



Geotechnical & Geoenvironmental Specialists

Coal Mining Risk Assessment Report

Site: 40 Mount Pleasant, Merthyr Tydfil

Prepared For: Broadman Planning Limited

Issue Date: November 2025

Job No: CMRA-TF-25-305-CA

REPORT TITLE : Coal Mining Risk Assessment Report, Proposed Residential Development, 40 Mount Pleasant, Merthyr Tydfil

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Executive Summary

Site Location and Proposed Development	<p><i>The site is located off Graig Road, Gellinudd, Rhos, Pontardawe on an approximate National Grid Reference of 27358, 204096, occupying a plan area of approximately 0.64 Hectares.</i></p>
	<p><i>The site is currently unoccupied, covered by rough grassland and non-coniferous woods. A stream runs down the western edge of the site, flowing in a south to north direction. The site elevation is approximately 102 – 106m AOD and is generally sloping down towards the North.</i></p>
Site History	<p><i>The site has remained largely undeveloped, with the exception of some historical buildings in the far north of the site.</i></p>
Geology	<p><i>The site is shown to be underlain by sandstones of the Swansea Beds and Hughes Beds, which are segregated on site by a fault that crosses its far south-western corner.</i></p> <p><i>An unnamed seam outcrops beneath the far southeast of the site, and the underlying Swansea No.3 seam lies 36m to the northwest. Reference to the geological map informs that the No.3 Swansea seam is the Graigola coal.</i></p>
Preliminary Coal Mining Risks	<p><i>The No.3 Swansea/Graigola coal is noted by the Coal Authority to be of workable thickness.</i></p> <p><i>Based on the seam dip and distance from site quoted by the Coal Authority, the seam may be expected to lie at 18m depth on the north-western corner of the site, deepening towards the southeast.</i></p> <p><i>The geological map records that the Graigola seam has been worked from outcrop north of the site.</i></p> <p><i>Due to this historical evidence for working, the presence of unrecorded workings in the seam beneath the site cannot be ruled out.</i></p> <p><i>In order to prevent the collapse of old workings migrating to the surface and forming 'crown holes' there should be a rock head to void ratio of 10:1.</i></p> <p><i>Depending on the amount of rockhead cover above any workings the above criteria may not be satisfied.</i></p> <p><i>It is therefore recommended that a physical site investigation be performed on site to establish the geological conditions and presence and thickness of any coal seams and workings.</i></p>
Mine Gas	<p><i>Due to the position of the site in relation to the underlying Graigola coal seam, there is potential high risk of mine gas if this seam is found to have been worked. If workings are identified during an intrusive investigation, a detailed mine gas risk assessment would be required to establish whether suitable mitigation measures can be incorporated into the development.</i></p>
Recommended Further Works	<p><i>An intrusive site investigation carried out in two phases designed and justified in accordance with guidance provided in BS10175:2011+A2:2017 should be undertaken to achieve the following objectives:</i></p> <ul style="list-style-type: none">• <i>Provide recommendations with regards to potential shallow mining and mine gas.</i> <p><i>The site investigation should comprise:</i></p> <ul style="list-style-type: none">• <i>A limited number of rotary boreholes to confirm that there is a low risk of shallow mining beneath the site.</i>• <i>A Mine Gas Risk assessment of the potential risk from mine gas beneath the site. This will entail the installation of gas and groundwater monitoring boreholes.</i>

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SECTION 1 Introduction and Proposed Development

1.1 Introduction

The Client has requested that a Coal Mining Risk Assessment Report be prepared for a proposed demolition of a bungalow currently occupying the site and the construction of a new two storey residential development at 40 Mount Pleasant, Merthyr Tydfil. The proposed layout can be seen in **Figure 1.1**.

