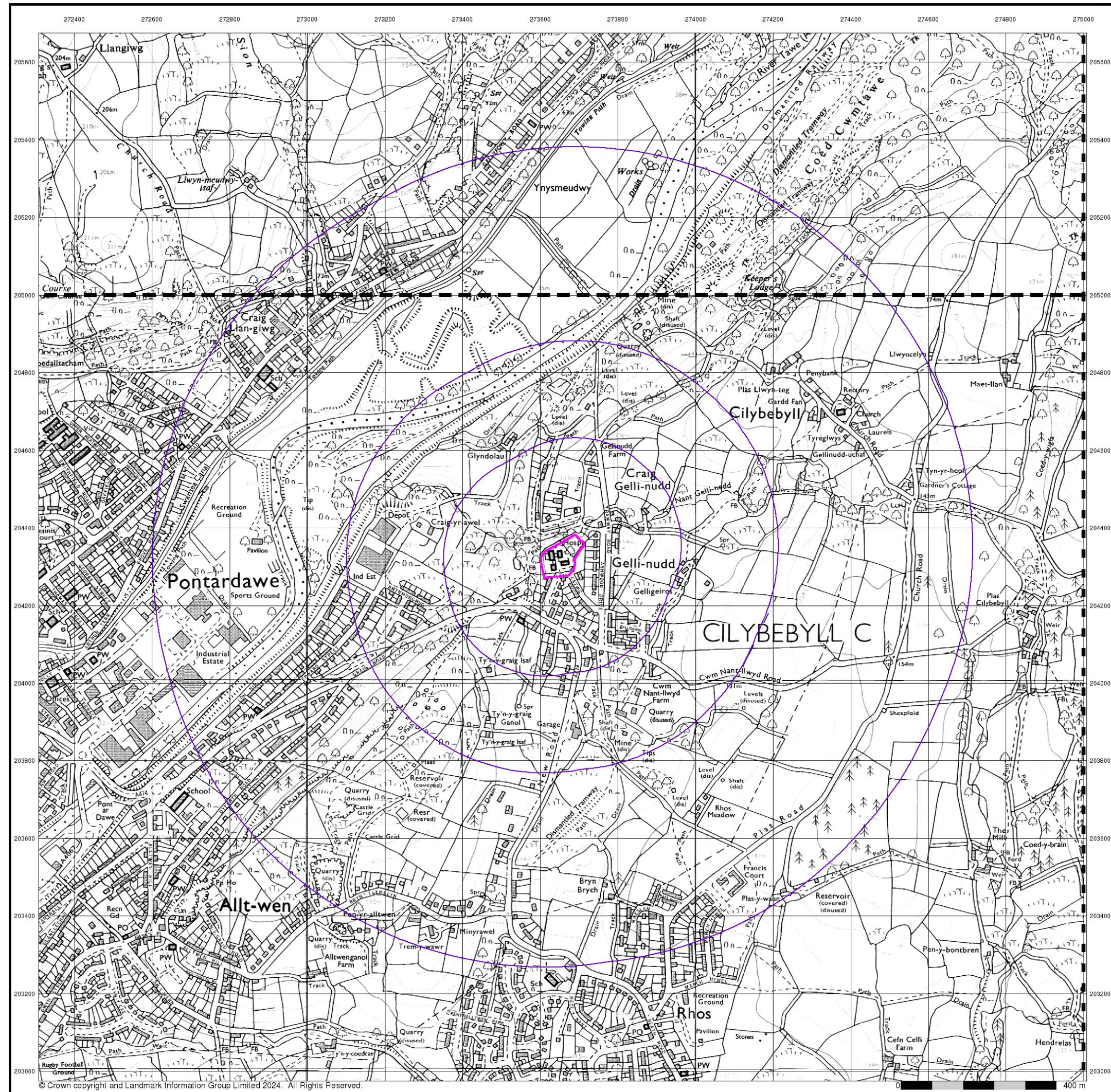
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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Ordnance Survey Plan

Published 1991 - 1992

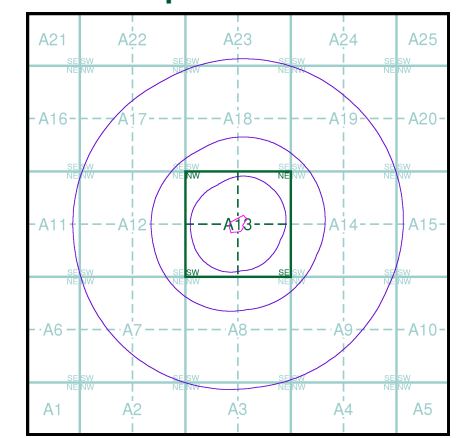
Source map scale - 1:10,000

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)

SN70NW	1991
SN70SW	1992

Historical Map - Slice A



Order Details

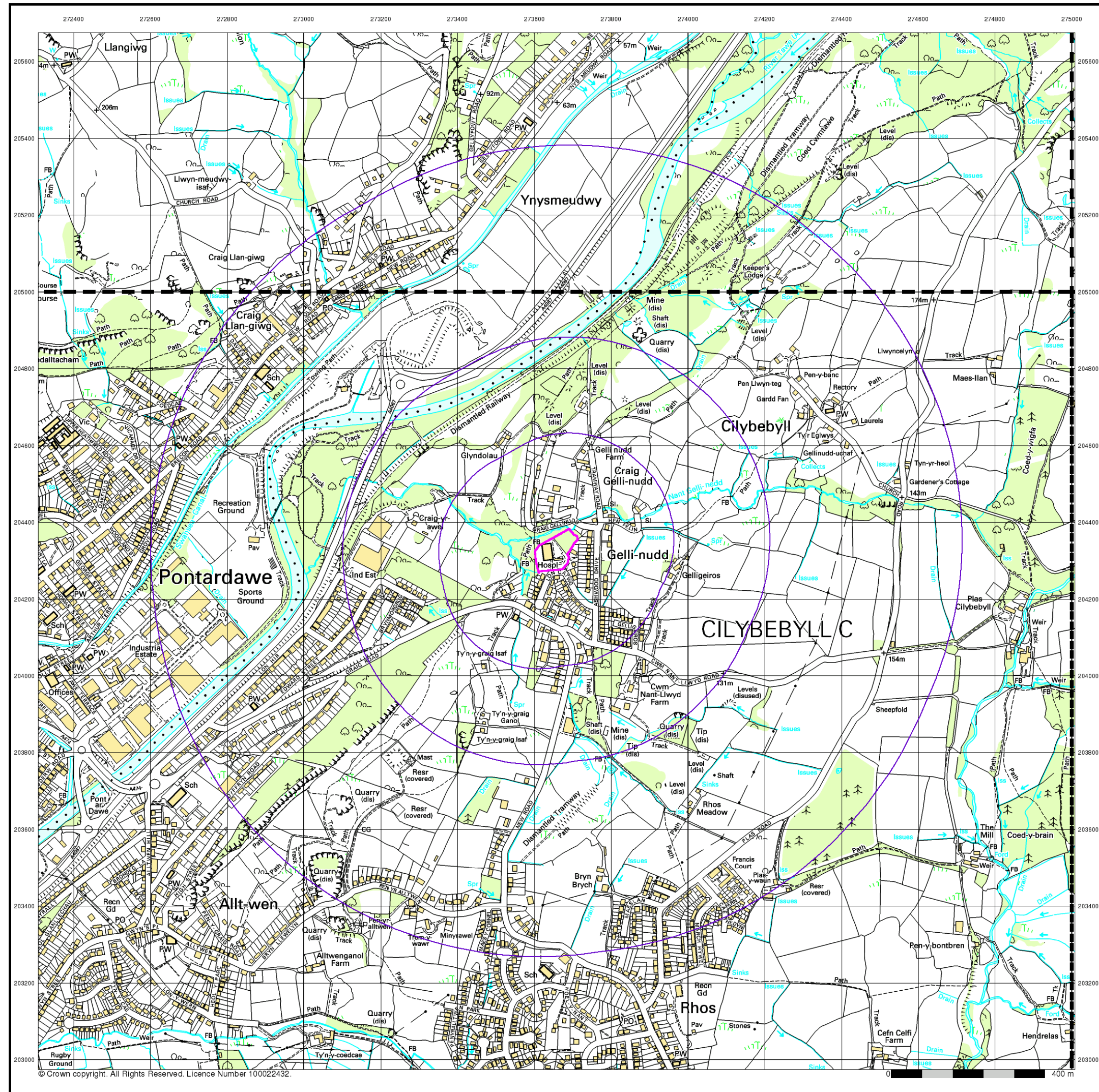
Order Number:	333014159_1_1
Customer Ref:	CA-O26-24JR
National Grid Reference:	273660, 204320
Slice:	A
Site Area (Ha):	0.76
Search Buffer (m):	1000

