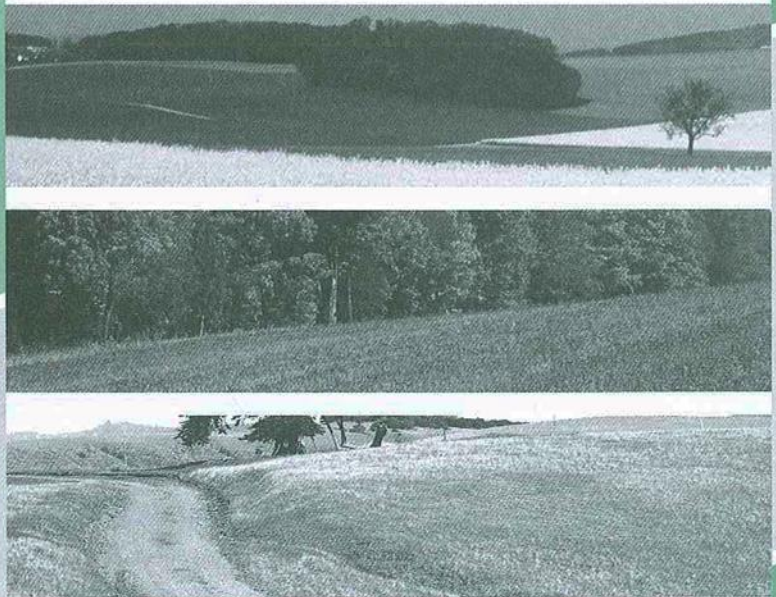


Coal Mining Risk Assessment (CMRA)
Report: Proposed Residential
Development, Land at 15 Glyn Road,
Lower Brynamman, Ammanford

Prepared for:
Miss Elinor Jones & Neville Staines

June 2020

Job No: 16124

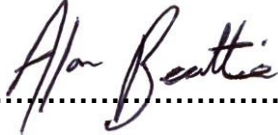


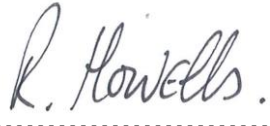
REPORT TITLE : **Coal Mining Risk Assessment (CMRA)**
Report: Proposed Residential Development
on Land at 15 Glyn Road, Lower
Brynamman, Ammanford

REPORT STATUS : **Final**

JOB NUMBER : **16124**

DATE : **June 2020**

PREPARED BY : 
(Mr Alan Beattie)

REVIEWED BY : 
(Mrs Ruth Howells)

APPROVED BY : 
(Dr Gwyn C. Lake)

Executive Summary	
Proposed Development & Site Location	Miss Elinor Jones and Mr Neville Staines have requested that a Coal Mining Risk Assessment be performed for a proposed residential development on land at 15 Glyn Road, Lower Brynamman.
Site History	The site has been occupied by small buildings located in the south western and north eastern corners of the site. The one located in the south western corner was present between 1898 and 1918. The one in the north eastern corner was present between 1962 and 2000.
Geology	The site is underlain by the South Wales Lower Coal Measures Formation of Carboniferous age. This formation comprises 'grey, (productive) coal-bearing mudstones/siltstones, with seatearths and minor sandstones'. The dip of the strata is shown to be 60° to the south west in the vicinity of the site. No superficial deposits are shown to overlie the solid geology. Residual soils from the weathering of the bedrock are anticipated to be present. While most of the site has been unoccupied small structures have been present in the south west and north west corners and a thin veneer of made ground may be present in these areas. The geological map shows the conjectured position of the Brynllloi Coal Seam outcrop located approximately 45m to the north of the site. The conjectured outcrop position of the Braslyd Coal Seam locates 145m to the south of the site.
Mining	A Coal Authority Mining Report for the site was obtained by Terra Firma (Wales) Limited. The report indicates that 'the property is not within a surface area that could be affected by any past recorded underground coal mining'. The report adds 'however the property is in an area where the Coal Authority believes there is coal at or close to the surface' and 'this coal may have been worked at some time in the past'. There are also 'no recorded coal mine entries known to the Coal Authority within, or within 20 meters of, the boundary of the property. the Coal Authorities online viewer shows the site to be crossed by two seams shown in the very north and very south of the site. Given the dip of the geology the northern seam is anticipated to underlie most of the site at shallow depth with the seam in the south underlying a small portion in the south eastern corner. The online viewer also places the site in a high-risk development area associated with these seams.
Conclusions	The Coal Authority viewer identifies two coal seams outcropping under the site, the northern seam is anticipated to underlie most of the site at shallow depth with the southern seam anticipated to be present under the south eastern corner only. Due to these seams the development plot falls within a development high risk area. Based on the above it is concluded that there is a potential risk to the site from past underground coal workings and this will need to be quantified by and intrusive investigation.
Recommended Site Investigation	It is recommended that a minimum of four rotary boreholes are undertaken across the site with three targeted at the proposed house and one under the garage. The boreholes should be sunk to confirm the ground condition to a depth of 30.00m.

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SECTION 1 Introduction and Proposed Development

Miss Elinor Jones and Mr Neville Staines have requested that a Coal Mining Risk Assessment be performed for a proposed residential development on land at 15 Glyn Road, Lower Brynamman.

Cwm Planning and Design Limited are the Civil, Structural and Architectural Consultants for the project.

The main objectives of the Coal Mining Risk Assessment were to:

- Review the Coal Authority Mining Report
- Review the published Geological Sheet for the area
- Review historical maps for the site and surrounding area

Based on the above information the following assessments will be made:

- Provide advice as to the likelihood of coal mining being present beneath the site
- Determine whether further intrusive investigations are necessary to quantify the risk

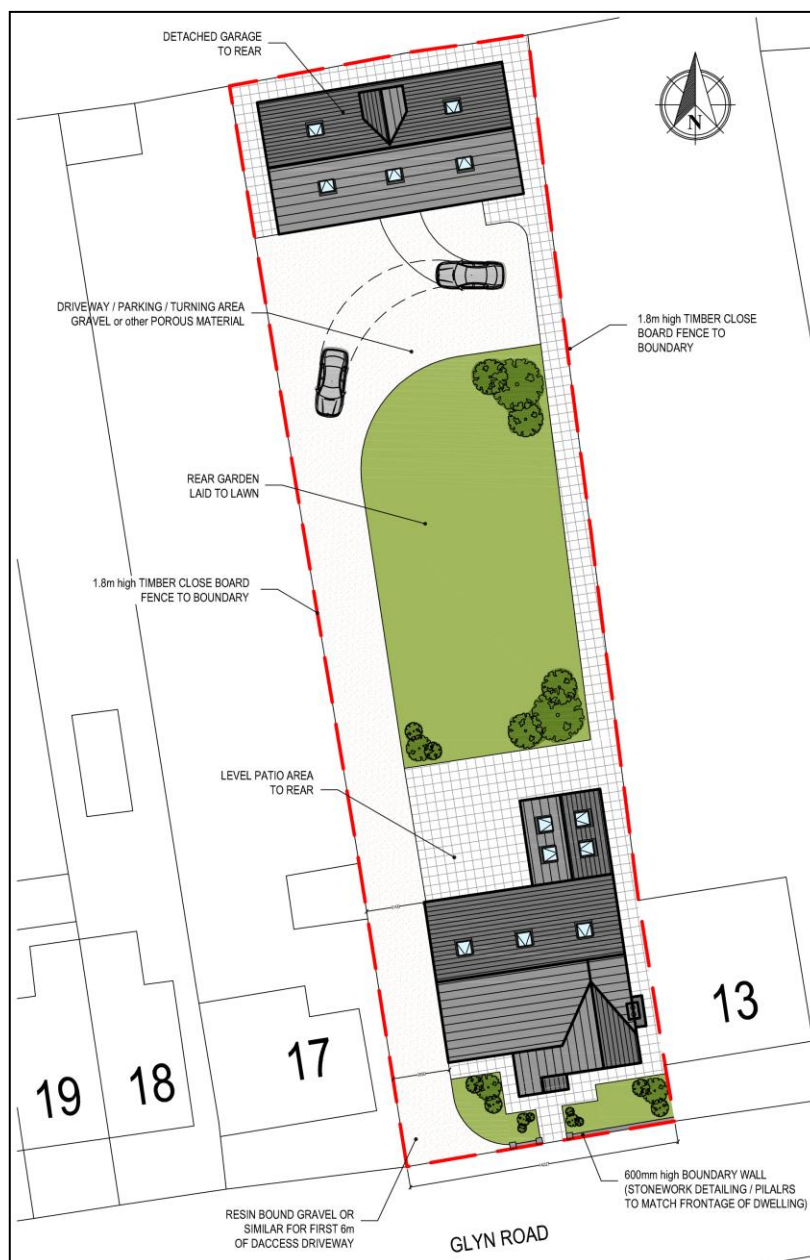


Figure 1.1 Proposed Site Layout

1.1 Limitations and Exceptions of Desk Study

The Coal Mining Risk Assessment has been conducted and this report has been prepared for the sole internal reliance of Miss Elinor Jones and Mr Neville Staines 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 Terra Firma (Wales) 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 geo-environmental and geo-technical consultants. Terra Firma (Wales) Limited does not provide legal advice and the advice of lawyers may also be required.

2.1 Current Use and Site Conditions

The map shows the River Amman flowing through the center, with several settlements including Brynamman, Cwm Aman, and Lower Brynamman. A red line indicates a proposed or existing railway route, and a purple circle highlights a specific area of interest. The map includes various geographical features like hills, fields, and roads.

The southern boundary is marked by a stone wall beyond which is Glyn Road. The eastern and western boundaries are marked by the neighbouring properties. The northern boundary is marked by a fence beyond which is an area of rough vegetation.

The site rises slightly from the road and is then relatively flat before falling again at the northern boundary. To the north the ground level falls to the River Amman. The area to the south of the site also falls slightly but generally this area is seen to be rising.

The area is a mix of residential properties and supporting infrastructure to the south with areas of field land to the north. The River Amman is also located 150m to the north.

2.2 Site History

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

Table 2.1 Summary of Historical Map Information		
Map Date and Scale	Key Features On Site	Key Features Off Site
1877 (1:2,500)	The site is seen to be unoccupied.	Houses are present immediately to the east and west of the site and form the sites boundaries. A road which provides access to a Colliery to the west forms the sites southern boundary. The colliery locates 290m to the west of the site and an old coal pit is also present. The Ynys-dawela (Coal) Level also locates 310m to the north west of the site. The surrounding area is dominated by field land with the small residential settlement of Glyn-y-beudy located to the south east. Also present to the south east is an area where the topography has been modified by mining activity. A south west to north east orientated rail line is present 65m to the north. The River Amman crosses to the north of the site and at its closes point, to the north east is 130m from the site. Small streams are also present to the south indicated to be flowing to the west.
1898 (1:2,500)	A small rectangular building is present in the south western corner of the site.	Residential development has taken place to the east, west and south of the site along the existing road now identified as Glyn-beudy Road. Located 100m to the north west of the site is the newly constructed Glyn-Beudy Tin Plate Works.
1906 (1:2,500)	No significant changes.	No significant changes.
1918 (1:2,500)	The site is now unoccupied.	Further residential development has taken place along Glyn-buedy Road now identified as Glyn Road. The area is now identified as Lower Brynamman.
1938-1953 (1:10,560)	No significant changes.	No significant changes.
1962 (1:2,500)	A small square building is present in the north eastern corner of the site.	The tin plate works to the north west of the site has now been demolished. Further residential development has been undertaken in the surrounding area to the south of the site.
1986 (1:2,500)	No significant changes.	The railway line to the north of the site has now been dismantled. Again, further residential development has taken place to the south west of the site.
1993 (1:2,500)	No significant changes.	No significant changes.
1999-2000 (1:10,000)	The site is now seen to be unoccupied.	No significant changes.
2006 & 2020 (1:10,000)	No significant changes.	No significant changes.

2.3 Geology

The 1:10,560 scale geological maps of the area (Sheet SN 71 SW) and Envirocheck geological maps were consulted. The site is underlain by the South Wales Lower Coal Measures Formation of Carboniferous age. The BGS Lexicon of Named Rock Units describes this formation as 'grey, (productive) coal-bearing mudstones/siltstones, with seatearths and minor sandstones'. The dip of the strata is shown to be 60° to the south west in the vicinity of the site.

No superficial deposits are shown to overlie the solid geology. Residual soils from the weathering of the bedrock are anticipated to be present. While most of the site has been unoccupied small structures have been present in the south west and north west corners and a thin veneer of made ground may be present in these areas.

The geological map shows the conjectured position of the Brynllloi Coal Seam outcrop located approximately 45m to the north of the site. The conjectured outcrop position of the Braslyd Coal Seam locates 145m to the south of the site. However, this is topographically higher than the site and with the southerly dip directions does not underlie the site.

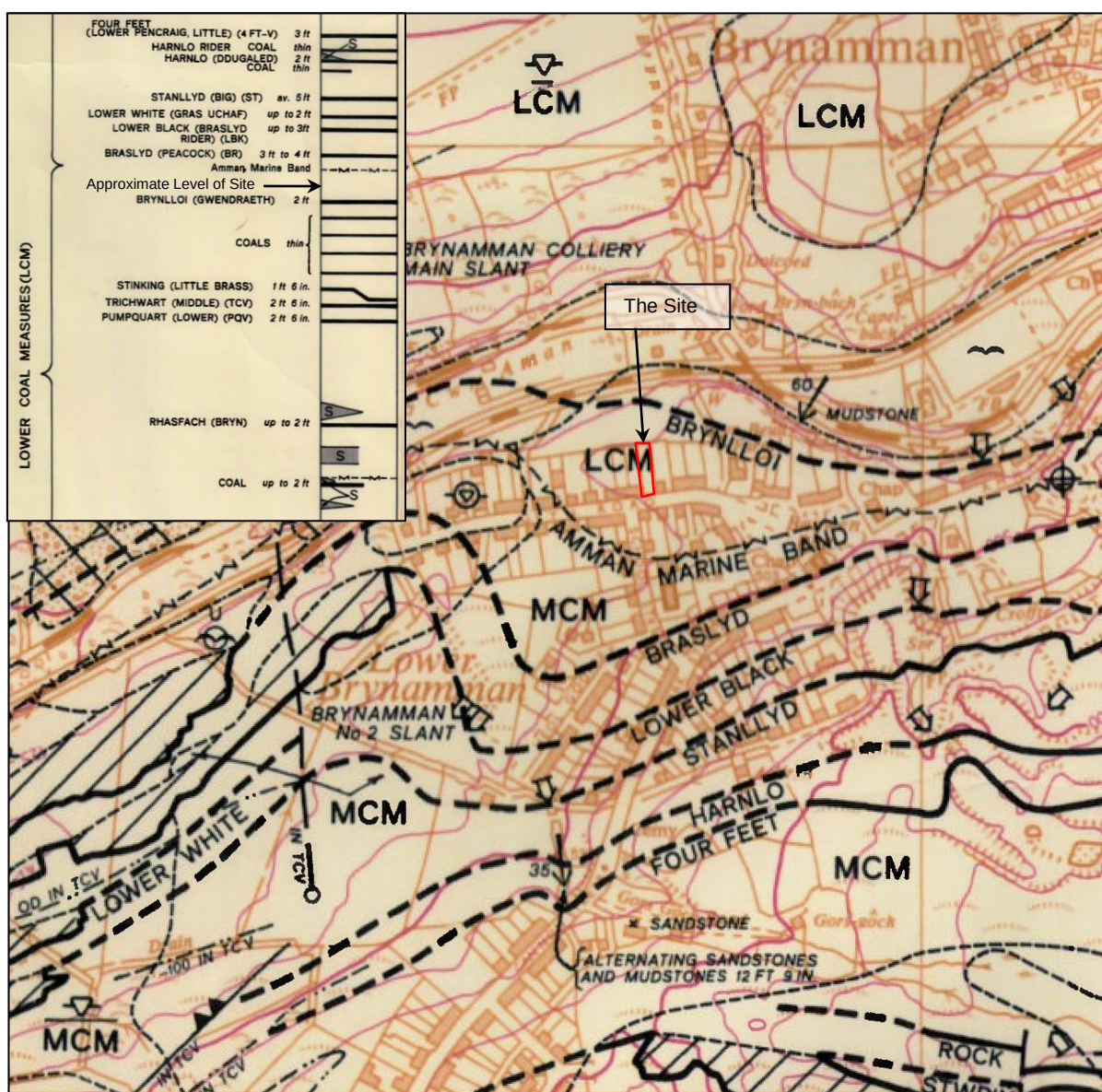


Figure 2.2 Extract and Vertical Section from Geology Map Sheet SN 71 SW

2.4 Coal Mining

A Coal Authority Mining Report for the site was obtained by Terra Firma (Wales) Limited. The report indicates that 'the property is not within a surface area that could be affected by any past recorded underground coal mining'. The report adds 'however the property is in an area where the Coal Authority believes there is coal at or close to the surface' and 'this coal may have been worked at some time in the past'.