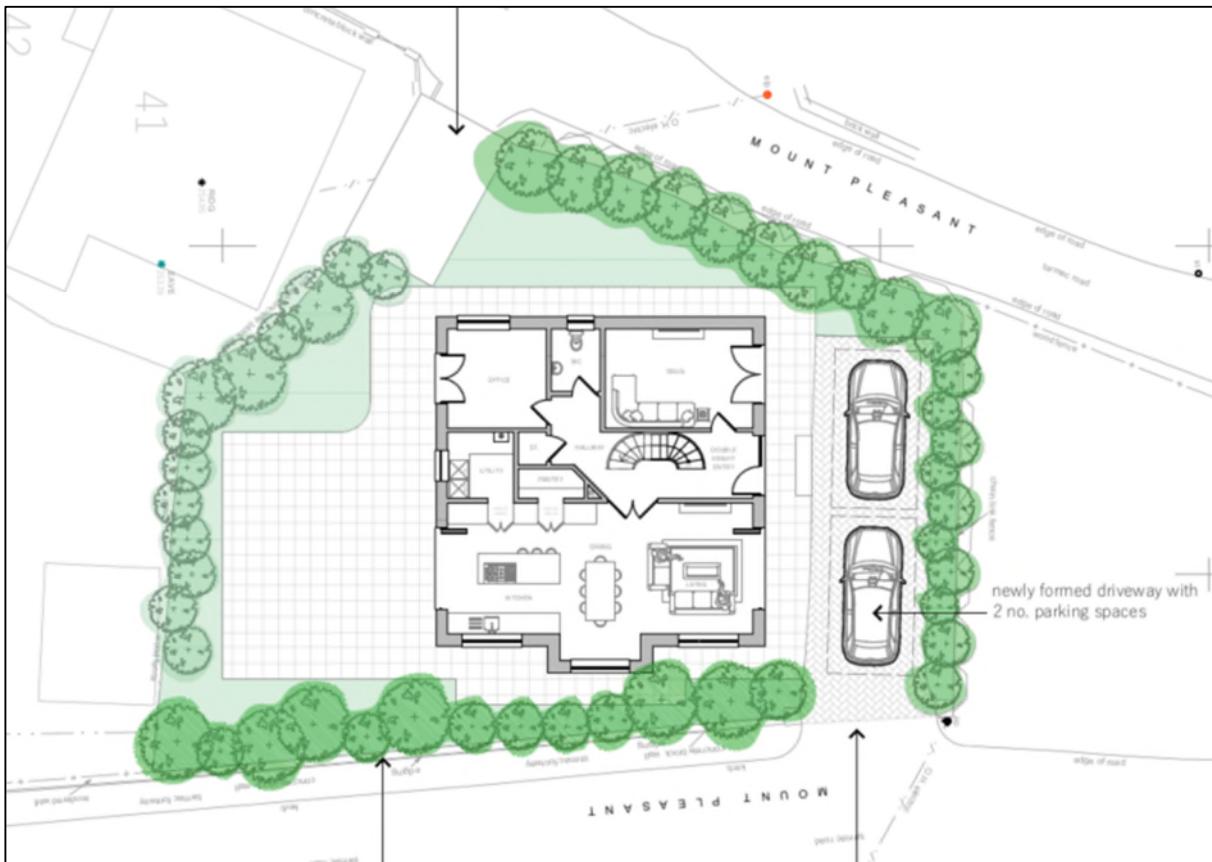


Figure 1.1 Proposed Site Layout

Terra Firma has been commissioned by the Client to undertake a desk based Coal Mining Risk Assessment (CMRA) for the site.

The main objectives of the intrusive coal mining risk assessment were to:

- Assess the presence of any unrecorded mine workings at shallow depth
- Determine the presence or otherwise of any mine entries
- Provided recommendations for any necessary ground stabilisation

In order to achieve the above objectives, Terra Firma carried out an assessment programme including a desk study review of available map and Coal Authority data.

1.2 Limitations and Exceptions of Investigation

The Client has requested that a desk-based CMRA be undertaken to enable the outlined main objectives.

The CMRA was 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 Terra Firma. If an

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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. Terra Firma 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 40 Mount Pleasant, Merthyr Tydfil. The site centres on an approximate National Grid Reference of 303340, 206330, occupying a plan area of approximately 0.04 Hectares.

The site elevation is approximately 248m AOD in the east stepping down to 246m AOD in the west.

The site is currently occupied by a detached bungalow, with a small garden to the south and steps leading up to Mount Pleasant Road to the in the north. The site is boundaries are defined by residential housing to the south, an empty plot of land to the north and Mount Pleasant Road to the east and west.

The site location can be seen on **Figure 2.1**.