Site Details

Site at 273640, 204320



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10k Raster Mapping

Published 1999 - 2000

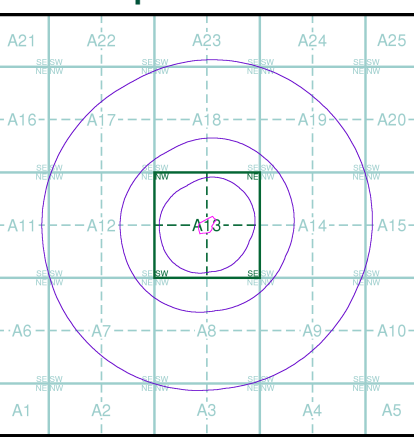
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SN70NW	SN70NE
1999	2000
1:10,000	1:10,000
SN70SW	SN70SE
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

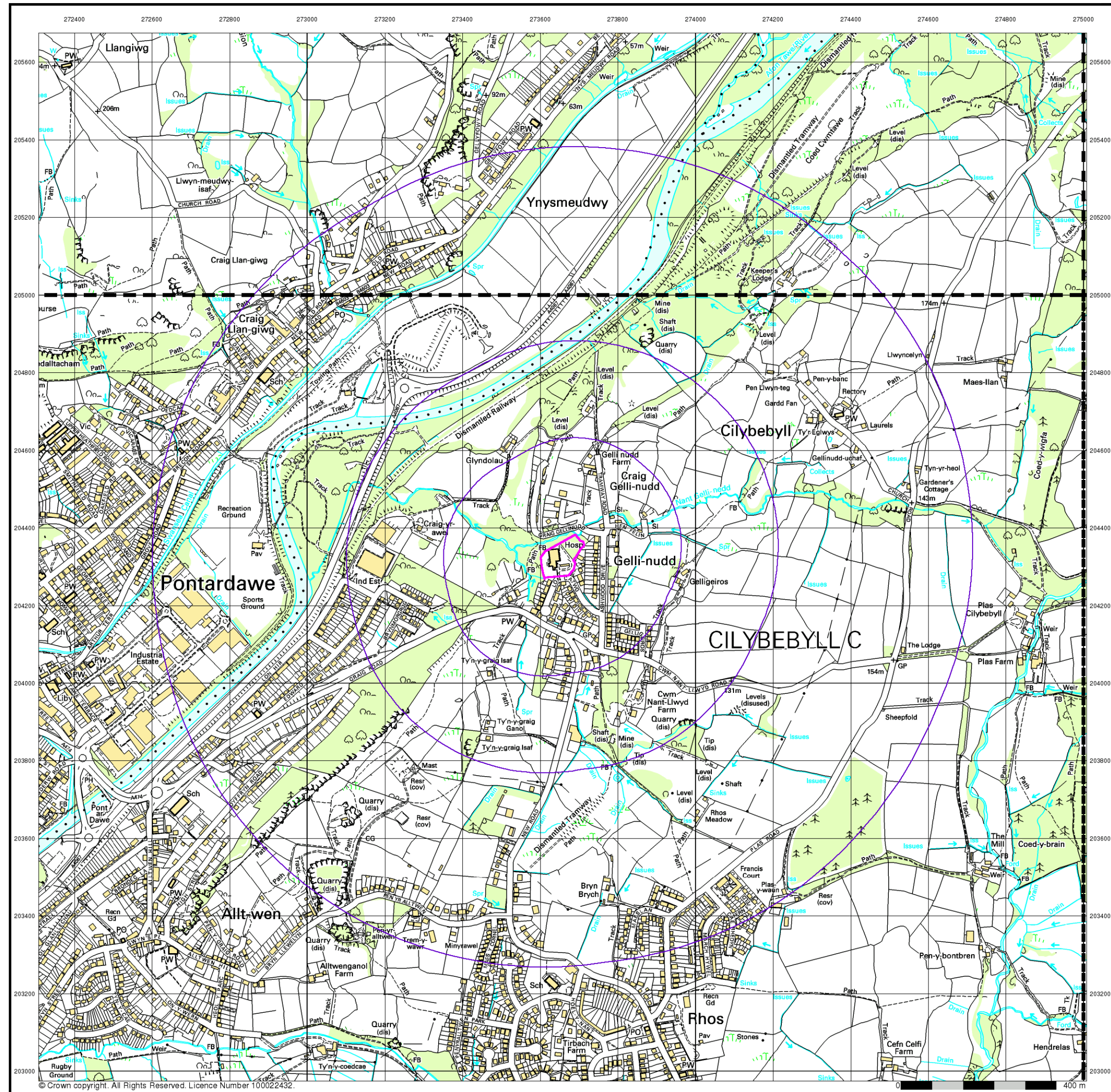
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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Geotechnical & Geoenvironmental Specialists

10k Raster Mapping

Published 2006

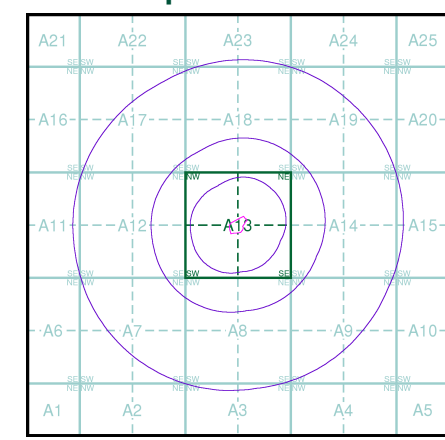
Source map scale - 1:10,000

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)

SN70NW	SN70NE
2006	2006
1:10,000	1:10,000
SN70SW	SN70SE
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

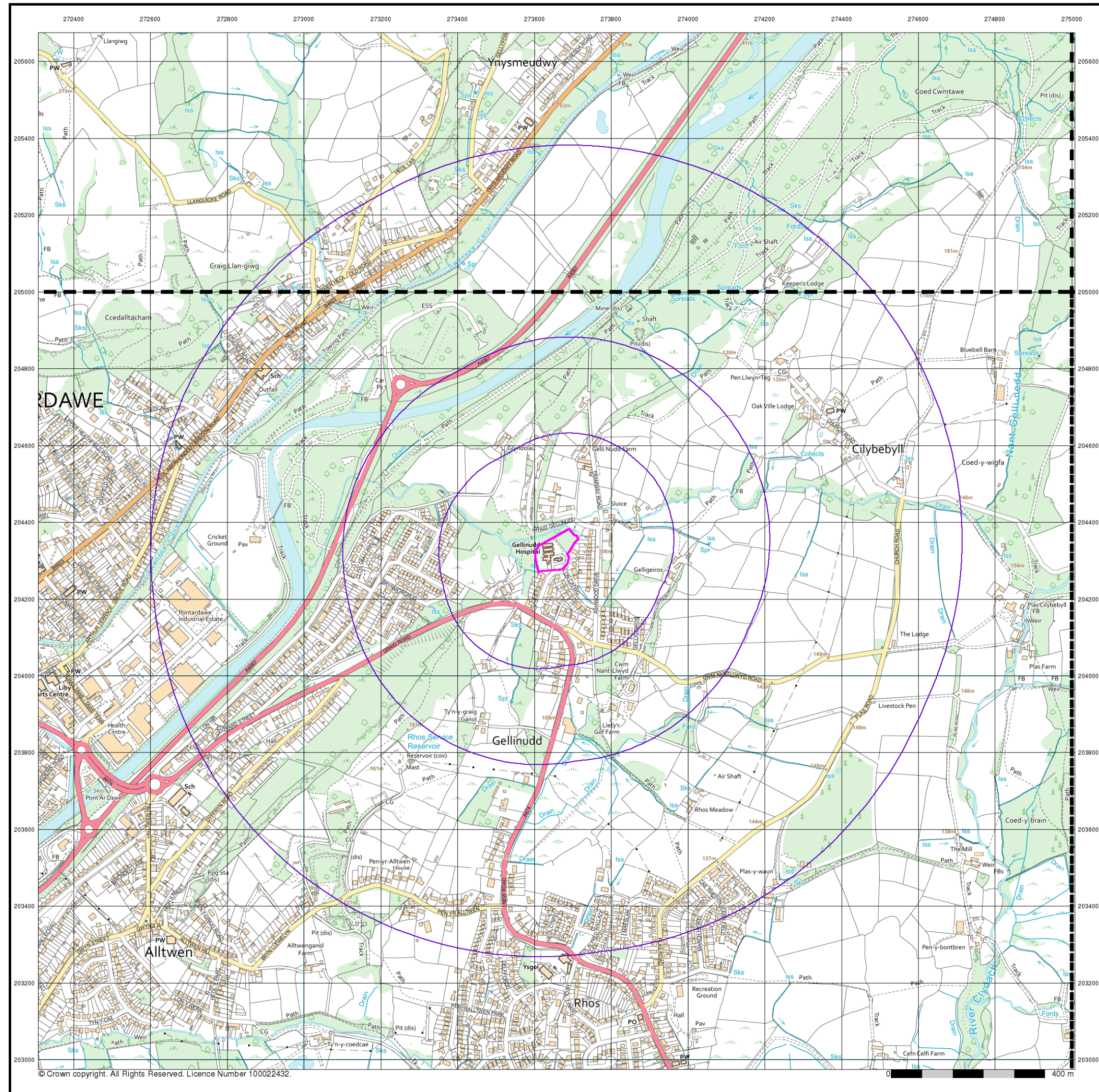
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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VectorMap Local