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

There is no record of mine gas emission requiring action.

A copy of the Coal Authority Mining Report is presented in **Annex B**.

In addition to the geology map the Coal Authorities online viewer shows the site to be crossed by two seams shown in the very north and very south of the site. Given the dip of the geology the northern seam is anticipated to underlie most of the site at shallow depth with the seam in the south underlying a small portion in the south eastern corner.

The online viewer also places the site in a high-risk development area associated with these seams.

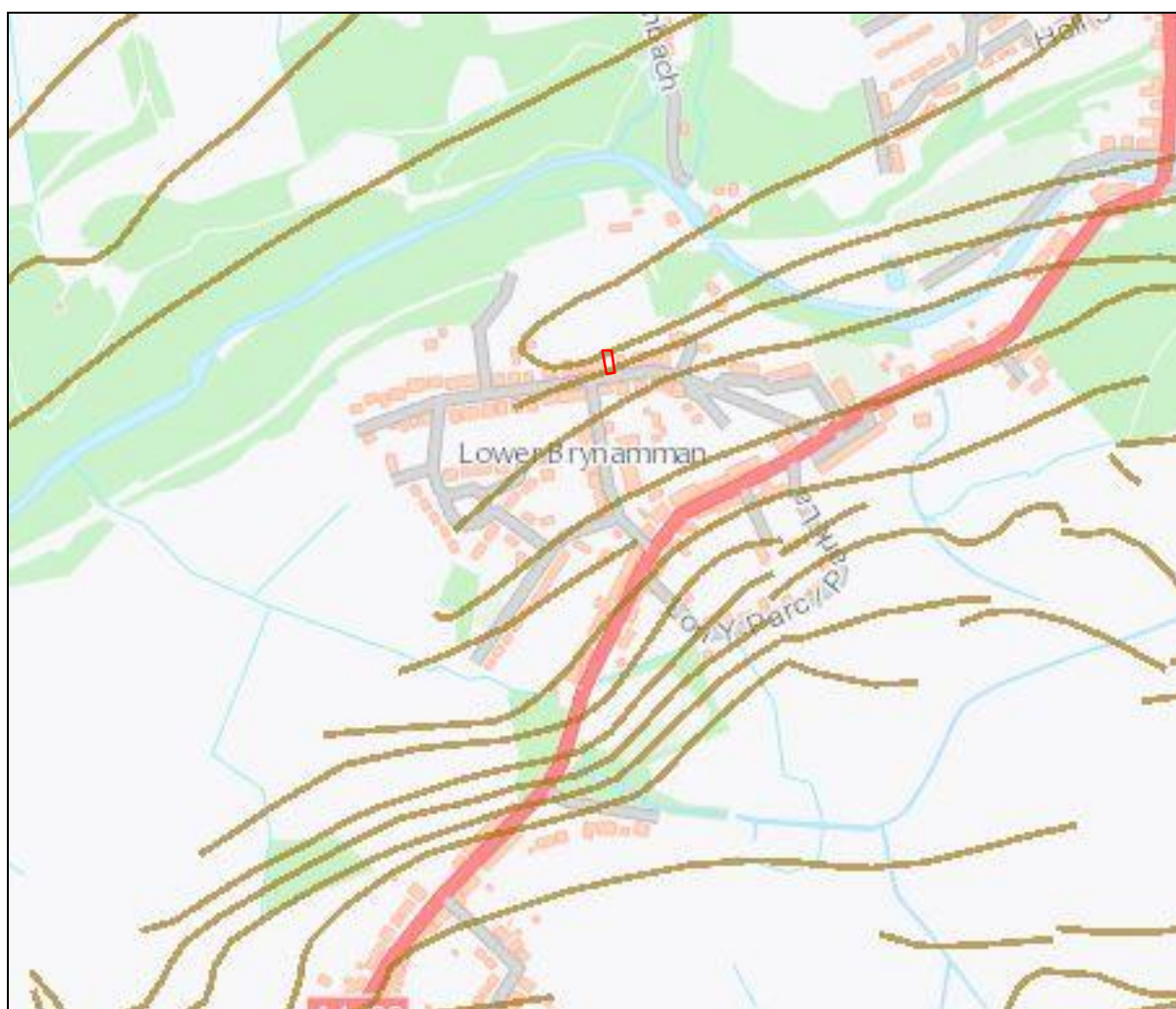


Figure 2.3 Extract of the Coal Authority Online Viewer

SECTION 3 Assessment of the Risk from Past Underground Mining

The Coal Authority report indicates the property is not within a surface area that could be affected by any past recorded underground coal mining' but cautions that 'the Coal Authority believes there is coal at or close to the surface' and 'this coal may have been worked at some time in the past'

There are no mine entries present on or within, or within 20m of the site.

The geological map shows the conjectured position of the Brynllloi Coal Seam outcrop located approximately 45m to the north of the site. Using trigonometry given the horizontal distance and dip of the geology the seam is calculated to be at approximately 75m at the northern boundary where the garage is proposed and 170m at the southern boundary where the house is proposed. This seam will therefore not underlie the site at shallow depth.

The conjectured outcrop position of the Braslyd Coal Seam locates 145m to the south of the site. However, this is topographically higher than the site and with the southerly dip direction does not underlie the site.

The Coal Authority viewer identifies two coal seams outcropping under the site, the northern seam is anticipated to underlie most of the site at shallow depth with the southern seam anticipated to be present under the south eastern corner only. Due to these seams the development plot falls within a development high risk area.

Based on the above it is concluded that there is a potential risk to the site from past underground coal workings and this will need to be quantified by and intrusive investigation which is recommended in the following section.

SECTION 4 Recommend Site Investigation Works

Due to the anticipated presence of coal seams at shallow depth under the site an intrusive investigation is required. This will be undertaken to confirm or refute the presence of the coal seams and if historic mine workings are present.

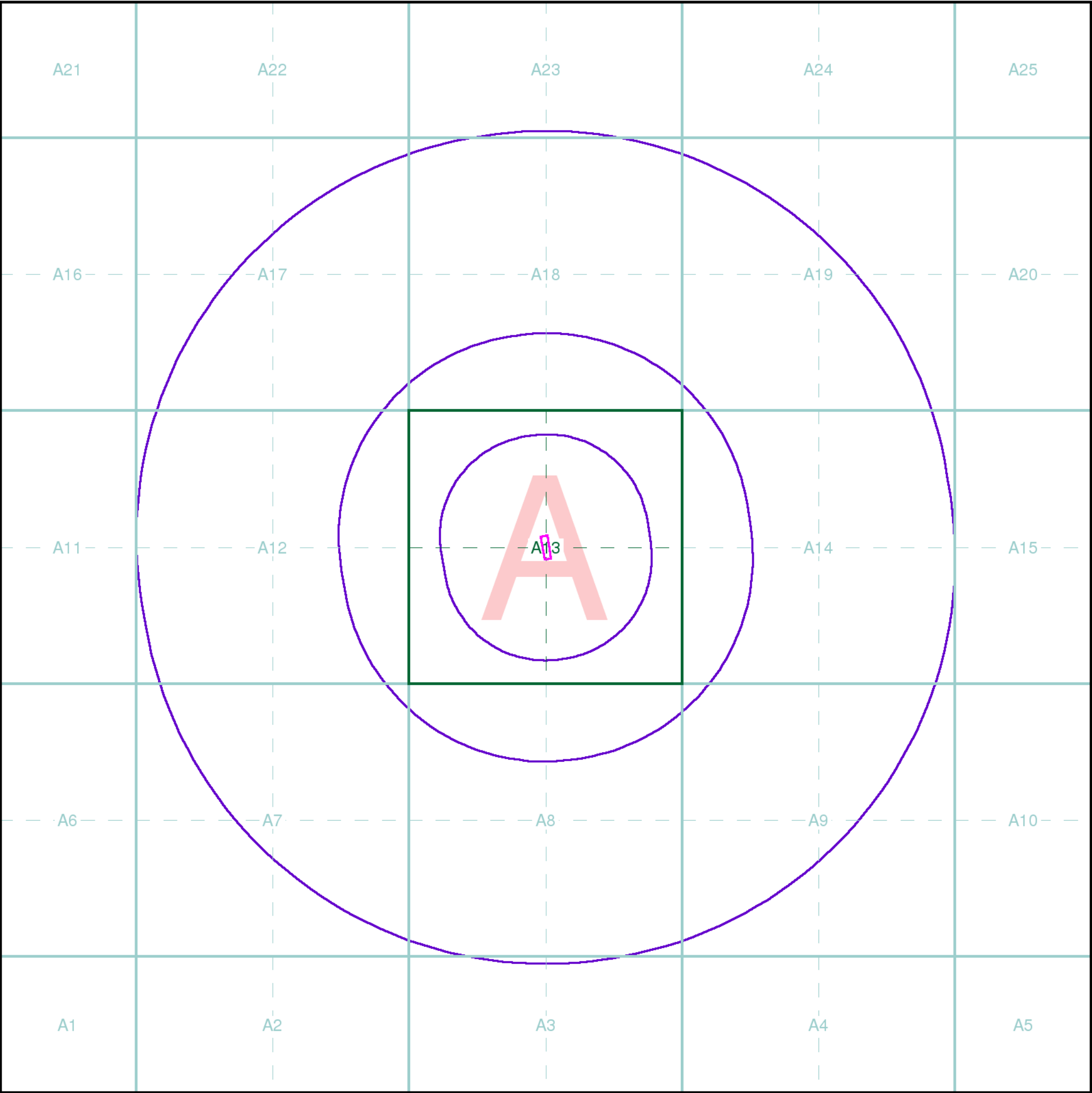
It is recommended that a minimum of four rotary boreholes are undertaken across the site with three targeted at the proposed house and one under the garage. The boreholes should be sunk to confirm the ground condition to a depth of 30.00m. If thick superficial deposits are encountered the boreholes may need to extend beyond this depth, however the geological maps indicate no superficial cover so this should not be the case.

As there are residential properties within 50m of the site it will be necessary to use water flush as the drilling medium. This prevents the dispersal of mine gases which may be present in underground workings and could potentially affect neighbouring site users.

These works should be undertaken under a Coal Authority permit which takes approximately 4 weeks to be granted. An expediated application can be requested with completion in 2 weeks however there is an associated surcharge.

Once the site has been drilled and the risk has been quantified consideration can be given to whether remedial measures are required for the development or not.

ANNEX A
Envirocheck Historical Plans



Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr A Beattie, Terra Firma (Wales) Ltd, 5 Deryn Court, Wharfdale Road, Pentwyn, Cardiff, CF23 7HB

Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

Glyn Road, Lower Brynamman, Ammanford, SA18 1SS

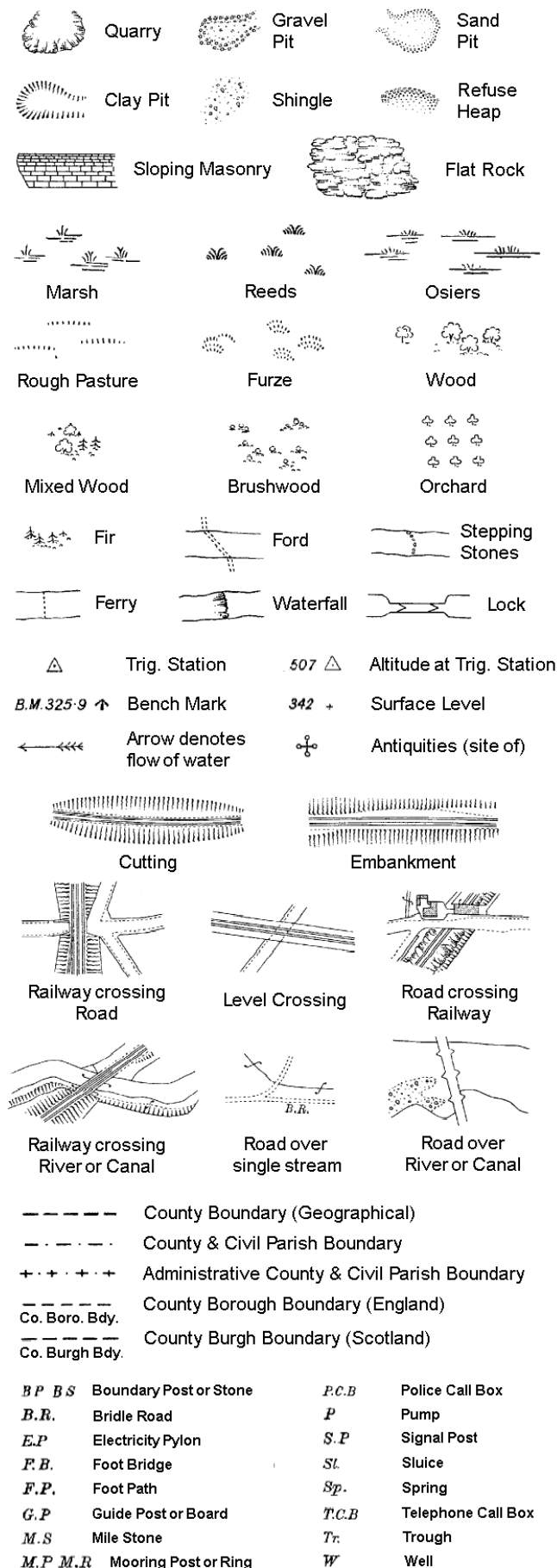
Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



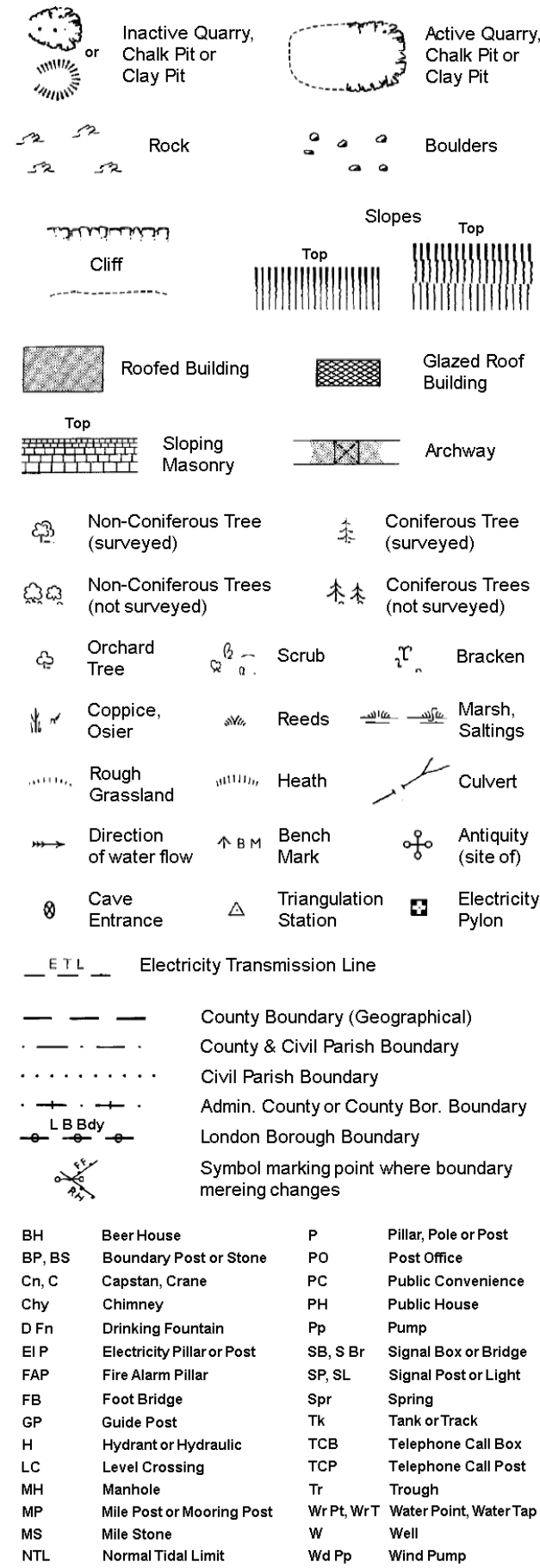
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