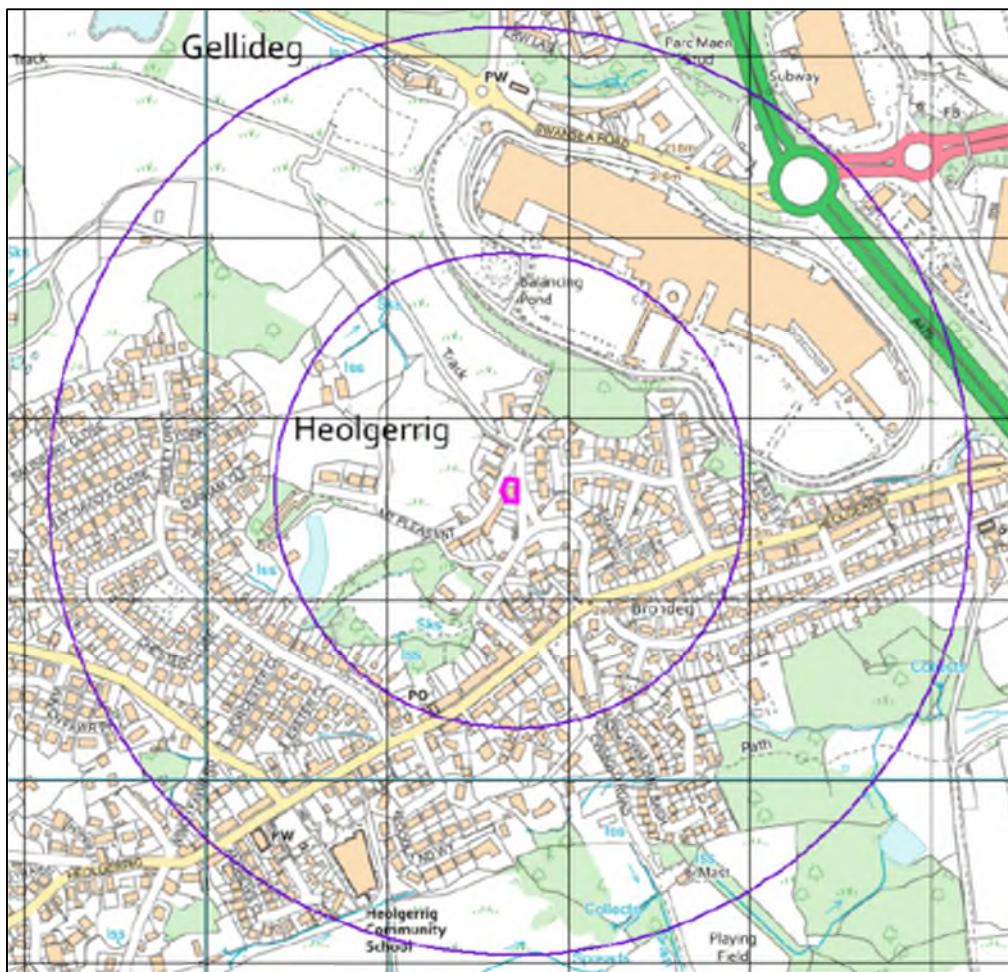


Figure 2.1 Site Location (Envirocheck, 2025)