Published 2023

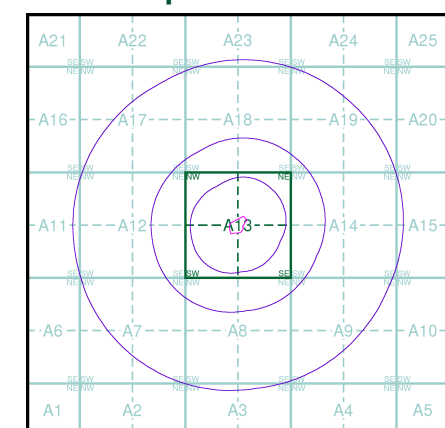
Source map scale - 1:10,000

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)

SN70NW 2023 Variable	SN70NE 2023 Variable
SN70SW 2023 Variable	SN70SE 2023 Variable

Historical Map - Slice A



Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320

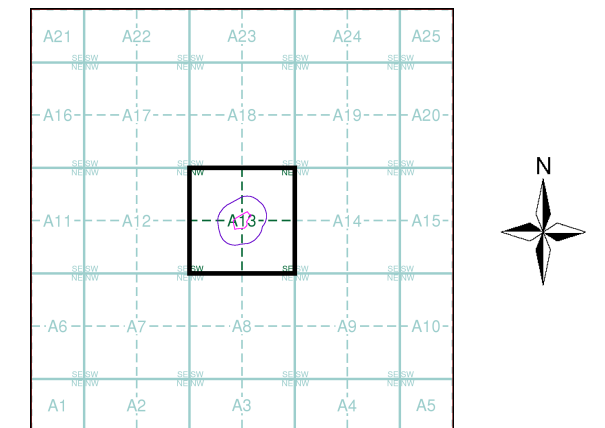


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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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
 - 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