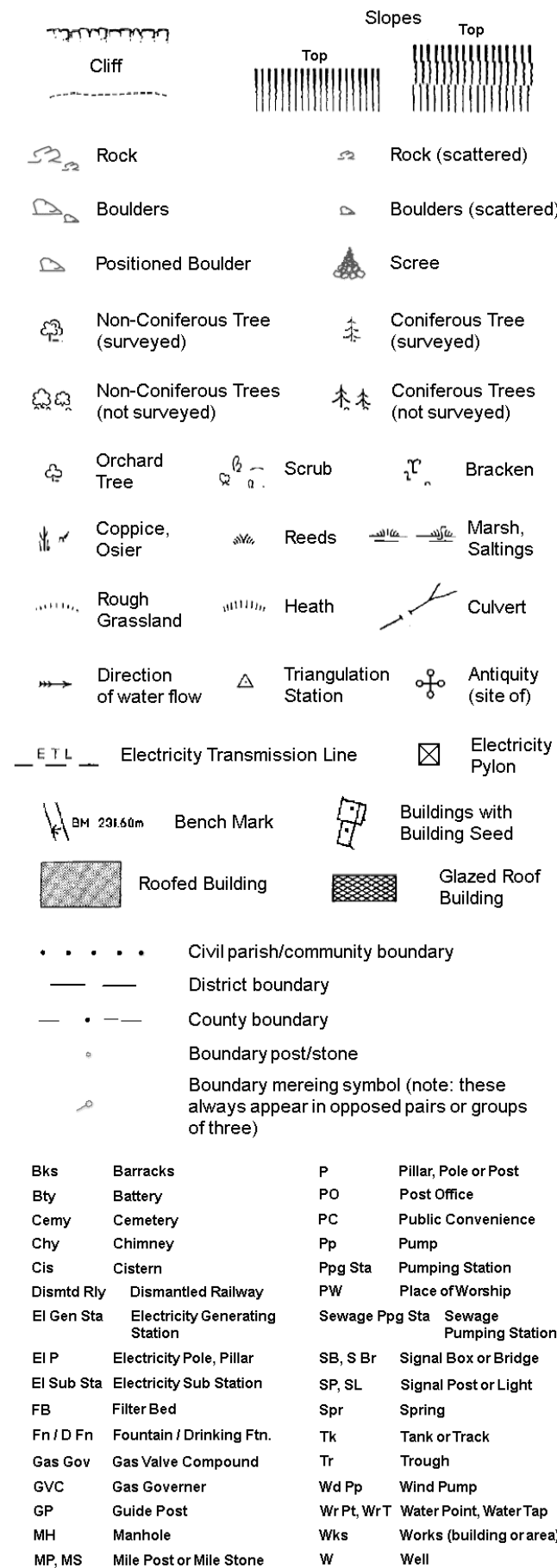
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



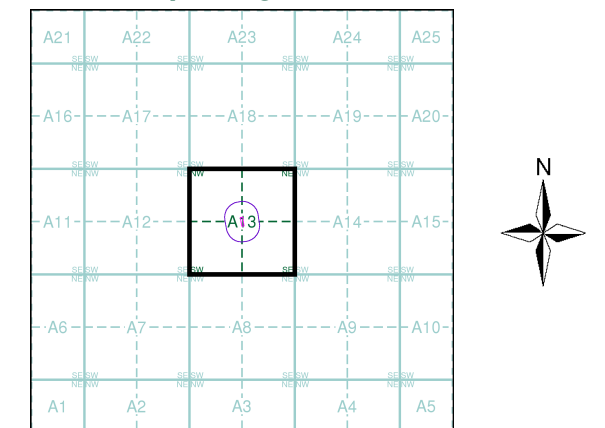
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

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Glamorganshire	1:2,500	1877	2
Glamorganshire	1:2,500	1898	3
Cardiganshire	1:2,500	1906	4
Cardiganshire	1:2,500	1918	5
Ordnance Survey Plan	1:2,500	1962	6
Additional SIMs	1:2,500	1962	7
Additional SIMs	1:2,500	1986	8
Large-Scale National Grid Data	1:2,500	1993	9
Historical Aerial Photography	1:2,500	2000	10

Historical Map - Segment A13



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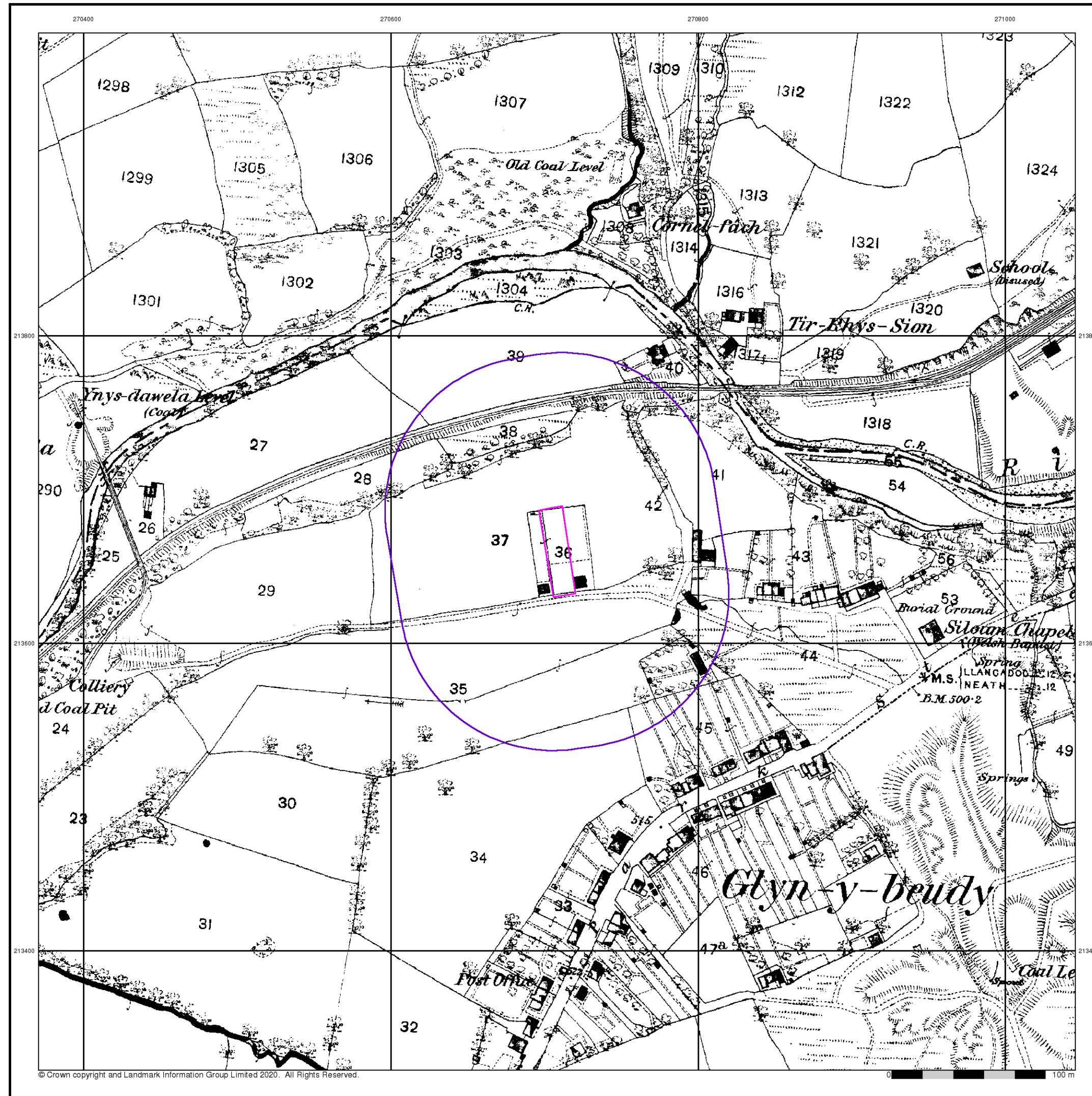
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Search Buffer (m): 100

Site Details

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0 100 m



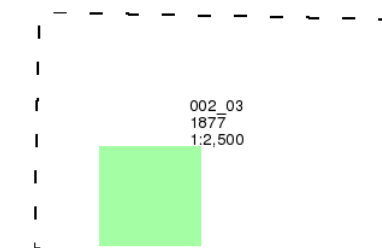
Glamorganshire

Published 1877

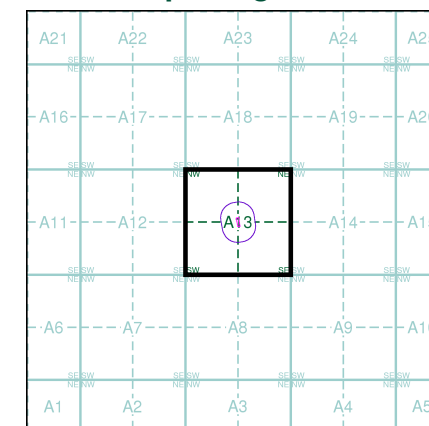
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Map Name(s) and Date(s)



Historical Map - Segment A13



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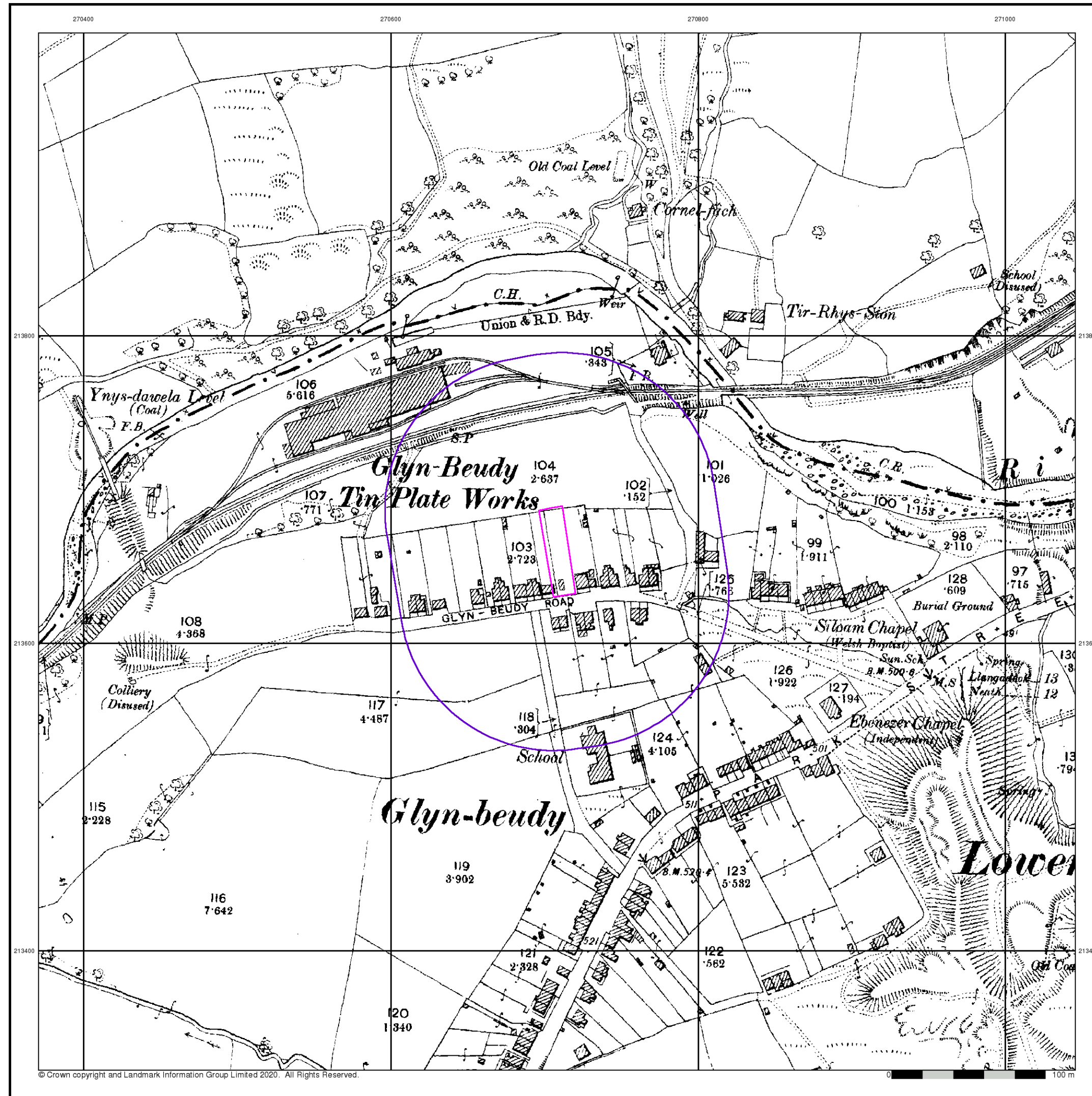
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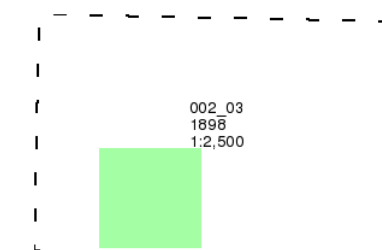
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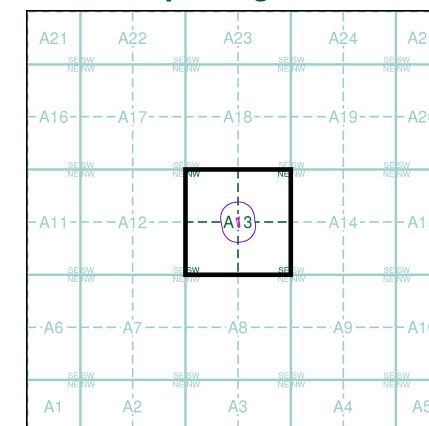
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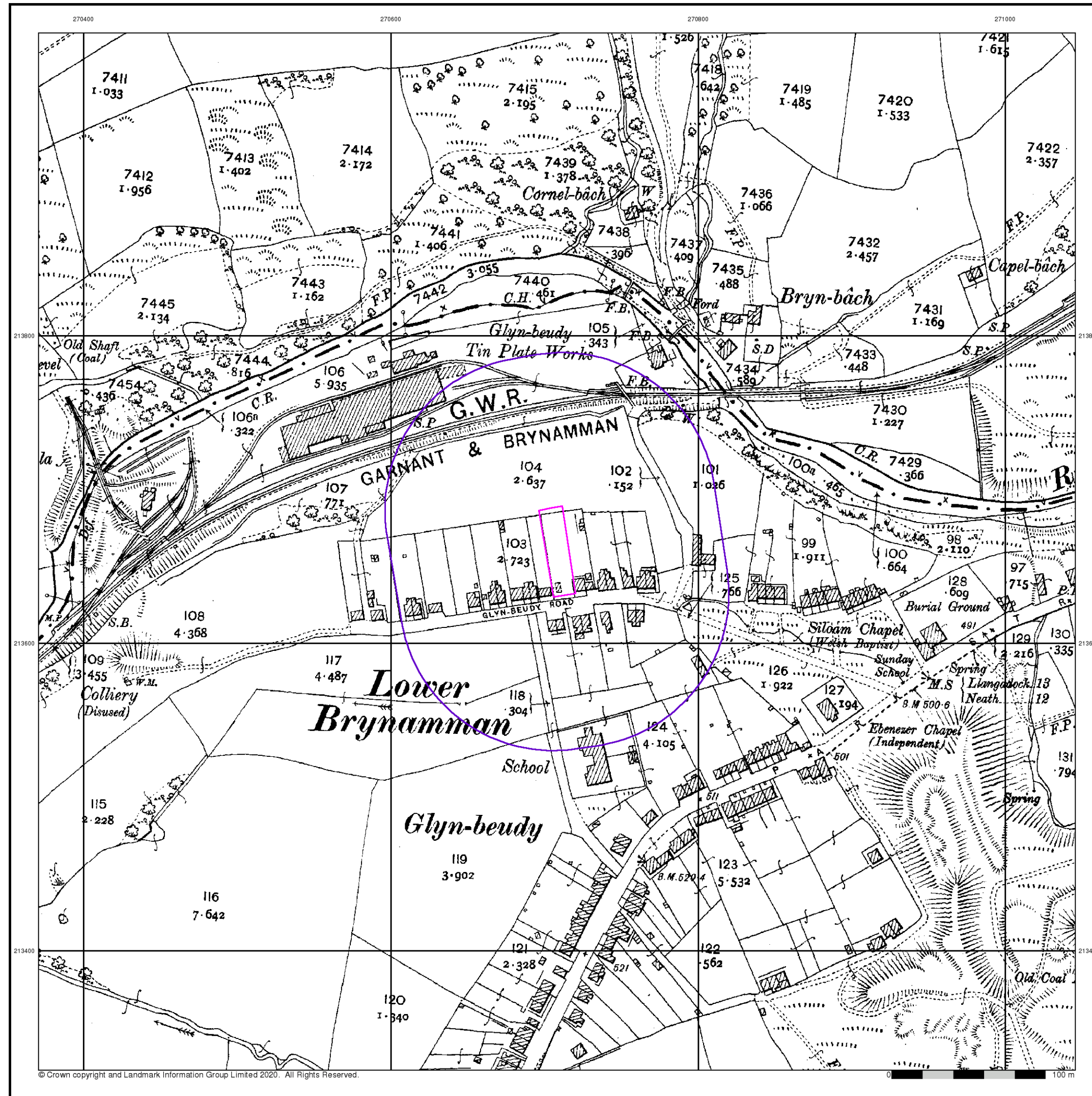
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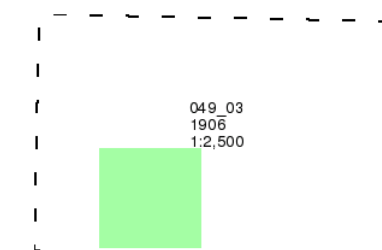
Carmarthenshire