2.2 Site History

Historical maps of the site have been obtained from 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** below. 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
1875-1881 1:2,500	The majority of the site is undeveloped with a Tramline running south southwest to north northeast in the west of the site.	No 2 Pit is located 170m west of the site with a series of associated Tramlines. Large areas of colliery waste associated with the spit are located to the north, northeast, west and southwest of the site. Coal Levels are located 60m west, 200m north, 200m northeast and 270m northwest of the site. An Air shaft is located 170m to the southwest. A reservoir is located 200m west southwest of the site. A row of residential houses is located to the immediate south of the site.
1901 1:10,560	No significant changes.	The No 2 pit is no longer operational with the shaft and level to the west now marked as 'Old'. There is now an Old Air Shaft 200m to the south and an Old Level 220m southwest. There is an Air Shaft located just over 100m north of the site and a Coal Level 160m northeast, with a new tram line connecting to the level. Coedcae Pit (disused) is located 500m to the southeast. There is an Old Shaft and an Old Pit located 480m to the west southwest and an Old Shaft and Old Pits located 490m to the west with several more Air Shafts, Coal Levels, Old Levels located between 500-100m west and southwest of the site.
1904 1:2,500	No significant changes.	No significant changes.
1919 1:2,500	No significant changes.	The old coal level 220m southwest is now a Coal Level with it a connecting Tram Line. There is now a Coal Level in the location of the Air Shaft located 170m southwest. The Coal Level to the 160m northeast is now an Old Level and the tram line has been removed.
1921 – 1922 1:10,560	No significant changes.	No significant changes.
1938 – 1951 1:2,500	The Tram Line on site has been removed.	A road has replaced the Tram Line and runs along the northern boundary of the site.
1958 – 1964 1:2,500	A small building has been built in the east central area of the site.	The majority of the land to the north, northeast and southwest is now a refuse tip. There are slag heaps 300m northeast and 150m southwest of the site.
1964 – 1965 1:10,000	No significant changes.	There are Shafts located 400m and 525m west of the site.
1979 1:10,000	No significant changes.	There has been a residential development between 250-500m west and southwest of the site. There is a Works 400m and 900m northeast of the site.
1990 – 1992 1:10,000	No significant changes.	No significant changes.
1999 1:10,000	No significant changes.	The Works 400m northeast has been demolished.
2006 1:10,000	No significant changes.	No significant changes.
2025 1:10,000	No significant changes.	Trago Mills shopping centre has been built in the location of the works 400m northeast.

2.3 Geological Setting

2.3.1 Geology

The 1:50,000 and 1:10,560 scale British Geological Survey maps of the area, Sheet 231 and Sheet Brecknockshire respectively, and the online BGS GeoIndex map viewer were consulted for geology underlying the site.

Detailed stratigraphical information is provided in **Table 2..**

Table 2.2 Detailed Stratigraphical Information

Period	Group	Formation
Recent	Made Ground	Clay, silt, sand and gravel with anthropological material
Quaternary	Devensian Till	An unsorted and unstratified drift, generally overconsolidated, deposited directly by and underneath a glacier without subsequent reworking by water from the glacier. It consists of a heterogenous mixture of clay, sand, gravel, and boulders varying widely in size and shape (diamictite).
Carboniferous	South Wales Lower Coal Measure Formation	Grey, (productive) coal-bearing mudstones/siltstones, with seatearths and minor sandstones.

Strata are typically dipping 6-13° to the south to southeast in the local area. The Gellideg coal seam is located 55m to the northeast. The Seven Feet coal seam is located 135m to the northeast. The Nine Feet coal seam is located 155m to the south. The locations of the seams relative to the site is presented in **Figure 2.1.**

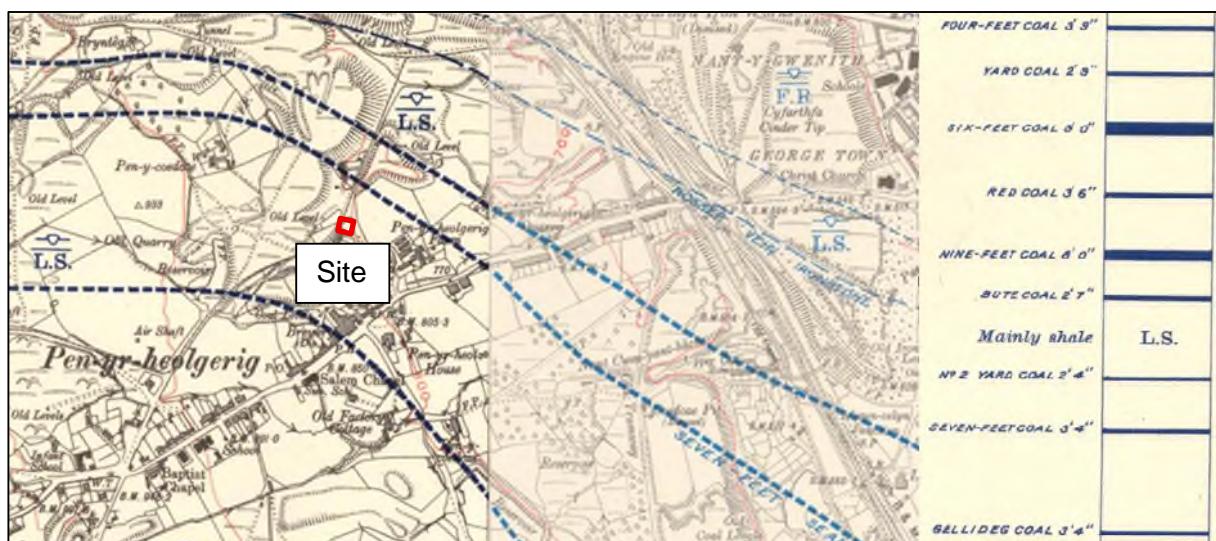


Figure 2.2 The 1:10,560 scale British Geological Map (Sheets Brecknockshire 50NE & 51NW)