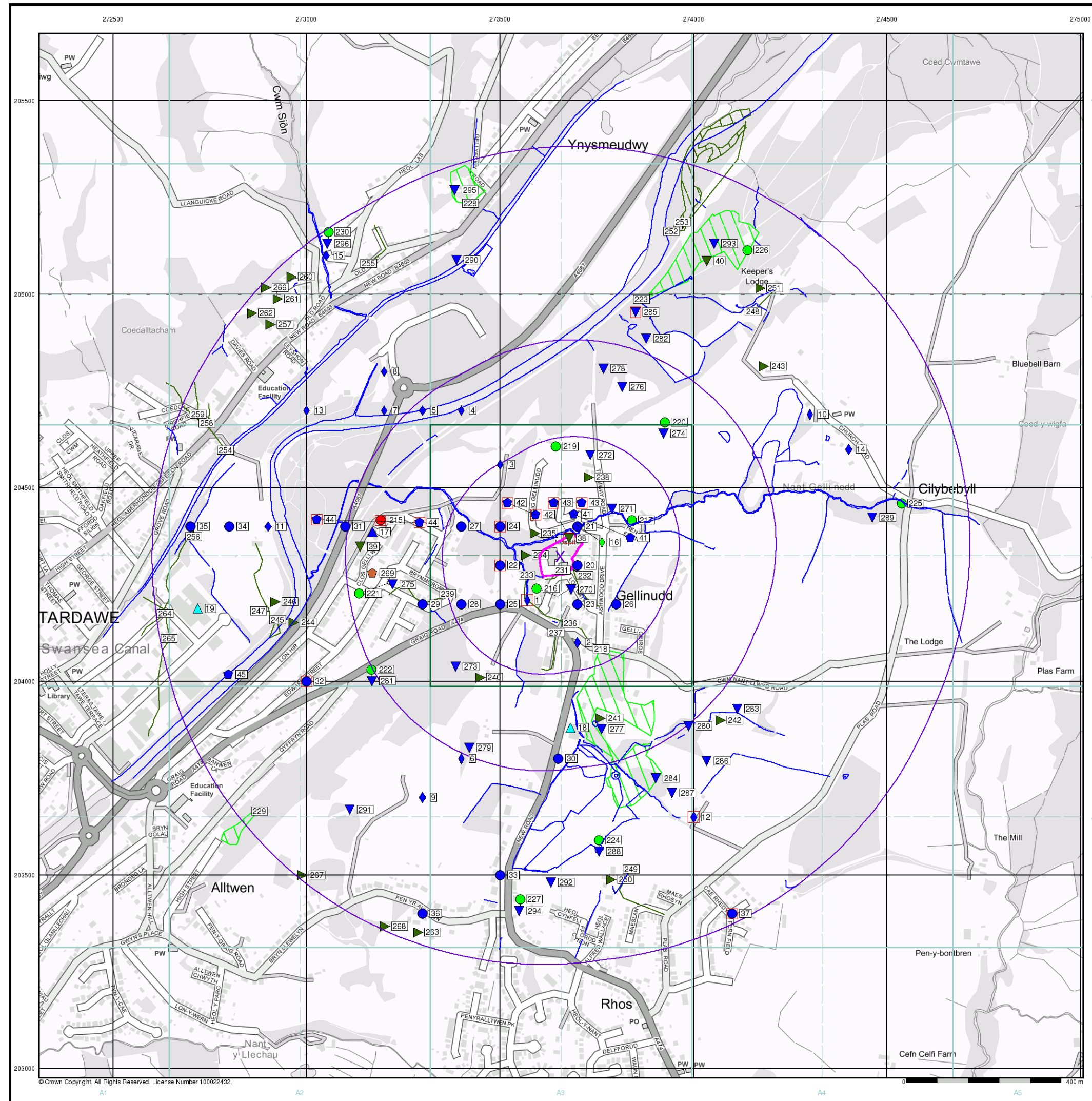


Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Plot Buffer (m): 100

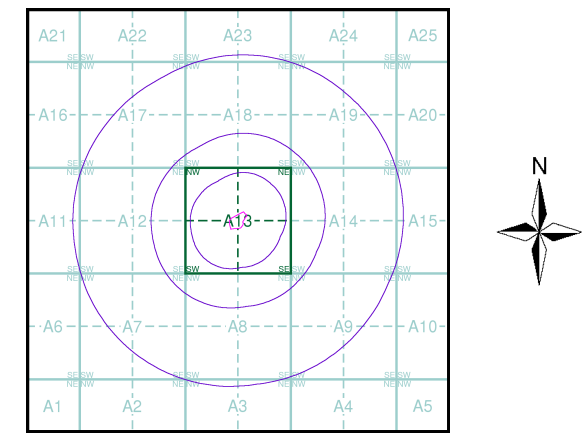
Site Details

Site at 273640, 204320



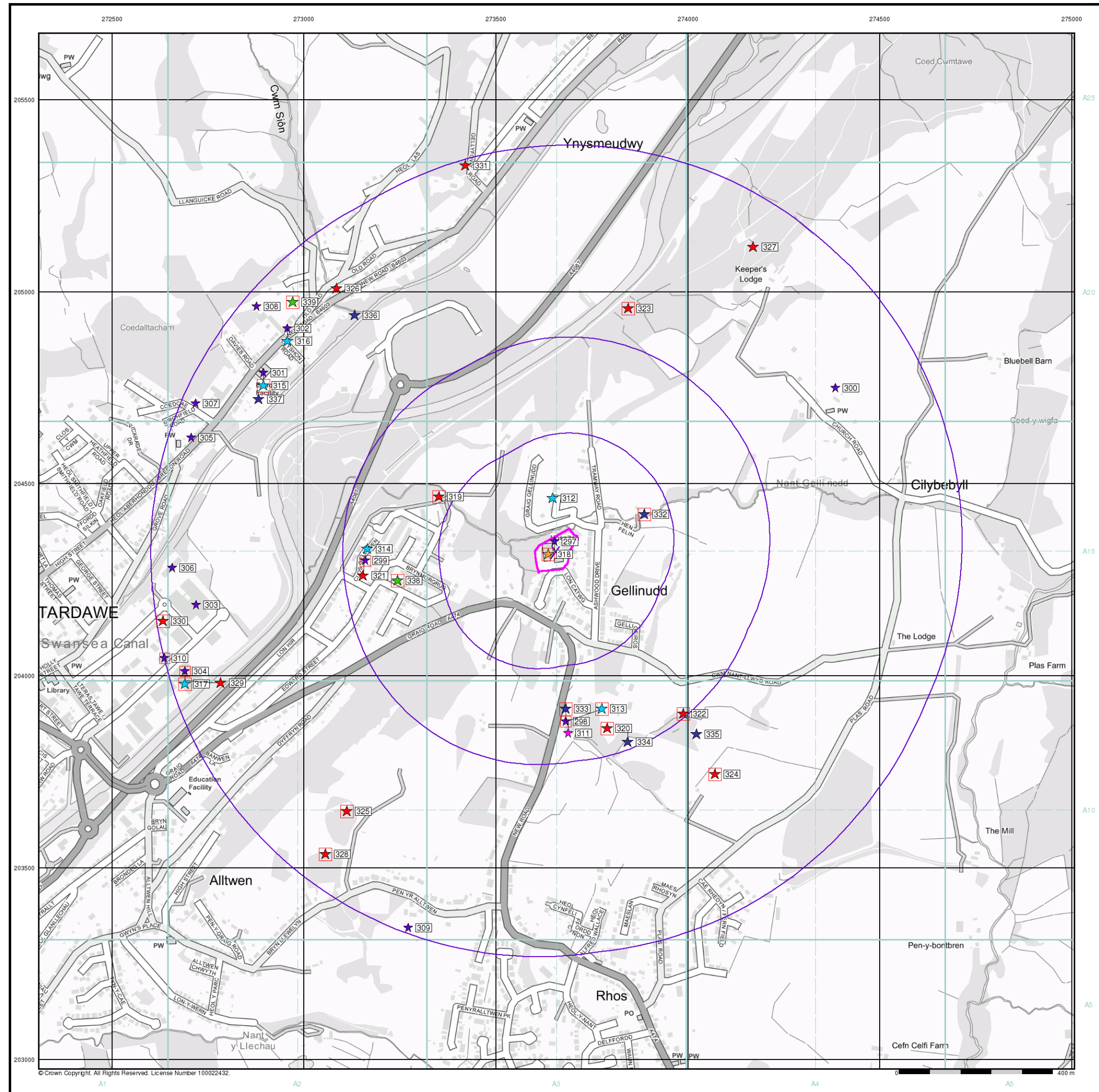
- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated 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
 - 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



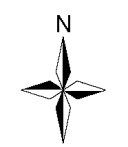
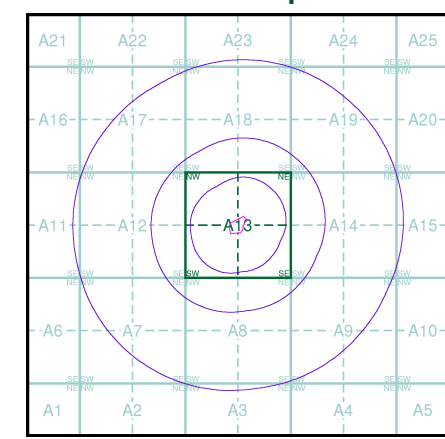
Order Details
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details
Site at 273640, 204320



- 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

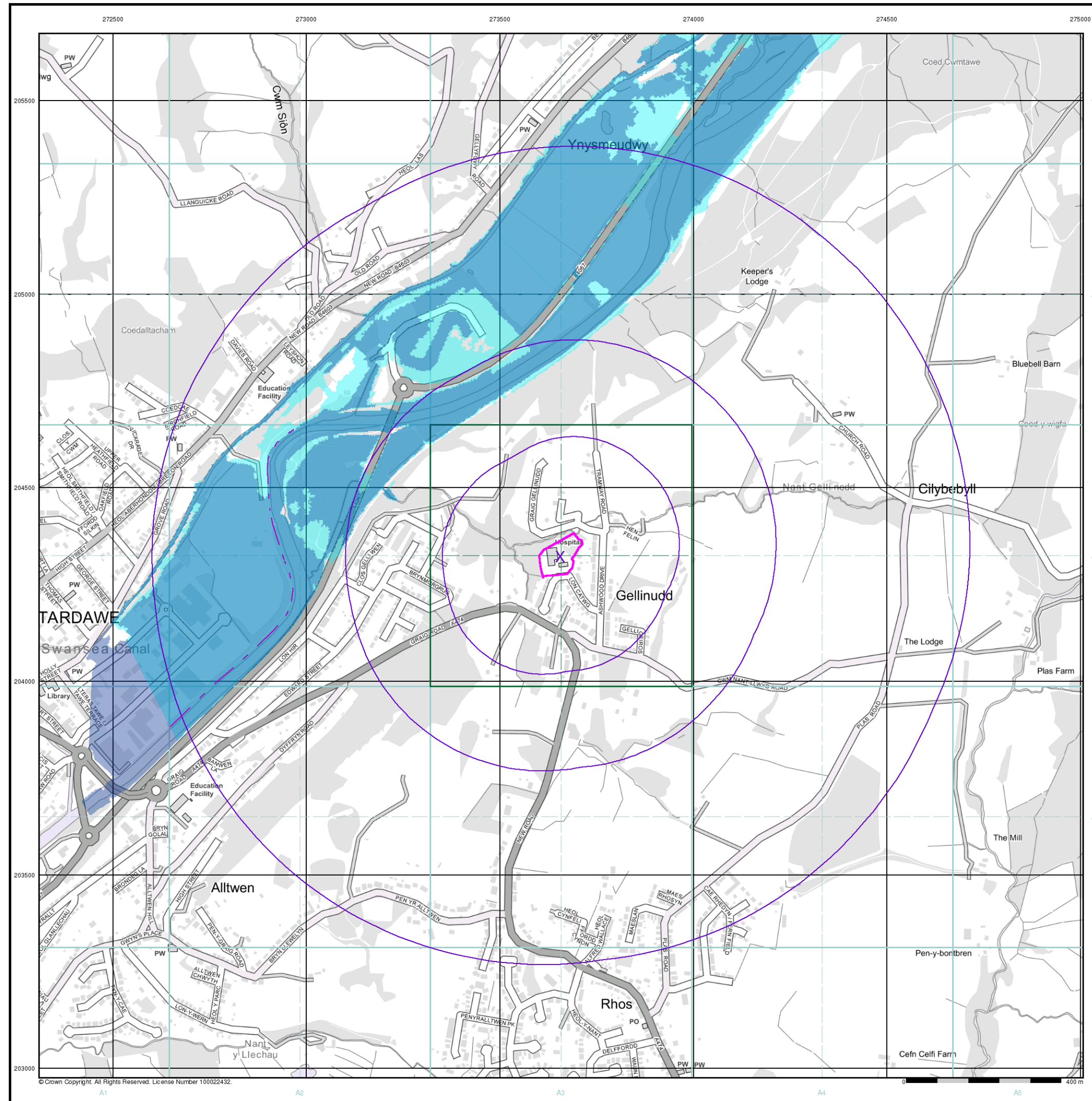


Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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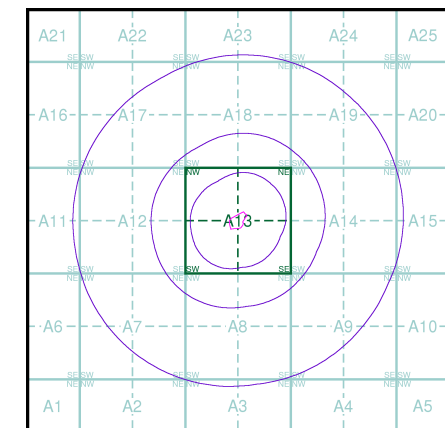
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