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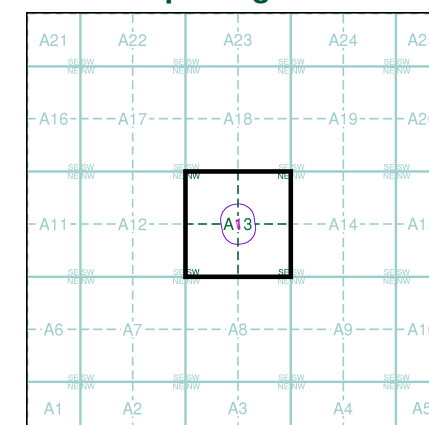
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Slice: A
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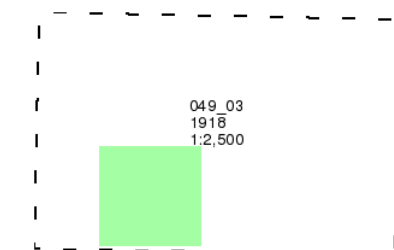
Carmarthenshire

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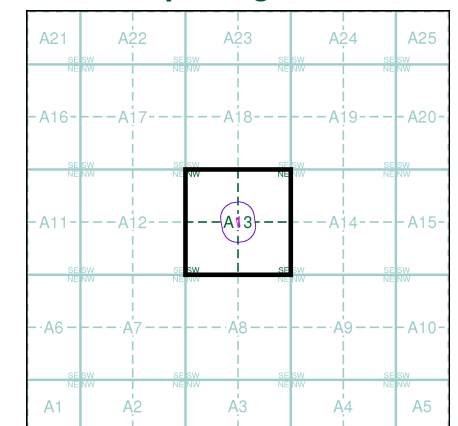
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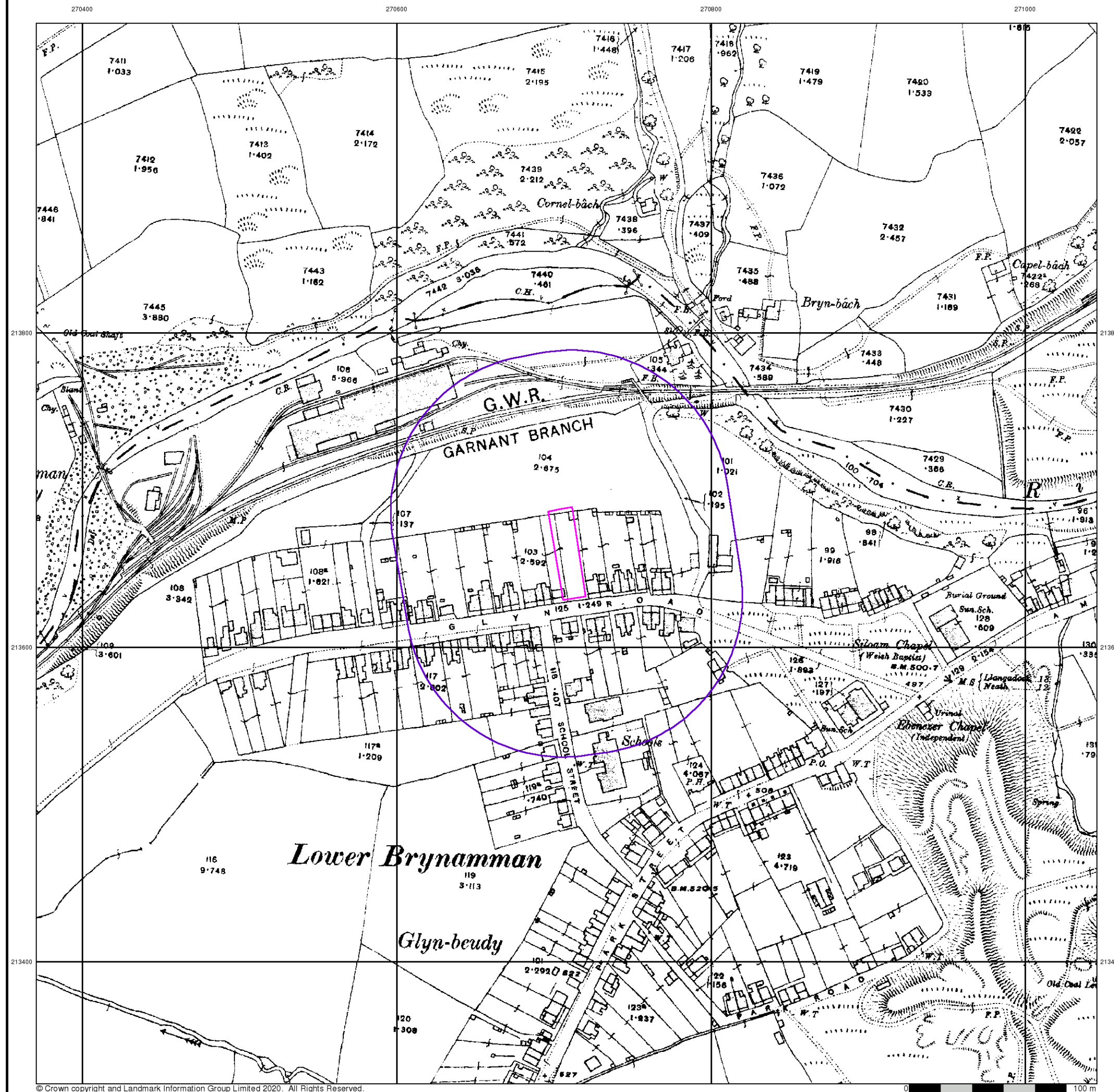
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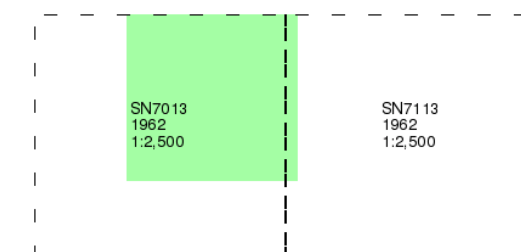
Ordnance Survey Plan

Published 1962

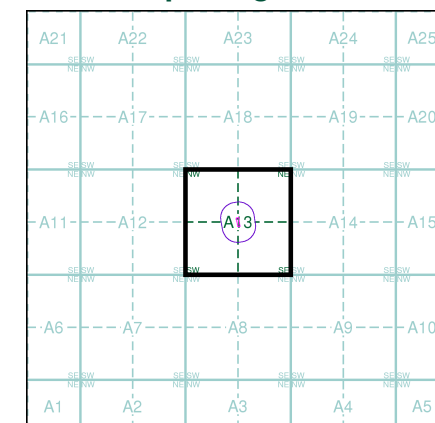
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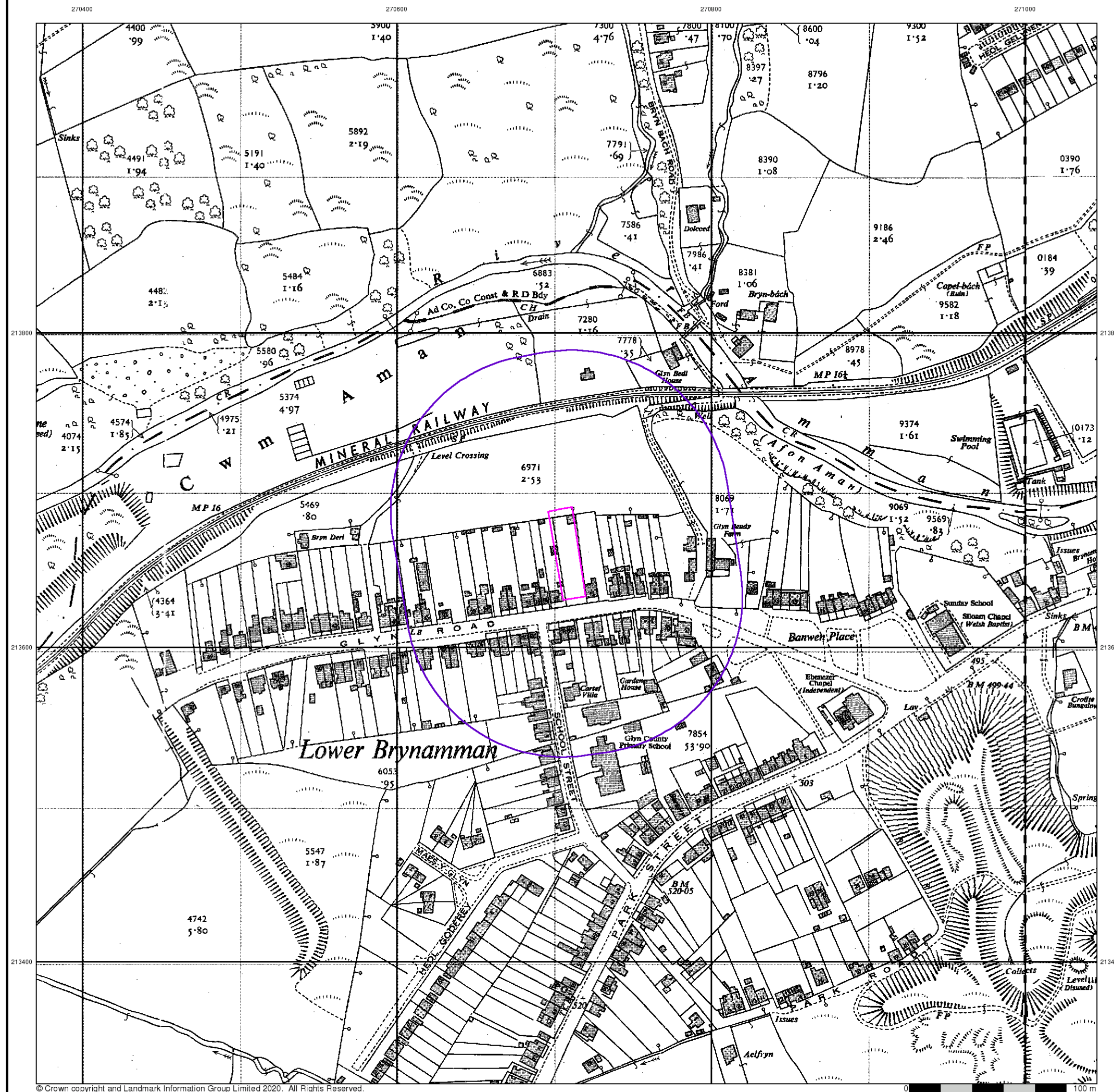
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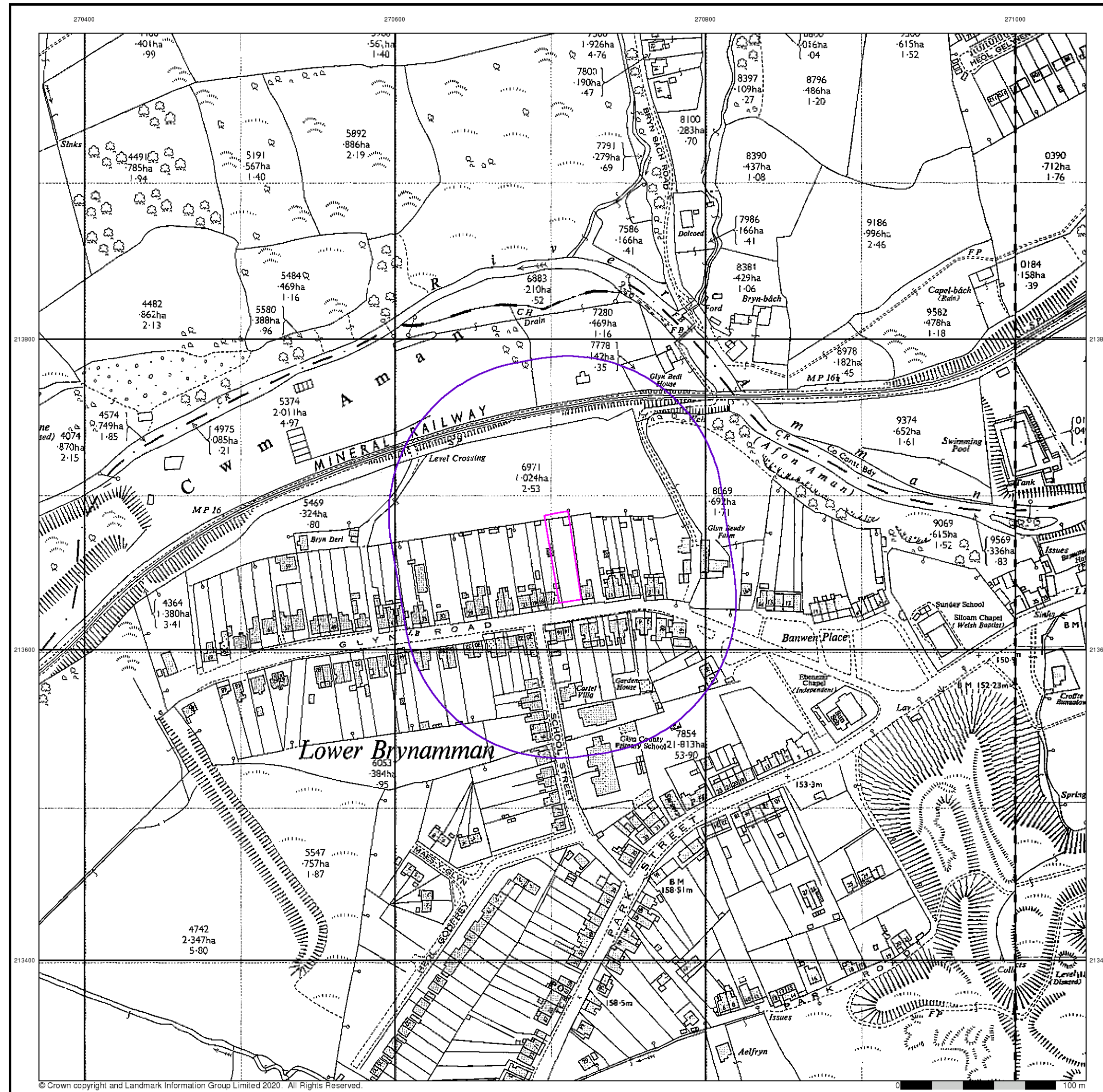
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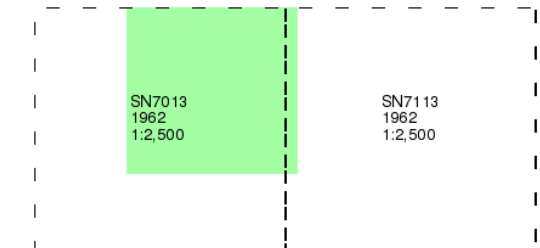
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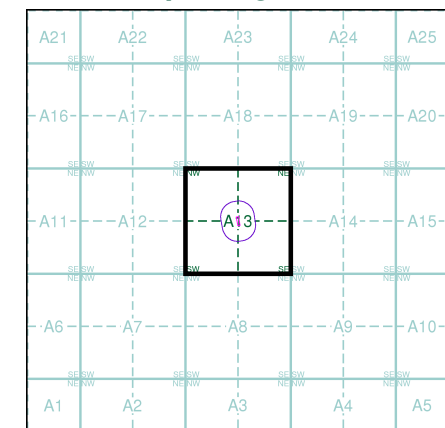
Additional SIMs
Published 1962
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