The Coal Authority also records three coal seams, as shown in **Figure 2.2**. The Yard (Meadow) outcrops beneath the far southwest of the site, and the underlying Seven Foot seam lies 16.2m to the northeast and the Lower 7ft Bottom Leaf lies 42.9m northeast.

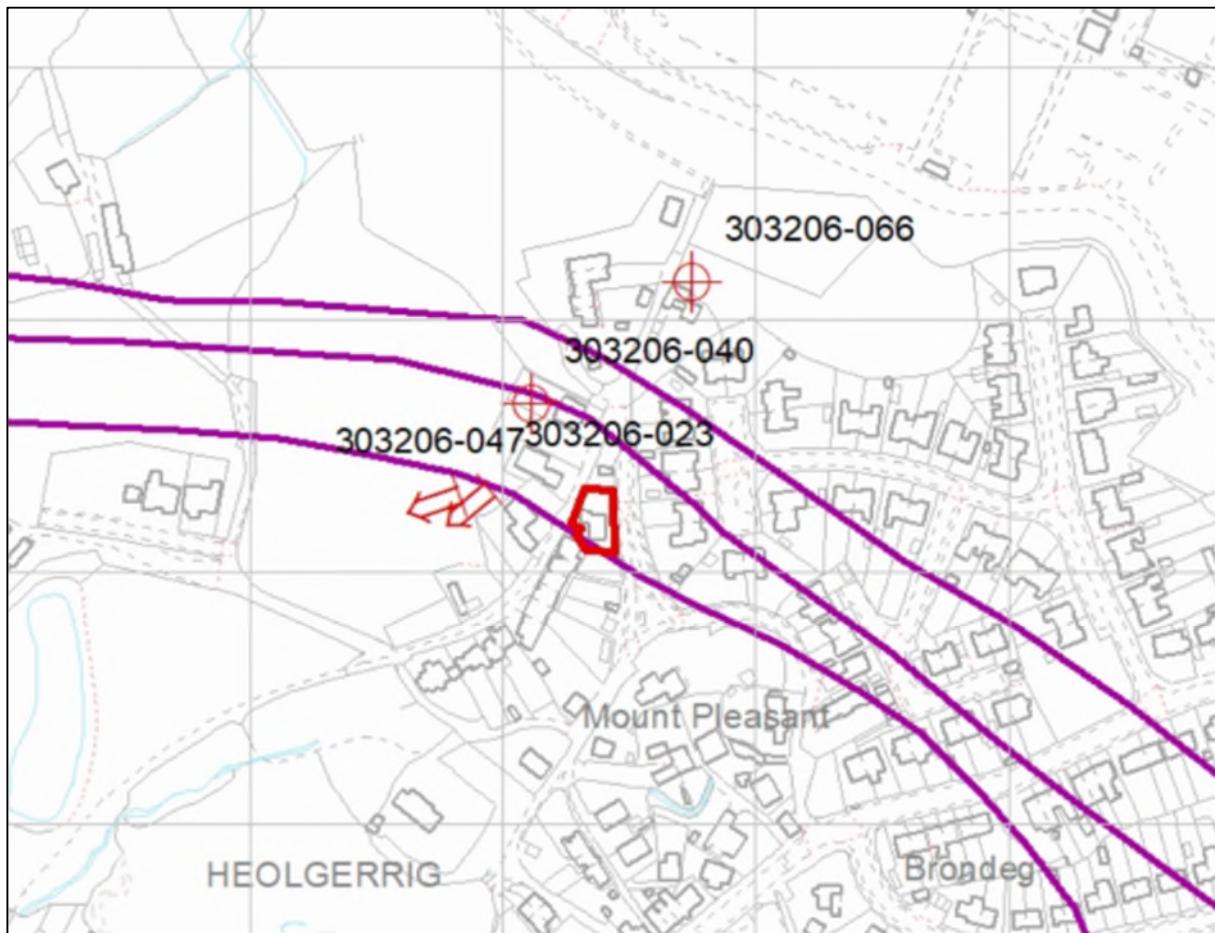


Figure 2.2 Extract from Coal Authority Report

SECTION 3 Coal Mining Data

3.1 The Coal Authority Consultants Coal Mining Report

A Coal Authority Consultants Coal Mining Report was procured for the site. The report is appended in **Annex B** and is summarised in the following subsections.