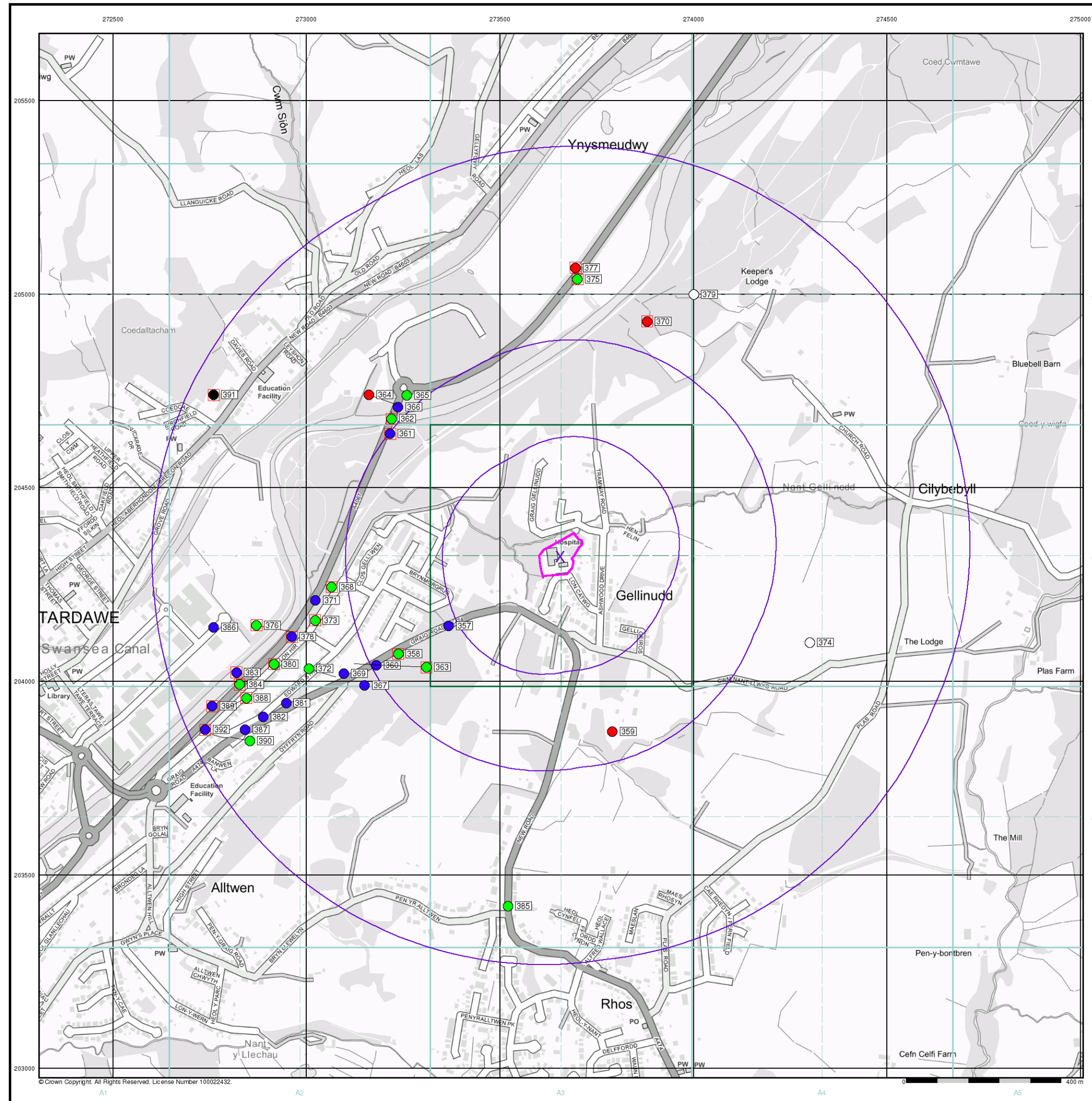


Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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General

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

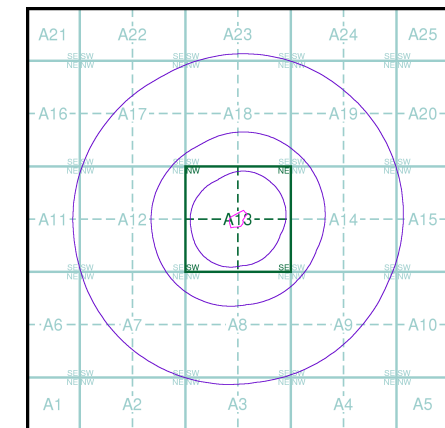
Agency and Hydrological (Boreholes)

- 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

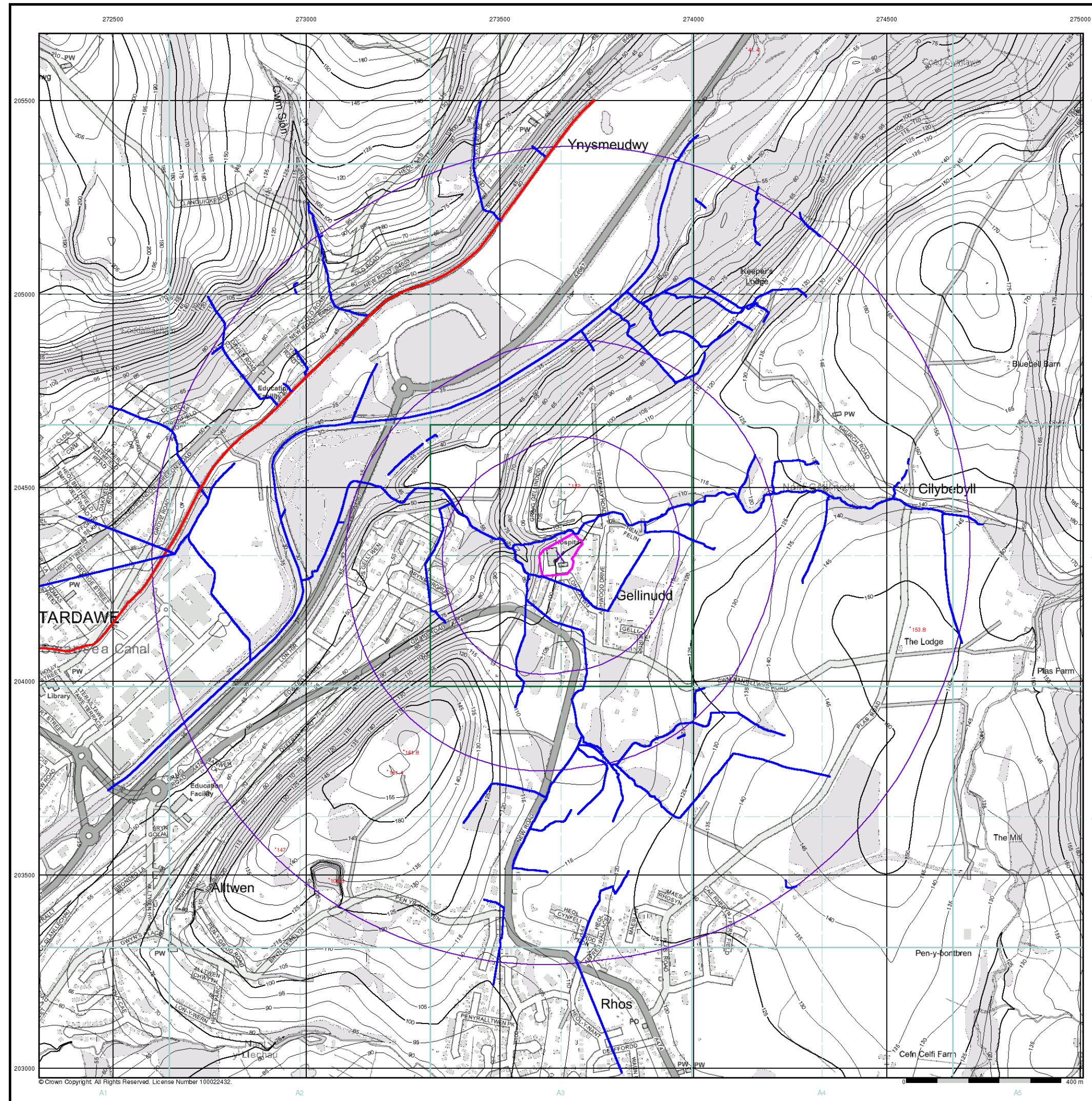
Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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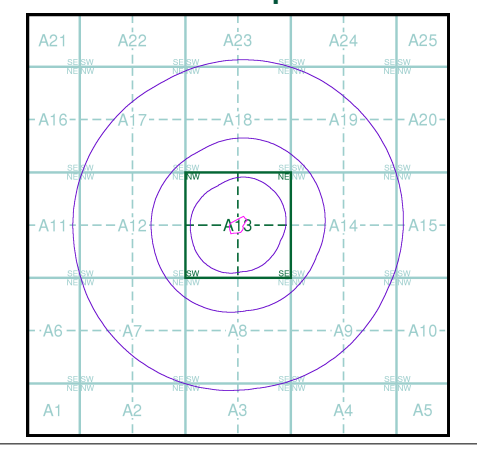


- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point

- OS Water Network Data**
- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

- Contours (height in meters)**
- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.3
- MLW: Mean Low Water
- MHW: Mean High Water