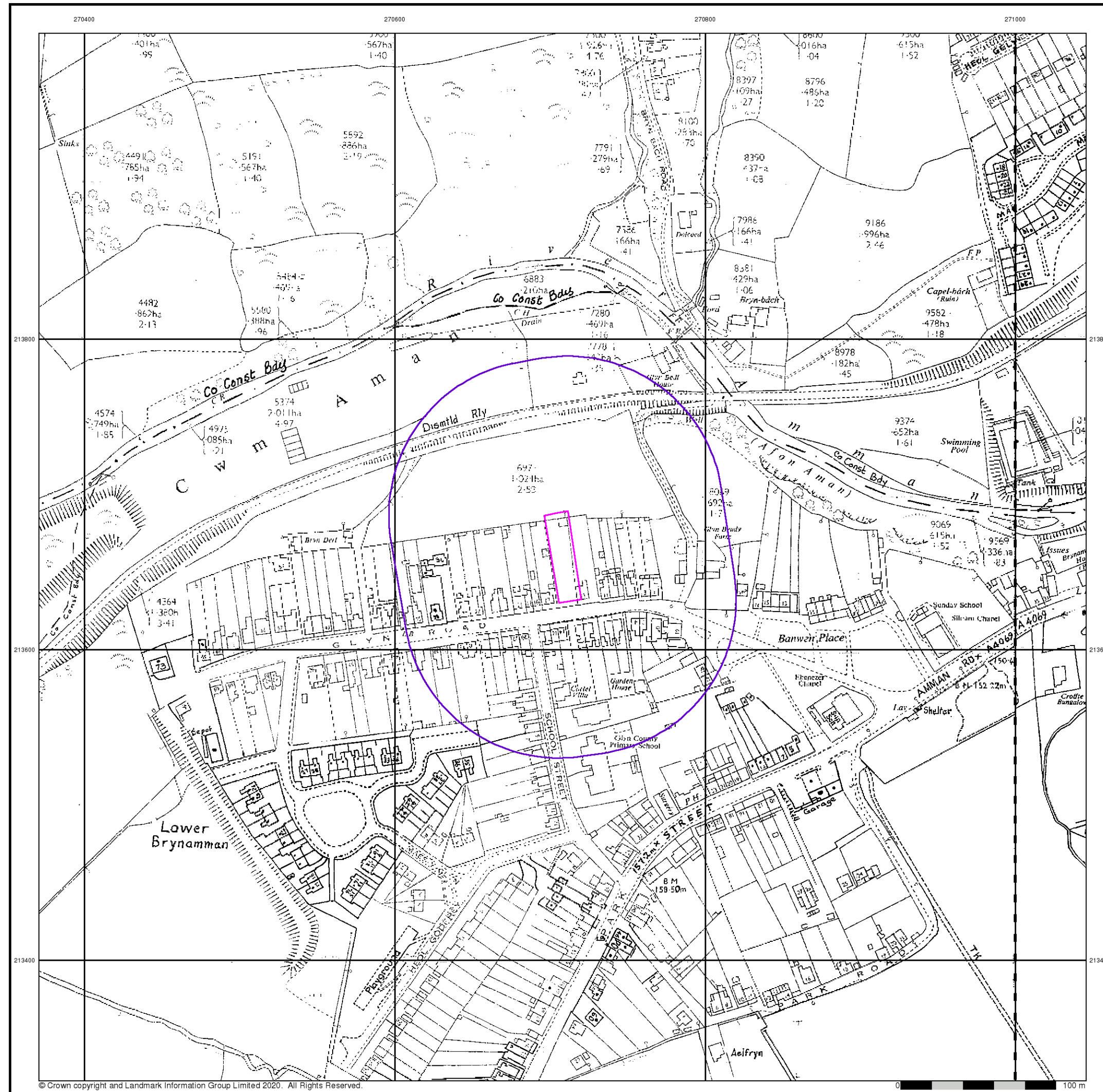
Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

Glyn Road, Lower Brynamman, Ammanford, SA18 1SS



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



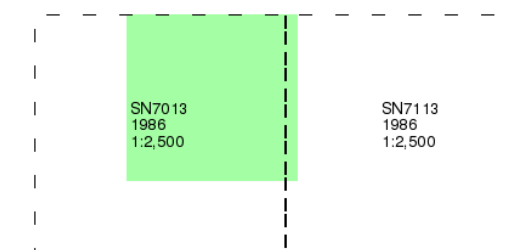
Additional SIMs

Published 1986

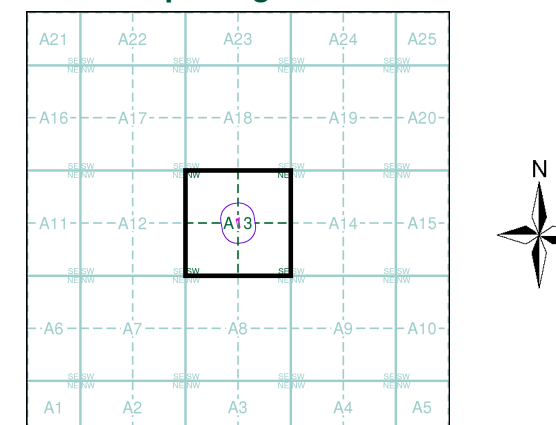
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

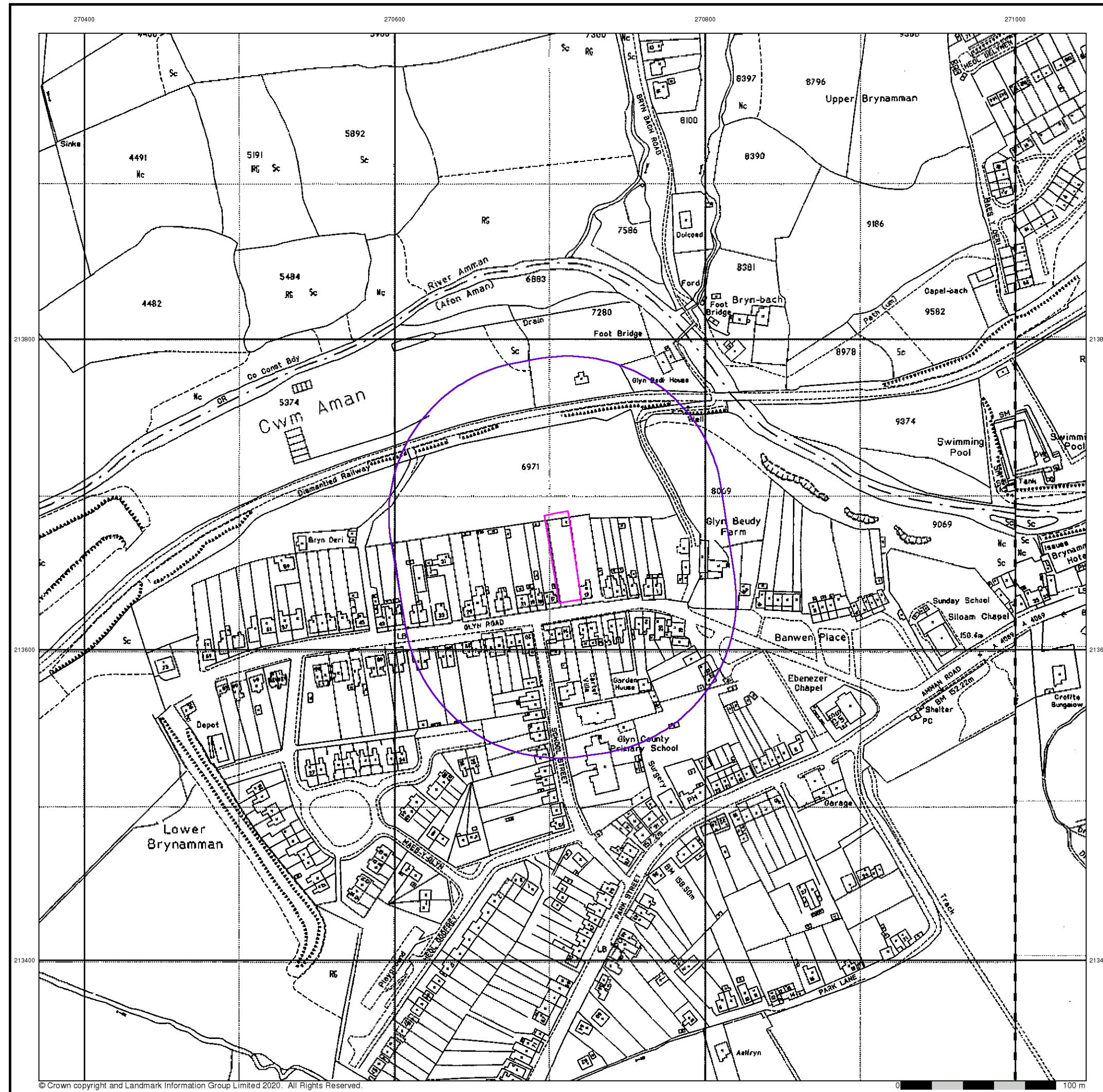
Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
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0 100 m



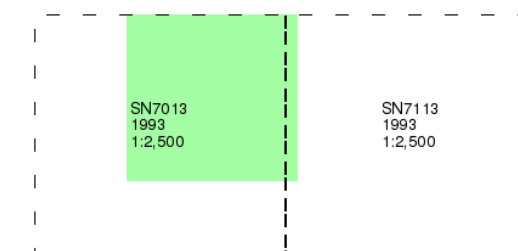
Large-Scale National Grid Data

Published 1993

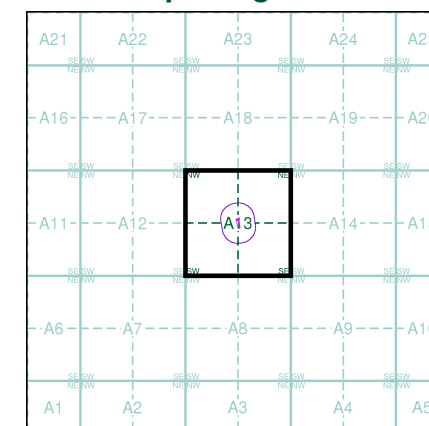
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
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270400

270600

270800

271000

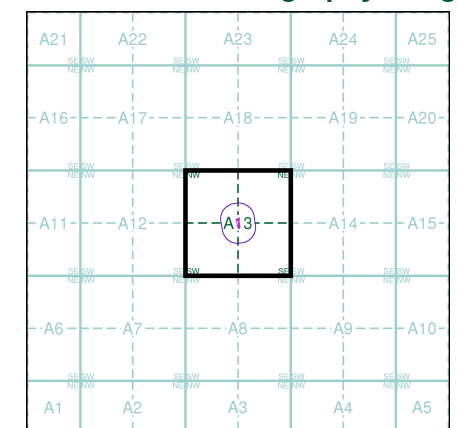


Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 243096385_1_1
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Slice: A
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Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		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

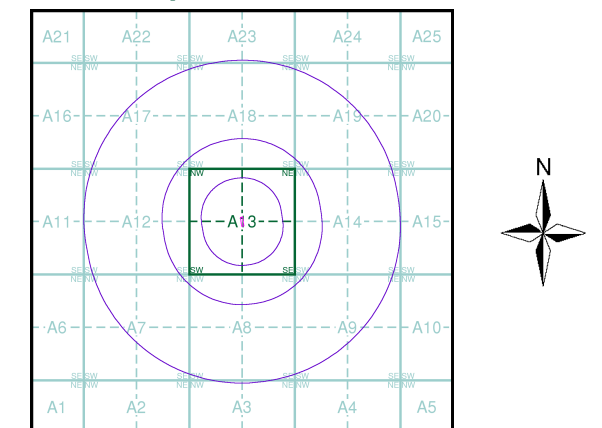
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1883	2
Carmarthenshire	1:10,560	1889	3
Glamorganshire	1:10,560	1900 - 1901	4
Carmarthenshire	1:10,560	1907 - 1908	5
Carmarthenshire	1:10,560	1907	6
Carmarthenshire	1:10,560	1921	7
Carmarthenshire	1:10,560	1938 - 1953	8
Carmarthenshire	1:10,560	1953	9
Ordnance Survey Plan	1:10,000	1964 - 1965	10
Ordnance Survey Plan	1:10,000	1979	11
Ordnance Survey Plan	1:10,000	1980 - 1989	12
Ordnance Survey Plan	1:10,000	1991 - 1994	13
10K Raster Mapping	1:10,000	1999 - 2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2020	16

Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

Glyn Road, Lower Brynamman, Ammanford, SA18 1SS



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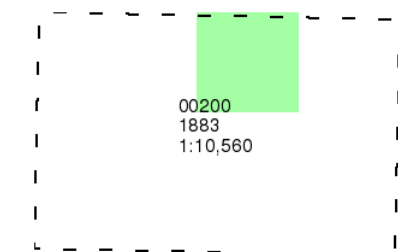
Glamorganshire

Published 1883

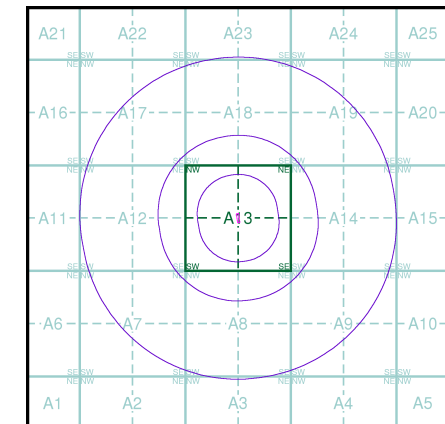
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

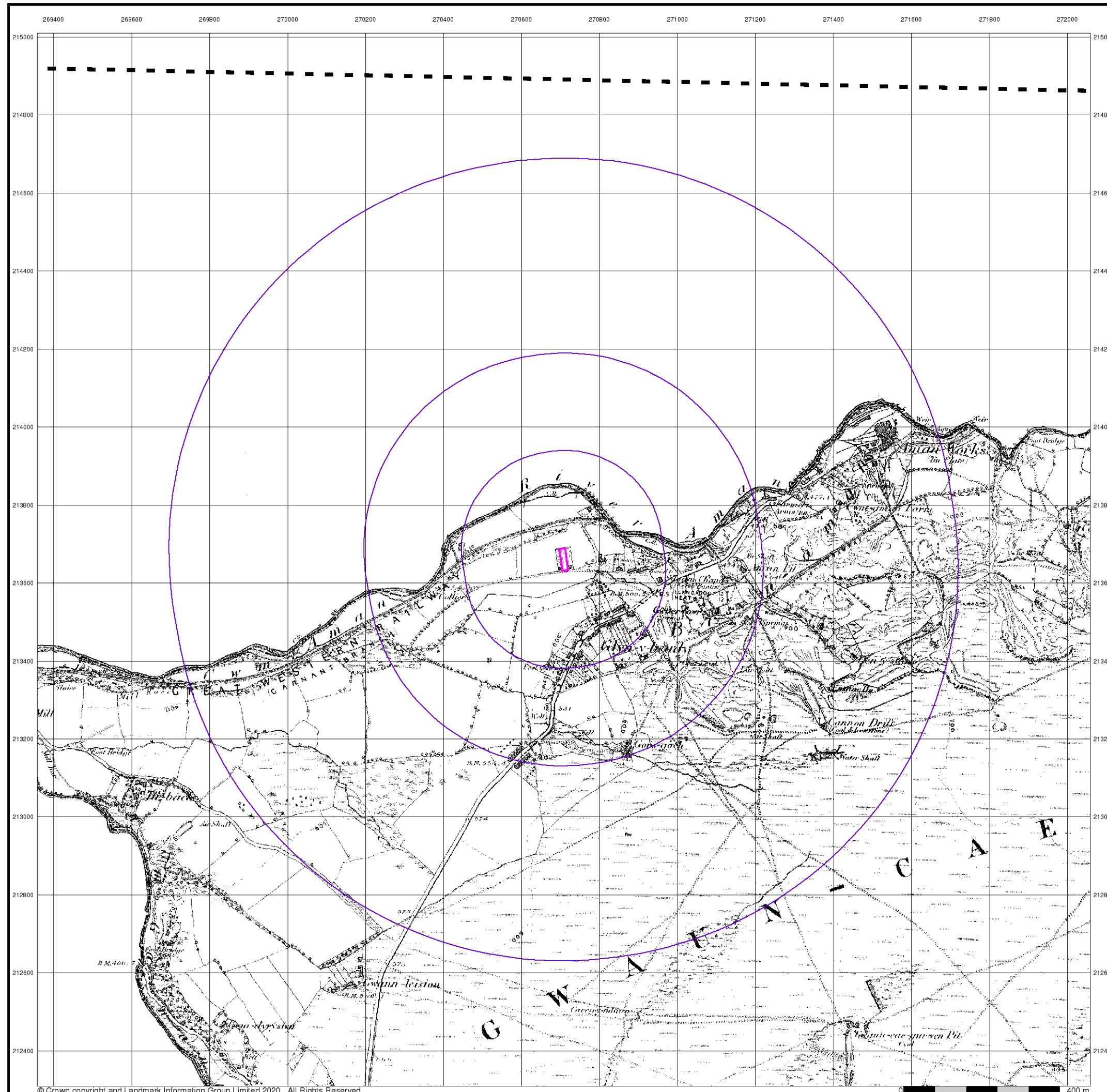
Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
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Site Details

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Carmarthenshire

Published 1889

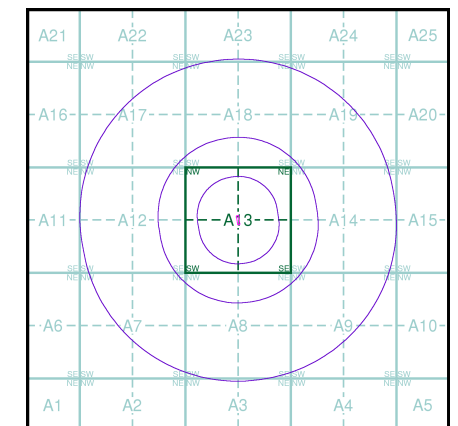
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

042SW 1889 1:10,560	042SE 1889 1:10,560
049NW 1889 1:10,560	049NE 1889 1:10,560

Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

Glyn Road, Lower Brynamman, Ammanford, SA18 1SS



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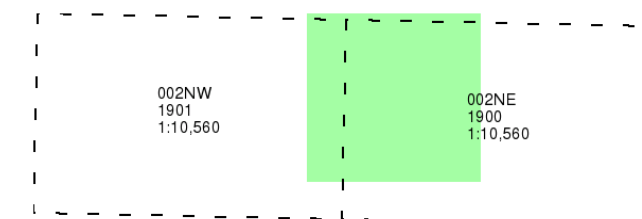
Glamorganshire

Published 1900 - 1901

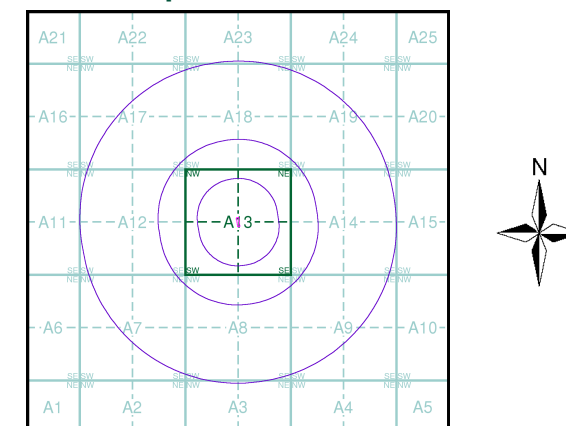
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
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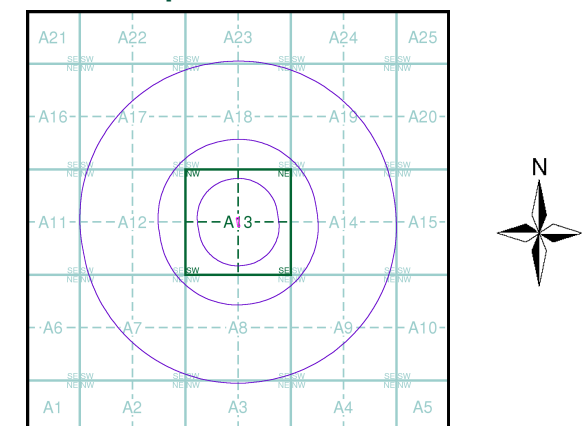


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

042SW 1907 1:10,560	042SE 1907 1:10,560
049NW 1907 1:10,560	049NE 1908 1:10,560

Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
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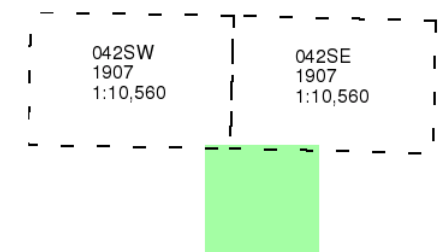
Carmarthenshire

Published 1907

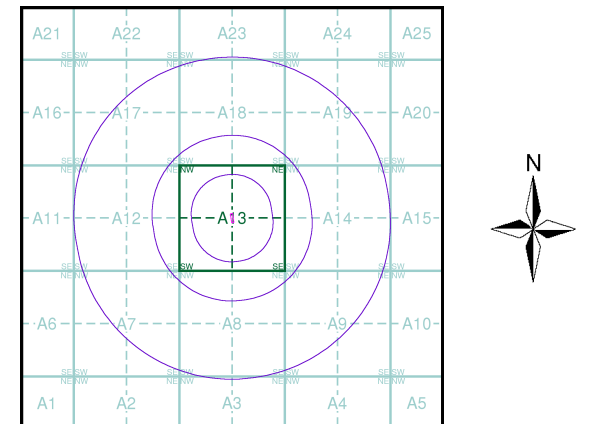
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
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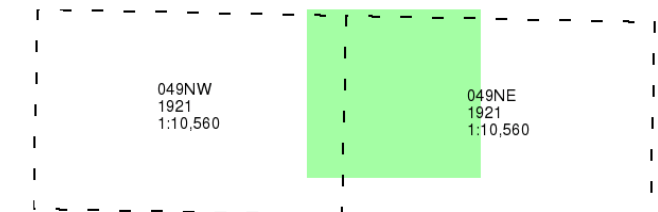
Carmarthenshire

Published 1921

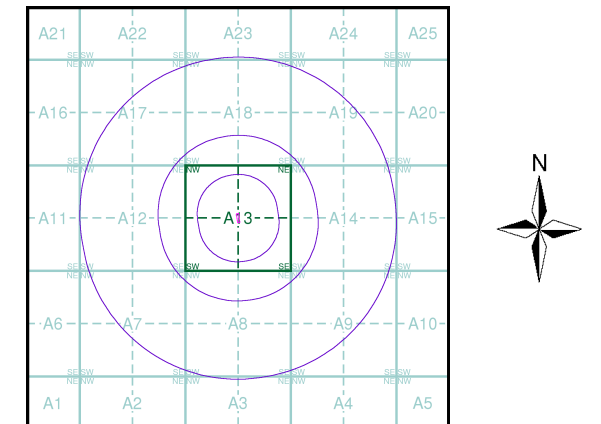
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

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Carmarthenshire

Published 1938 - 1953

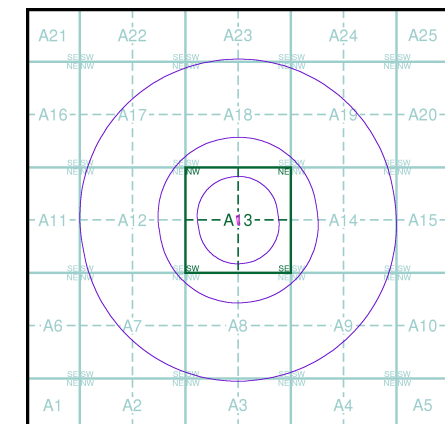
Source map scale - 1:10,560

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)

042SW 1953 1:10,560	042SE 1953 1:10,560
049NW 1938 1:10,560	049NE 1953 1:10,560

Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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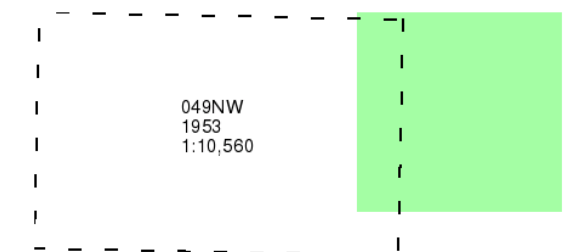
Carmarthenshire

Published 1953

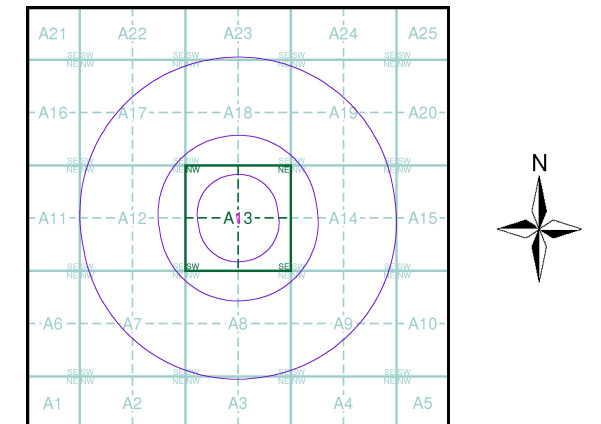
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
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Site Details

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Ordnance Survey Plan

Published 1964 - 1965

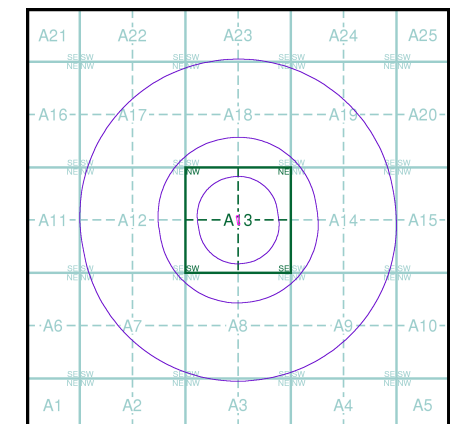
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SN61NE	SN71NW
1964	1964
1:10,560	1:10,560
SN61SE	SN71SW
1965	1965
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
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Site Details

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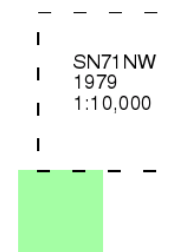
Ordnance Survey Plan

Published 1979

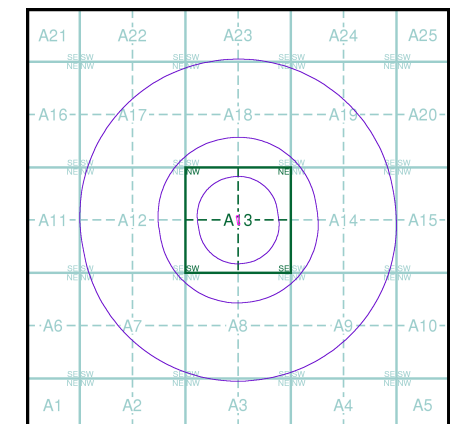
Source map scale - 1:10,000

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: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

Glyn Road, Lower Brynamman, Ammanford, SA18 1SS



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Fax: 0844 844 9951
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Ordnance Survey Plan

Published 1980 - 1989

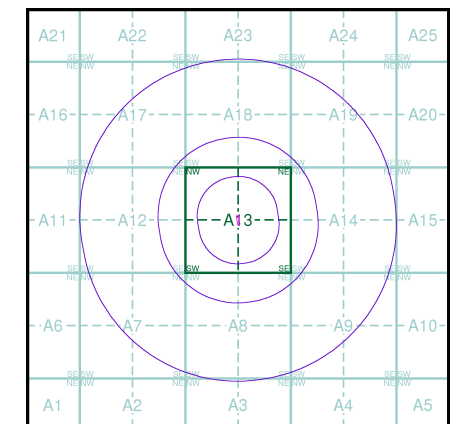
Source map scale - 1:10,000

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)

SN61NE	1980	1:10,000
SN61SE	1988	1:10,000
SN71SW	1989	1:10,000

Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
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Ordnance Survey Plan

Published 1991 - 1994

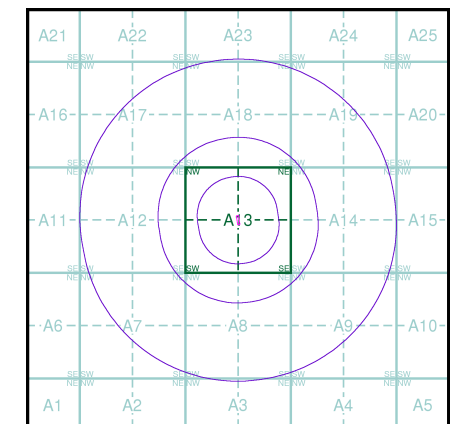
Source map scale - 1:10,000

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)