OS Water Network Map - Slice A

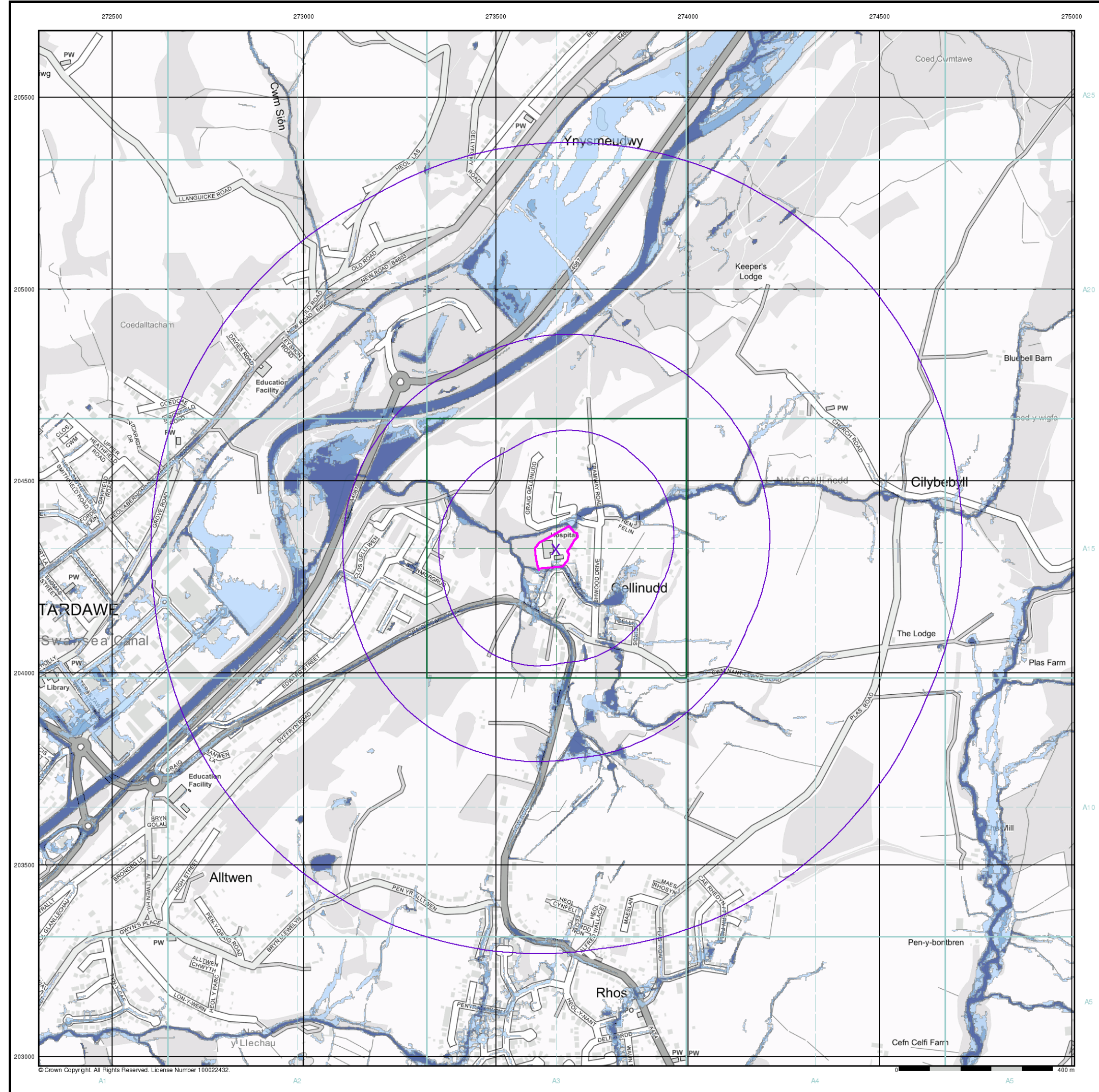


Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



General

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

Risk of Flooding from Surface Water

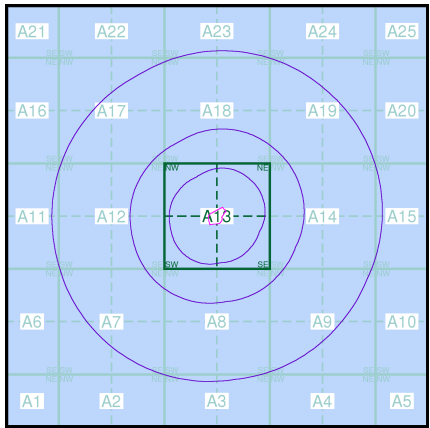
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

E/NRW Suitability Map - Slice A

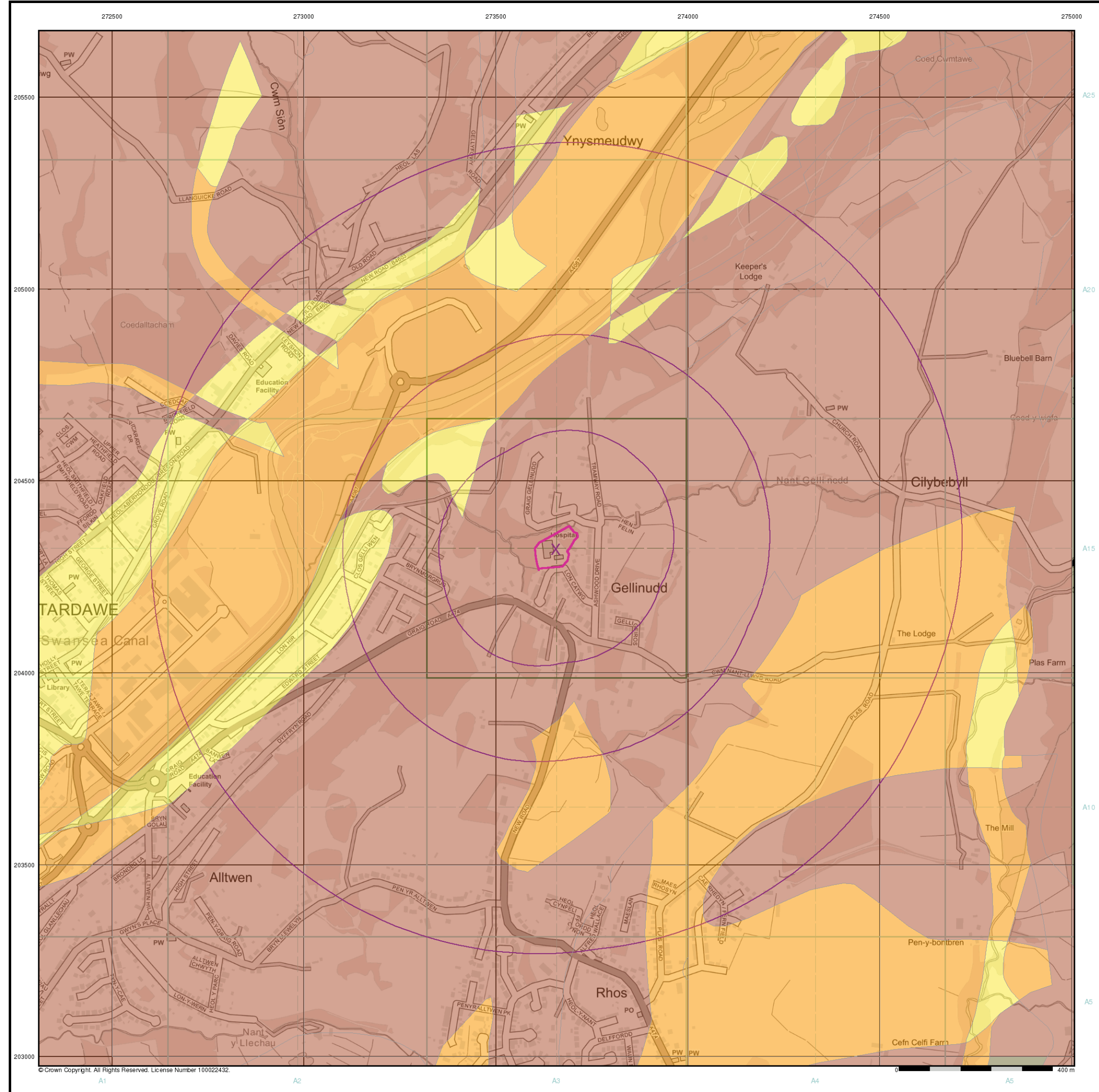


Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



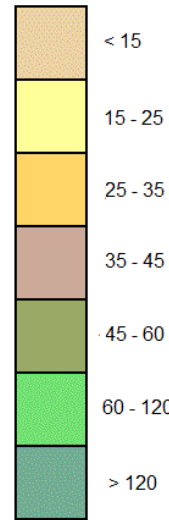
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General

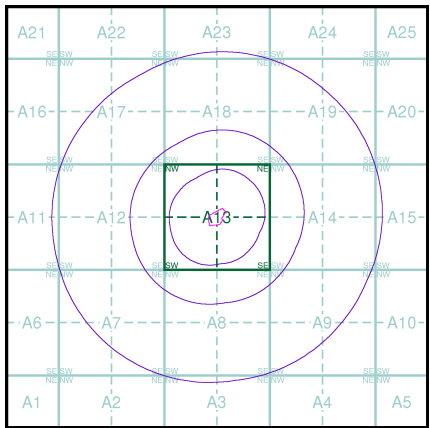
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
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Site Details

Site at 273640, 204320



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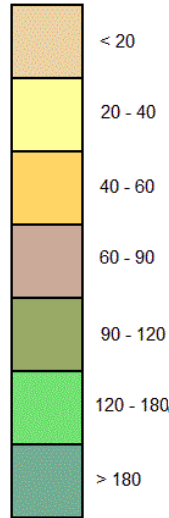
Geotechnical & Geoenvironmental Specialists