SN61NE	1991	1:10,000
SN61SE	1994	1:10,000

Historical Map - Slice A



Order Details

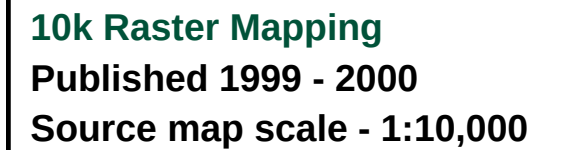
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Site Details

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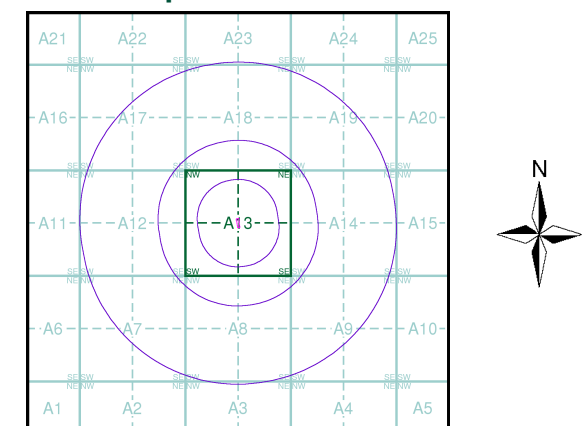
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Map Name(s) and Date(s)

SN61NE 2000 1:10,000	SN71NW 2000 1:10,000
SN61SE 1999 1:10,000	SN71SW 1999 1:10,000

Historical Map - Slice A



Order Details

Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
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10k Raster Mapping

Published 2006

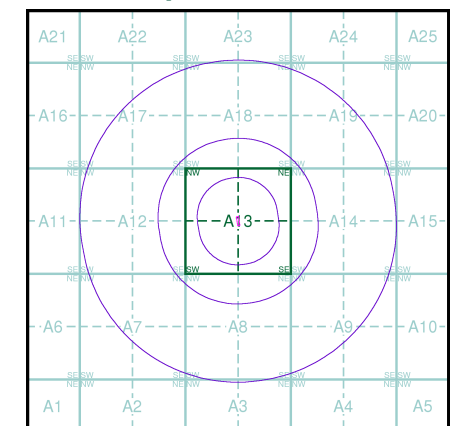
Source map scale - 1:10,000

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)

SN61NE 2006 1:10,000	SN71NW 2006 1:10,000
SN61SE 2006 1:10,000	SN71SW 2006 1:10,000

Historical Map - Slice A



Order Details

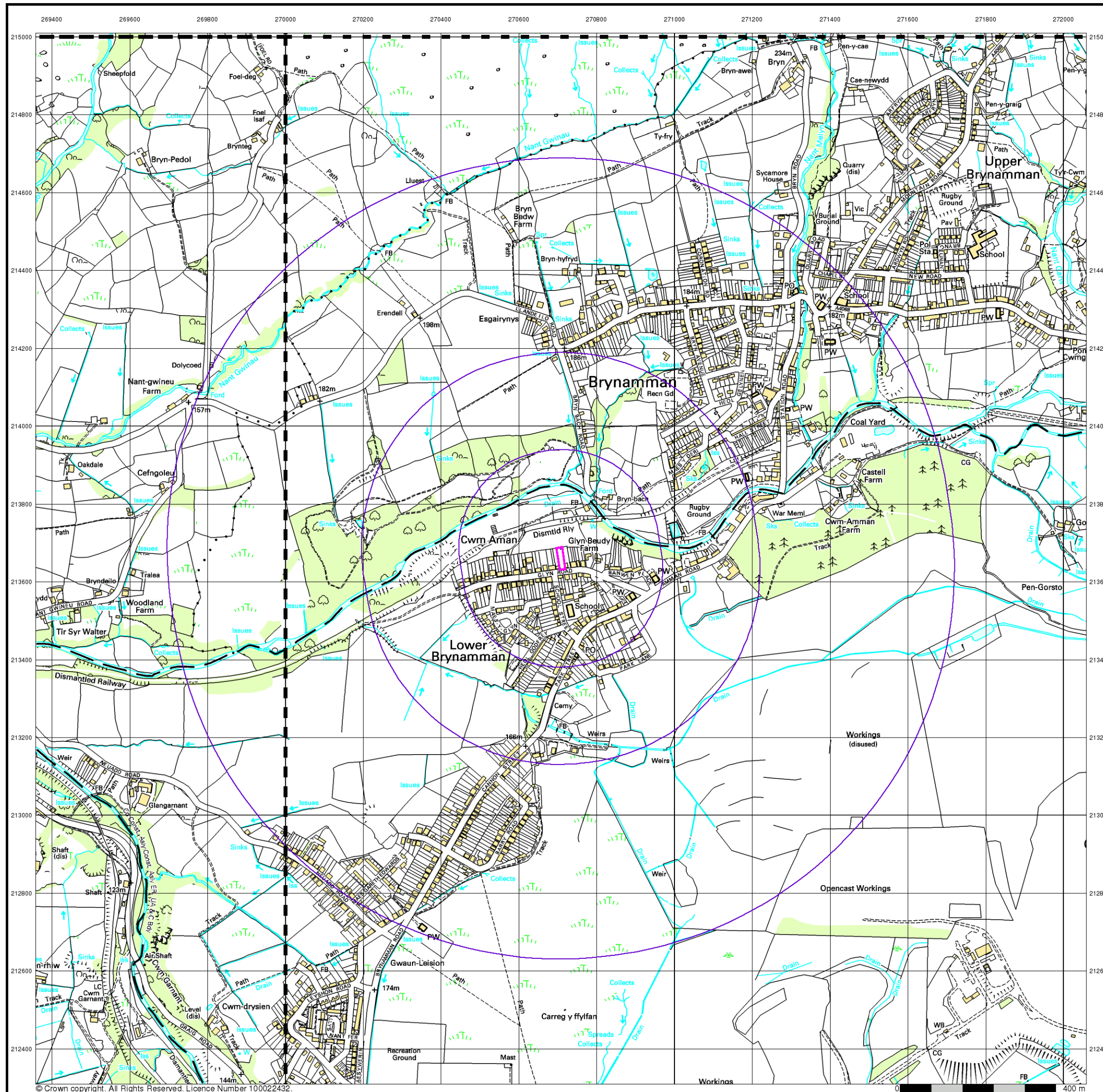
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Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

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VectorMap Local

Published 2020

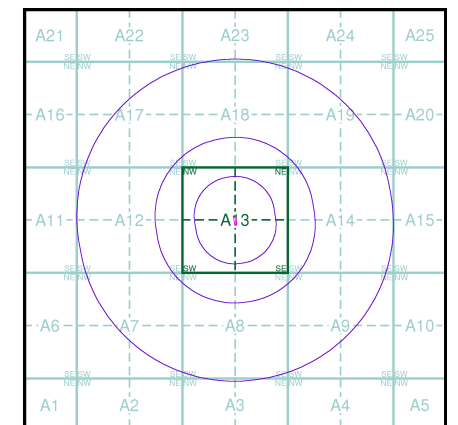
Source map scale - 1:10,000

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)

SN61NE 2020 Variable	SN71NW 2020 Variable
SN61SE 2020 Variable	SN71SW 2020 Variable

Historical Map - Slice A



Order Details

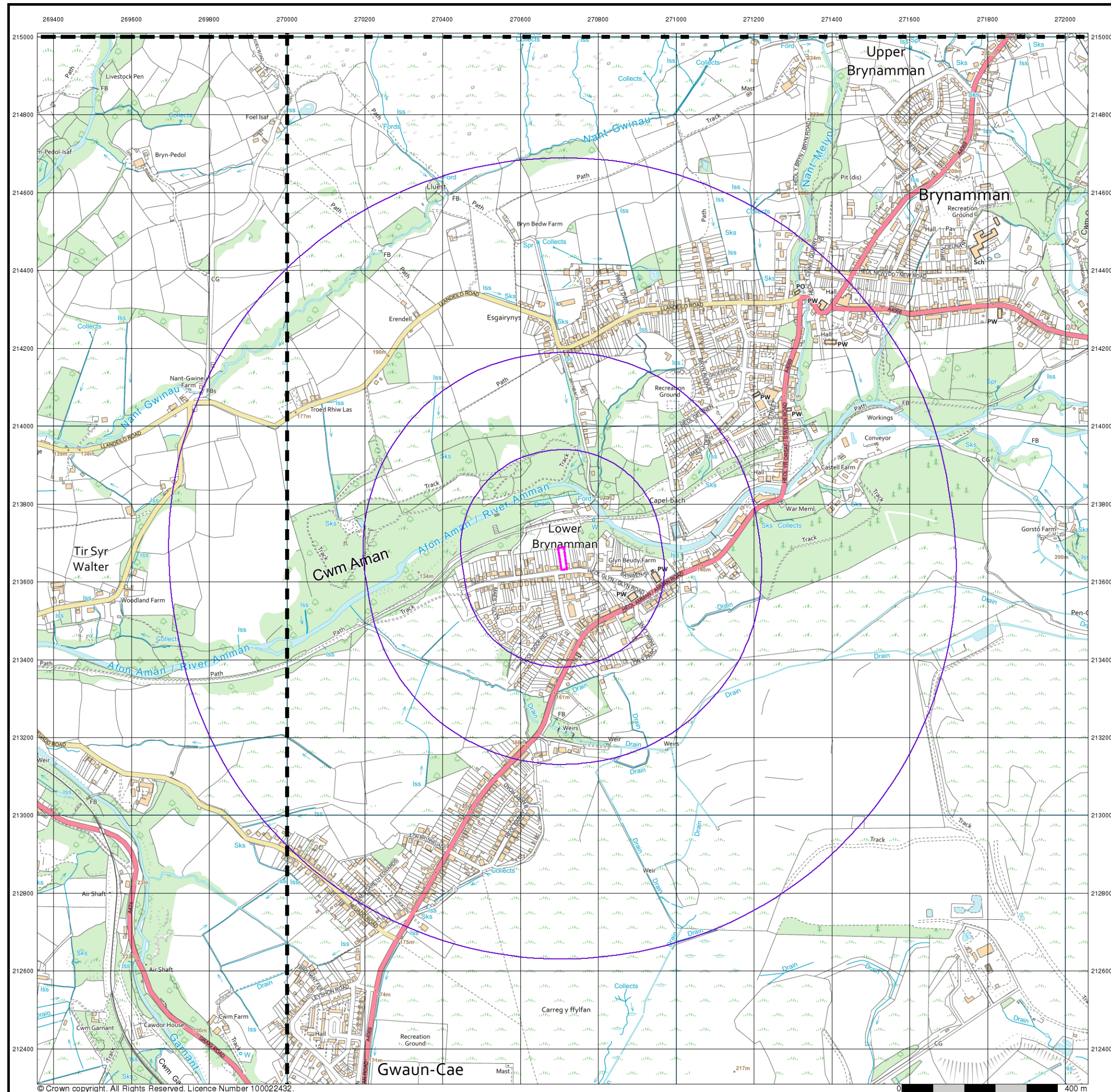
Order Number: 243096385_1_1
Customer Ref: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
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Site Area (Ha): 0.09
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Geology 1:50,000 Maps Legends

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
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Not Supplied - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	PEAT	Peat	Peat	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SWCM	South Wales Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWCM	South Wales Middle Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	SWLCM	South Wales Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWLCM	South Wales Lower Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	BISHM	Bishopston Mudstone Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Namurian
	BISHM	Bishopston Mudstone Formation	Sandstone	Not Supplied - Namurian
	TWR	Twrch Sandstone Formation	Sandstone and Conglomerate, Interbedded	Not Supplied - Namurian
		Rock Segments		
		Faults		



Geology 1:50,000 Maps

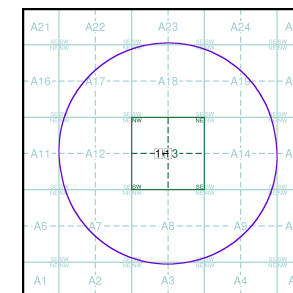
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

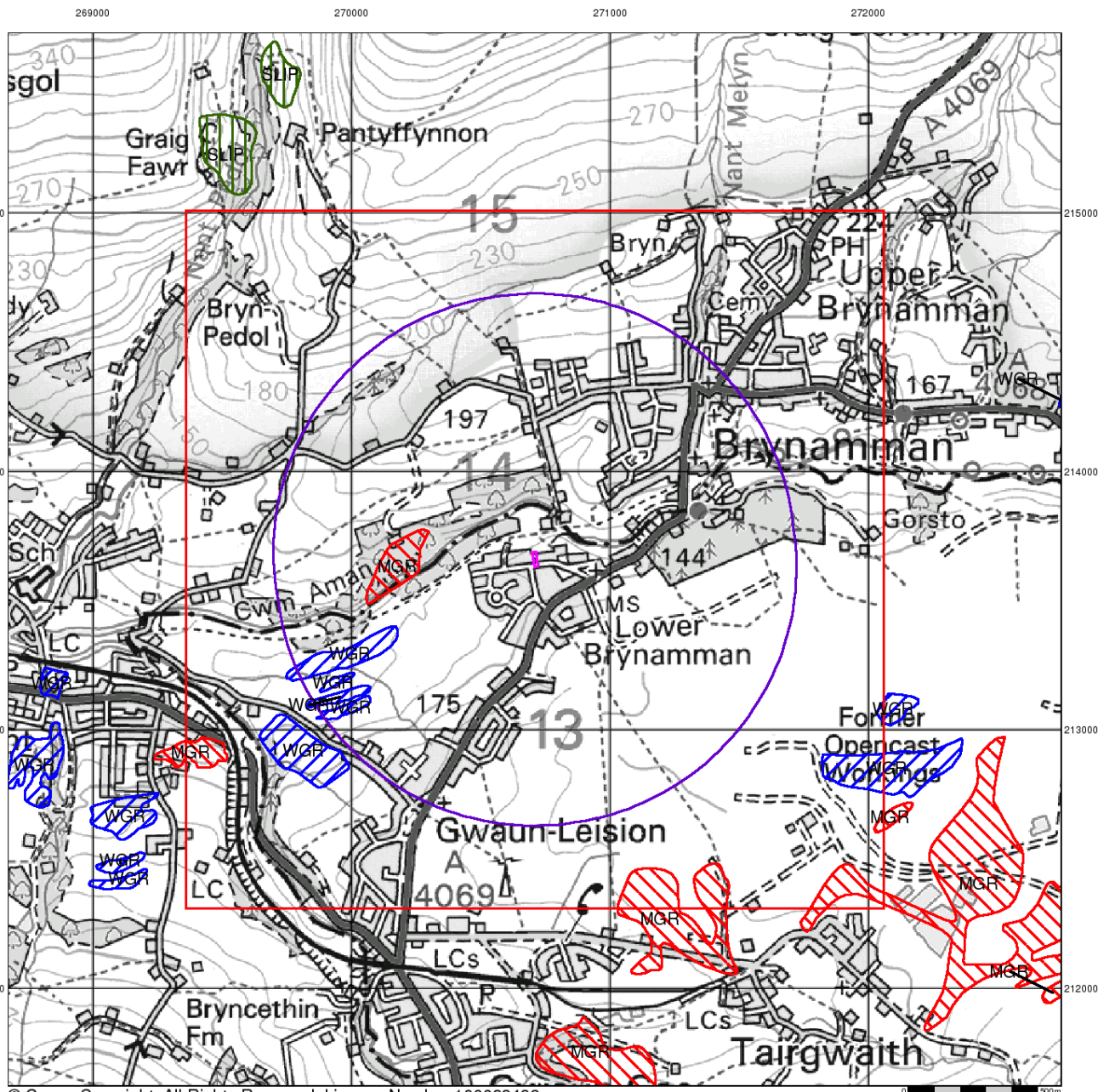
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Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	1000

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Artificial Ground and Landslip

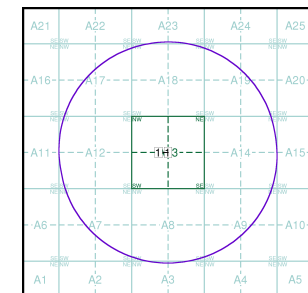
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

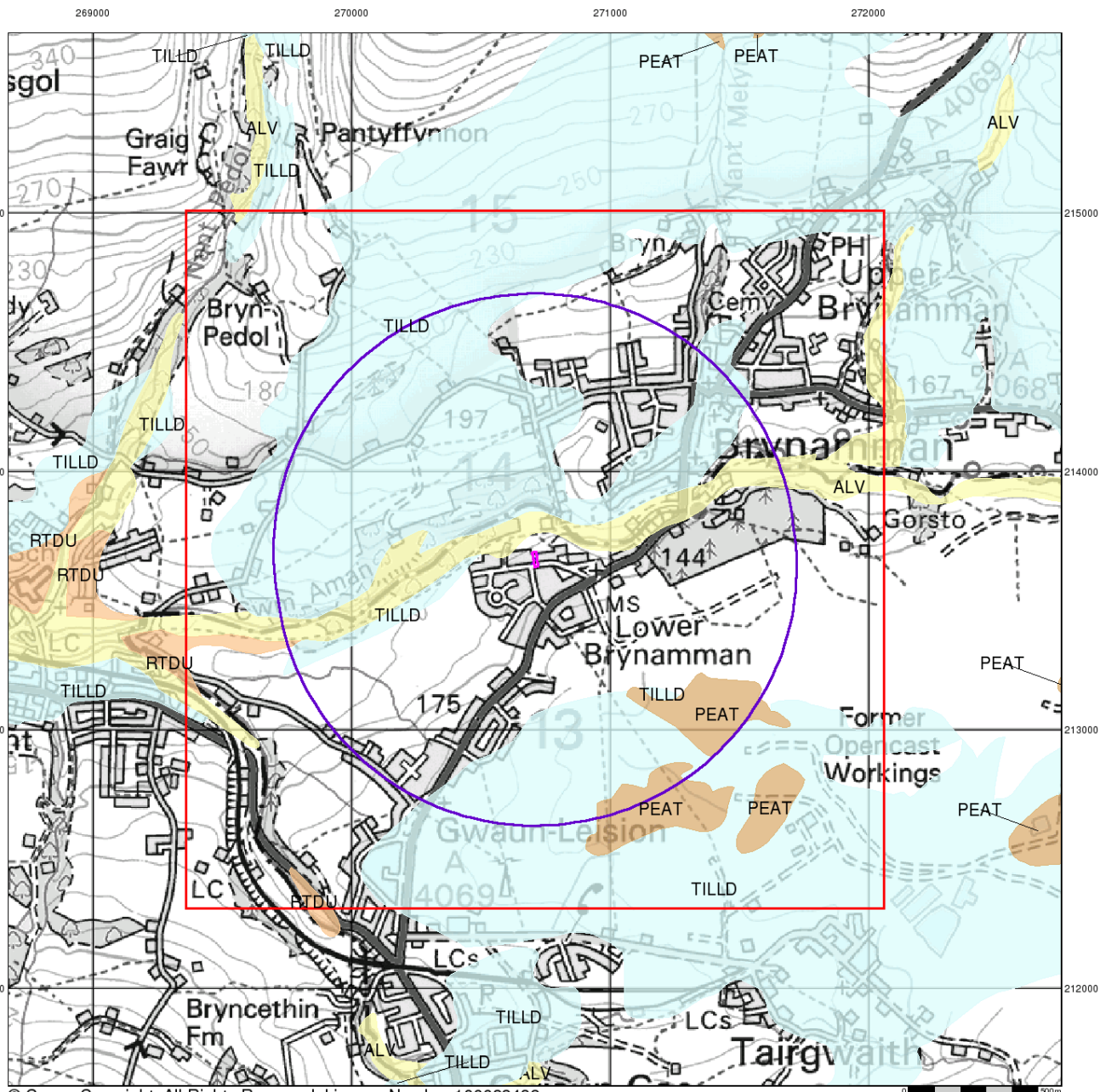
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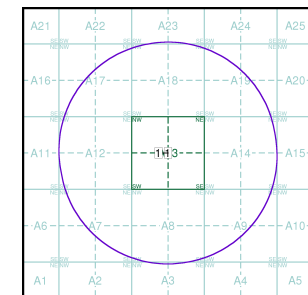
Superficial Geology

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:

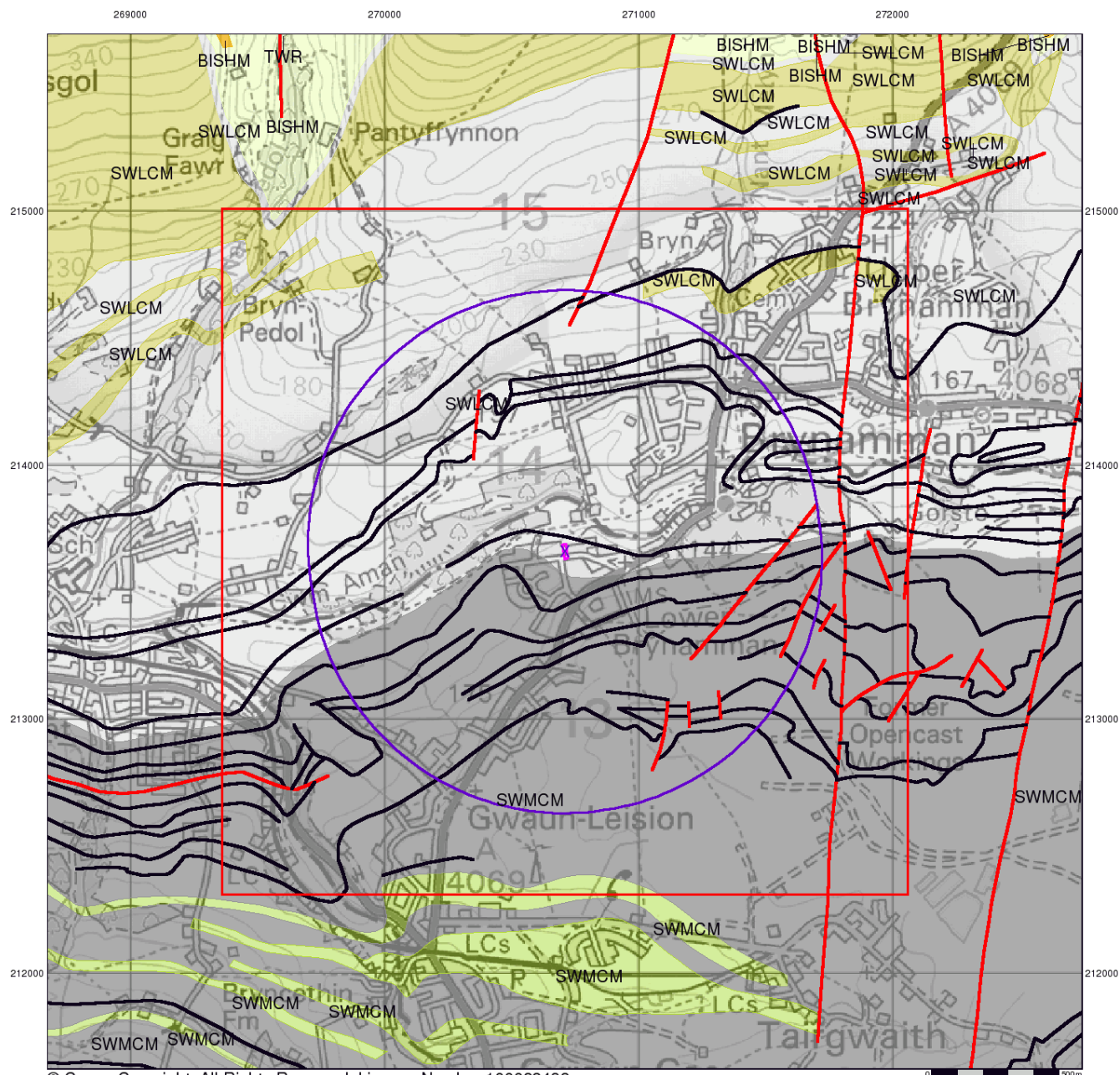
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 National Grid Reference: 270710, 213660
 Slice: A
 Site Area (Ha): 0.09
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Bedrock and Faults

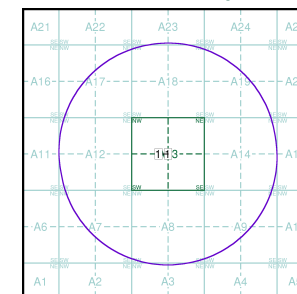
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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:

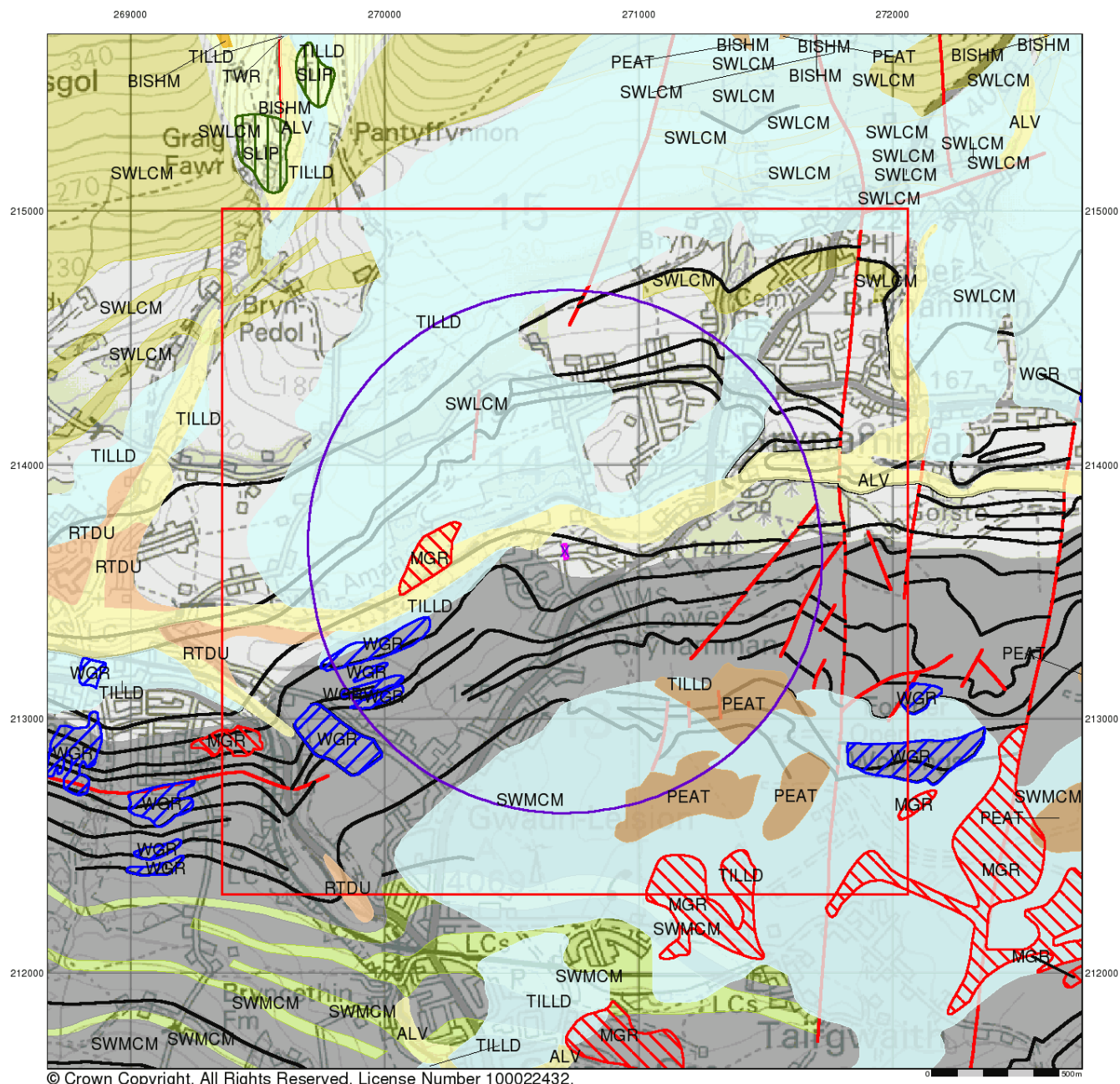
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Combined Surface Geology

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

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

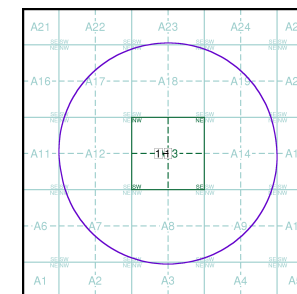
Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 243096385_1_1
Customer Reference: 16124 - Glyn Road, Brynamman
National Grid Reference: 270710, 213660
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v15.0 22-May-2020

Page 5 of 5

ANNEX B
Coal Authority Mining Report



The Coal
Authority

CON29M

coal mining report

GLYN ROAD, LOWER BRYNAMMAN, AMMANFORD, SA18 1SS,
CARMARTHENSHIRE



Known or potential coal mining risks

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



Further action

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

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



Professional opinion

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

Your reference: **243096385_2|16124 - Glyn Road,**
Our reference: **51002276715001**
Date: **22 May 2020**

Client name:
NLIS Hub

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

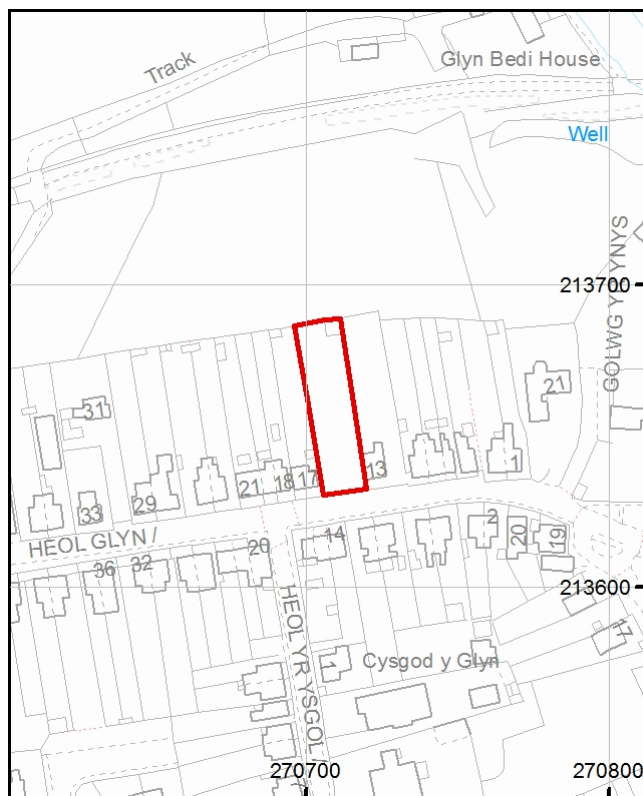


The Law
Society

Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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



Accessibility

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

Professional opinion



Future development

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

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

Detailed findings

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

The Coal Authority owns the copyright in this report and the information used to produce this report is protected by our database rights. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

1 Past underground coal mining

The property is not within a surface area that could be affected by any past recorded underground coal mining.

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

2 Present underground coal mining

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

3 Future underground coal mining

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

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

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

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

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

4 Mine entries

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

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

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

5 Coal mining geology

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

6 Past opencast coal mining

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

7 Present opencast coal mining

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

8 Future opencast coal mining

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

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

9 Coal mining subsidence

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

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

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

10 Mine gas

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

11 Hazards related to coal mining

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

12 Withdrawal of support

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

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

13 Working facilities order

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

14 Payments to owners of former copyhold land

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

Statutory cover



Coal mining subsidence

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

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

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

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



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **01623 646 333**. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

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

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

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

coal seams - bed of coal of varying thickness

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

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

mine entries - collective name for shafts and adits

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

shaft - vertical entry into a mine

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

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

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

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

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



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