General

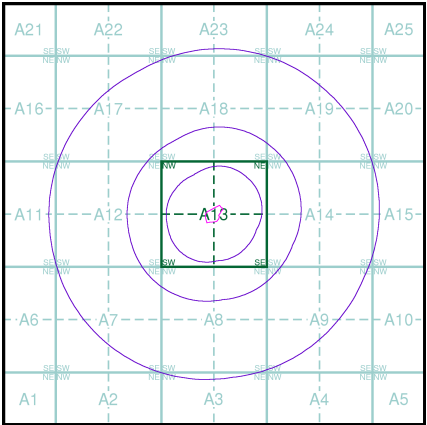
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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



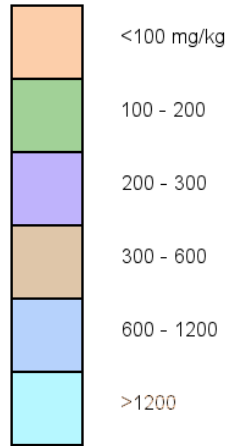
Geotechnical & Geoenvironmental Specialists

General

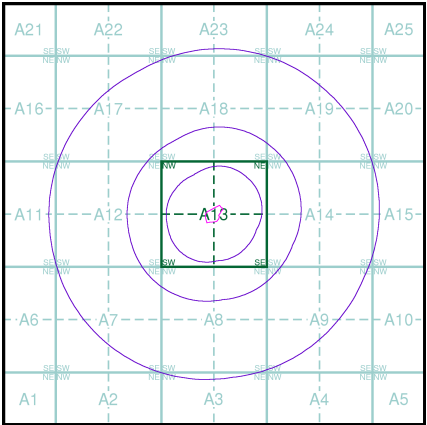
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

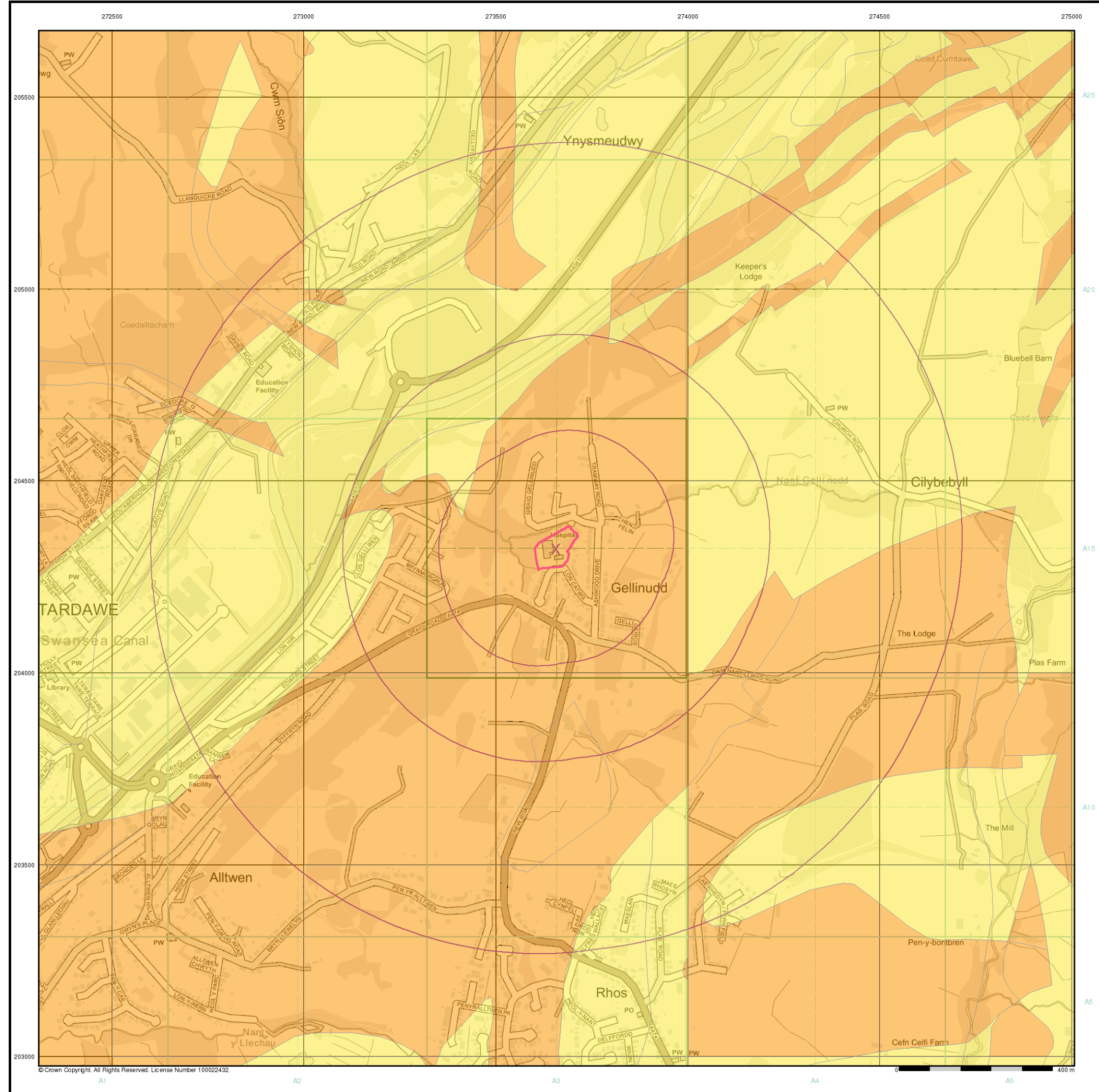
Order Details: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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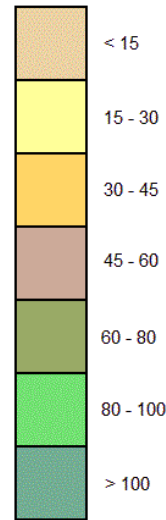
Geotechnical & Geoenvironmental Specialists

General

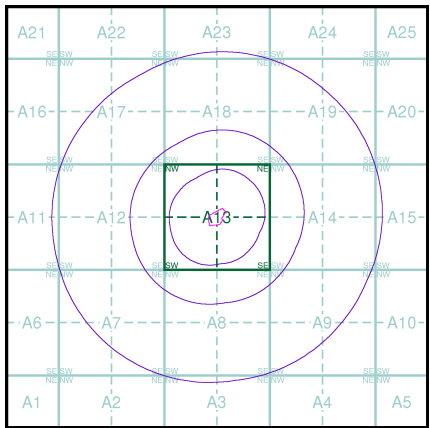
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

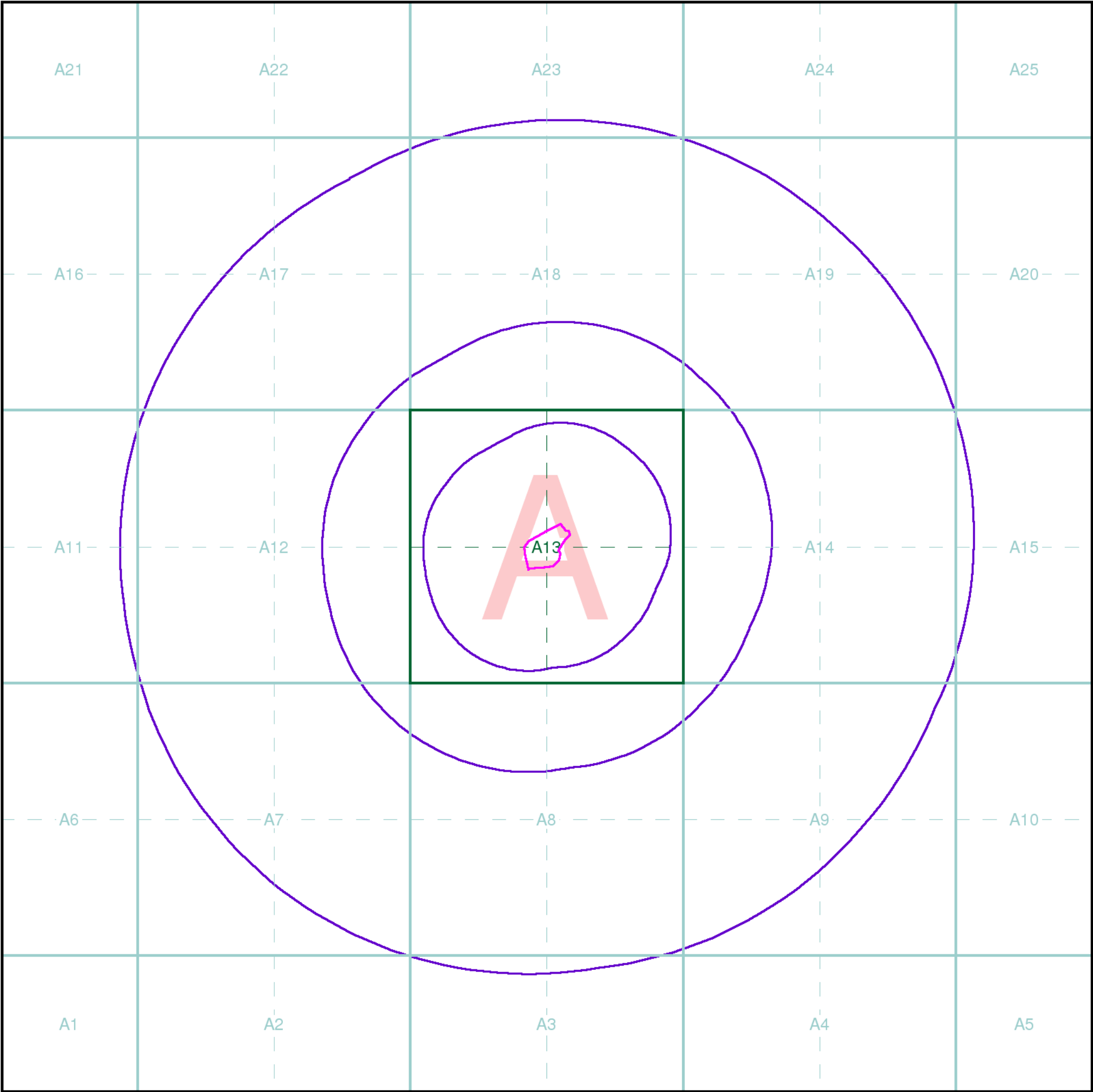
Order Details: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273660, 204320
Slice: A
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320



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



Geotechnical & Geoenvironmental Specialists

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

Ms J Rual, TFW Group Ltd, 5 Deryn Court, Wharfdale Road, Pentwyn, Cardiff, CF23 7HB

Order Details

Order Number: 333014159_1_1
Customer Ref: CA-O26-24JR
National Grid Reference: 273650, 204320
Site Area (Ha): 0.76
Search Buffer (m): 1000

Site Details

Site at 273640, 204320

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



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**ANNEX B
Coal Authority Report**

[illegible][illegible][illegible]

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

NLIS Hub

Enquiry address

Site At 273640, 204320
Neath Port Talbot
SA8 3DX

How to contact us

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

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

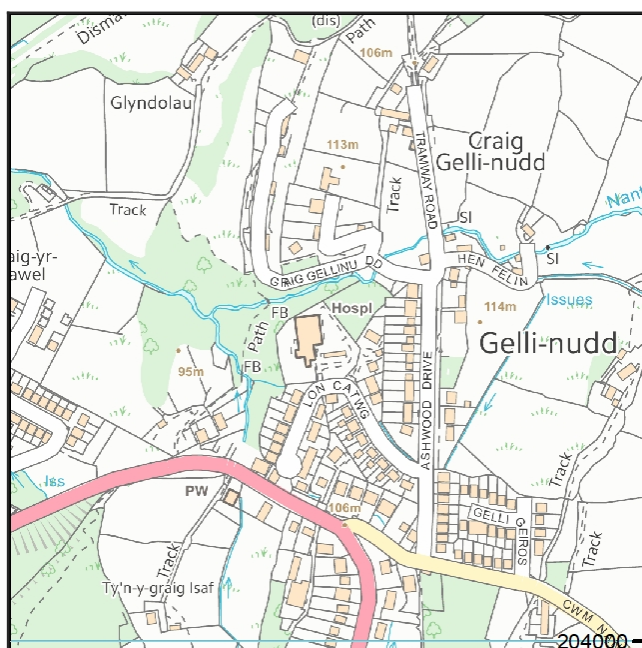
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

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

11767	5569	R12054
PO0	5182	R11523
8893		

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

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
SWANSEA NO.3	Coal	Yes	24.6	West	11
UNNAMED	Coal	Yes	Within	N/A	348

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

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

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

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

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

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

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

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

Future development

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

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

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.

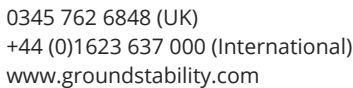
Withdrawal of support notices

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.

Approximate position of the enquiry boundary shown	
Outcrop (Proven)	



ANNEX C
Risk Assessment Definitions

The contaminated land regime is set out in Part 2A of the Environmental Protection Act (EPA) 1990 and was introduced on the 1st April 2000 in England and 1st July 2001 in Wales. A similar regime was introduced in Scotland on 14th July 2000.

Part 2A was introduced to achieve three overarching objectives:

- (a) To identify and remove unacceptable risks to human health and the environment.
- (b) To seek to ensure that contaminated land is made suitable for its current use.
- (c) To ensure that the burdens faced by individuals, companies and society as a whole are proportionate, manageable and compatible with the principles of sustainable development.

Under Part 2A the statutory definition of 'contaminated land' is:

"any land which appears to the local authority in whose area it is situated, to be in such a condition, by reason of substances in, on, or under the land, that:

- (a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
- (b) Pollution of controlled waters is being, or is likely to be, caused."

Under Part 2A, for land to be classified as 'Contaminated Land' there must be one or more contaminant, pathway, receptor linkages, known as the '**Pollutant Linkage**'. A pollutant linkage requires three essential elements:

- (a) A **CONTAMINANT** (SOURCE) – a substance that is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters.
- (b) A **RECEPTOR** – something which could be adversely affected by a contaminant.
- (c) A **PATHWAY** – a route by which a receptor is or might be exposed to or affected by a contaminant.

The term 'Risk' is widely used in different contexts and situations, but a prescriptive definition is given by the Guidelines for Environmental Risk Assessment and Management (DEFRA *et al*, 2000):

'Risk is a combination of the probability, or frequency, of occurrence of a defined hazard and the magnitude of the consequences of the occurrence'.

Model Procedures for the Management of Land Contamination – Contamination Land Report 11 (2004) defines a 'Hazard' as

'a property or situation that in particular circumstances could lead to harm'.

A framework for qualitative risk assessment is provided in CIRIA publication C552 Contaminated Land Risk Assessment – A Guide to Good Practice (2001). The method requires an assessment of the magnitude of the probability of the risk occurring and the magnitude of the potential consequence. Classifications of consequences and probability, levels and descriptions of risk have been devised from the above publication and are defined in the following sections.

Classification of Consequence

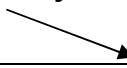
Table A Classification of Consequence	
Classification	Definition
Severe	• Short term (acute) risk to human health likely to result in significant harm • Short term risk to controlled waters • Catastrophic damage to buildings/structures • Short term risk to an ecosystem or organism within the particular ecosystem
Medium	• Chronic damage to human health (long term risk) • Pollution of a sensitive water resource • A significant change in an ecosystem or organism within the ecosystem
Mild	• Pollution of non-sensitive water resources • Significant damage to buildings/structures • Damage to sensitive buildings/structure/services or the environment
Negligible	• Harm (not necessarily significant) which may result in financial loss • Non-permanent health effects to humans (easily prevented by PPE for example) • Easily repairable effects of structural (building) damage

Classification of Probability

Table B Classification of Probability	
Classification	Definition
High Likelihood	• There is a complete pollution linkage and an event appears very likely to occur in the short term and is inevitable in the long term. • Evidence of harm to the receptor
Likely	• There is a complete pollution linkage which means that it is probable that an event will occur • The event is not inevitable but possible in short term and likely in the long term
Low Likelihood	• There is a complete pollution linkage and circumstances are possible under which an event could occur • It is not certain that an event will occur in the long term, and it is less likely to occur in the short term
Unlikely	• There is a complete pollution linkage but circumstances are such that it is improbable that an event would occur even in the long term

Risk Assessment Matrix

By comparing the consequences of a risk and the probability of the risk of a pollution linkage, the likely risk category can be determined as shown in **Table C** below.

Table C Risk Assessment Matrix					
Increasing acceptability 		Consequence			
		Severe	Medium	Mild	Negligible
Probability	High Likelihood	High risk	High risk	Medium risk	Low risk
	Likely	High risk	Medium risk	Low risk	Near zero risk
	Low Likelihood	Medium risk	Low risk	Low risk	Near zero risk
	Unlikely	Low risk	Near zero risk	Near zero risk	Near zero risk

Description of Risks and Likely Actions

High Risk

There is a high probability that severe harm could arise to a receptor, or there is evidence that a receptor is currently being severely harmed. The risk if realised is likely to result in liability, and urgent investigation or remediation will be required.

Medium Risk

It is probable that harm will arise to a receptor. However, it is relatively unlikely that such harm would be severe, or if harm does occur the harm is likely to be relatively mild. Investigation will be required to determine the liability, and some remedial works may be required in the long term.

Low Risk

It is possible that harm may arise to a receptor, but it is likely that the harm would be mild.

Near Zero Risk

There is a very low risk of harm to the receptor. In the event of harm being realised the harm is not likely to be severe.

DRAWINGS



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