3.1.1 Past Underground Mining

The Coal Authority records one past underground mine beneath the site. The colliery is unnamed, the seam mined was the Lower 7ft Bottom Leaf at 14.00m depth. The extraction thickness was 1.60m and it was last mined in 1896. The dip of the coal bed is 3.8° South.

The Coal Authority online viewer indicates the site is located within a coal mining reporting area, within a development high risk area.

There are no spine roadways recorded at shallow depth and the Coal Authority state that no probable unrecorded workings are expected to underlie the site at shallow depth.

3.1.2 Outcrops

The Coal Authority records one coal seam outcropping within the site boundary and two within 50m. The details of the coal seams are summarised in **Table 3.1**.

Table 3.1 Outcrops

Seam Name	Distance/Direction	Workable?	Bearing of Outcrop
Yard (Meadow)	Within the site	Yes	122
Seven Foot	16.2m Northeast	Yes	129
Lower 7ft Bottom Leaf	42.9m Northeast	Yes	122

The geological map shows the strata typically dipping 6-13° to the south to southeast in the local area, however the Coal Authority reports states the Lower 7ft Bottom Leaf outcrops 42.9m Northeast of the site and is present beneath the site at 14.00m, using trigonometry the dip of the coal seam is 18.07°. Using trigonometry and the dip of 18.07° the Gellideg coal seam is likely to be present beneath the site at 17.9m and the Seven Feet coal seam at 44.0m.

3.1.3 Mine Entries

There are four mine entries, two Adit's and two Shafts recorded in the Coal Mining Report within 100m of the site boundary. Due to the age of the mines there is no treatment details for the min entries. The details of the mine entries are summarised in **Table 3.2**.

Table 3.2 Mine Entries

Entry Type	Reference Number & Name	Grid Reference	Distance / Direction	Treatment Description	Coal Authority Departure	Assumed Diameter
Shaft	303206-040	303312, 206367	40m Northwest	Unknown	10.00m	2.50m
Adit	303206-023	303295, 206332	45m West	Unknown	5.00m	3.00m
Adit	303206-047	303282, 206330	60m West	Unknown	8.00m	3.00m
Shaft	303206-066	303375, 206415	80m Northwest	Unknown	5.00m	2.50m

The locations of the mine entries can be seen below on **Figure 2.2**.

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 at the site.

3.2 Stratigraphical Sequence Beneath the Site

The site is shown to be underlain by the South Wales Middle Coal Measures. The anticipated stratigraphical sequence beneath the site is illustrated in **Figure 3.1**.

South Wales Lower Coal Measures	Holocene MADE GROUND	1.00m
	Quaternary Superficial Deposits	2.00m
	COAL No2 Yard	2.75m
	Coal Bearing Mudstone/Siltstone with Seatearth and minor Sandstone	5.20m
	COAL Seven Feet	6.30m
	Coal Bearing Mudstone/Siltstone with Seatearth and minor Sandstone	14.00m
	COAL Lower 7ft Bottom Leaf	15.60m
	Coal Bearing Mudstone/Siltstone with Seatearth and minor Sandstone	17.90m
	COAL Gellideg	18.90m
	Coal Bearing Mudstone/Siltstone with Seatearth and minor Sandstone	44.00m
	COAL Gellideg	45.00m
	Coal Bearing Mudstone/Siltstone with Seatearth and minor Sandstone	60.00m
	COAL Garw Coal	60.45m
	Coal Bearing Mudstone/Siltstone with Seatearth and minor Sandstone	80.00m

Figure 3.1 Geology and Strata Base below Ground Level

A combined drawing of an extract from Coal Mining Authority Report and 1:10,560 scale British Geological Map, Sheet Brecknockshire 50NE, can be seen in **Figure 3.1** which shows the locations of all the coal seams in the local area.

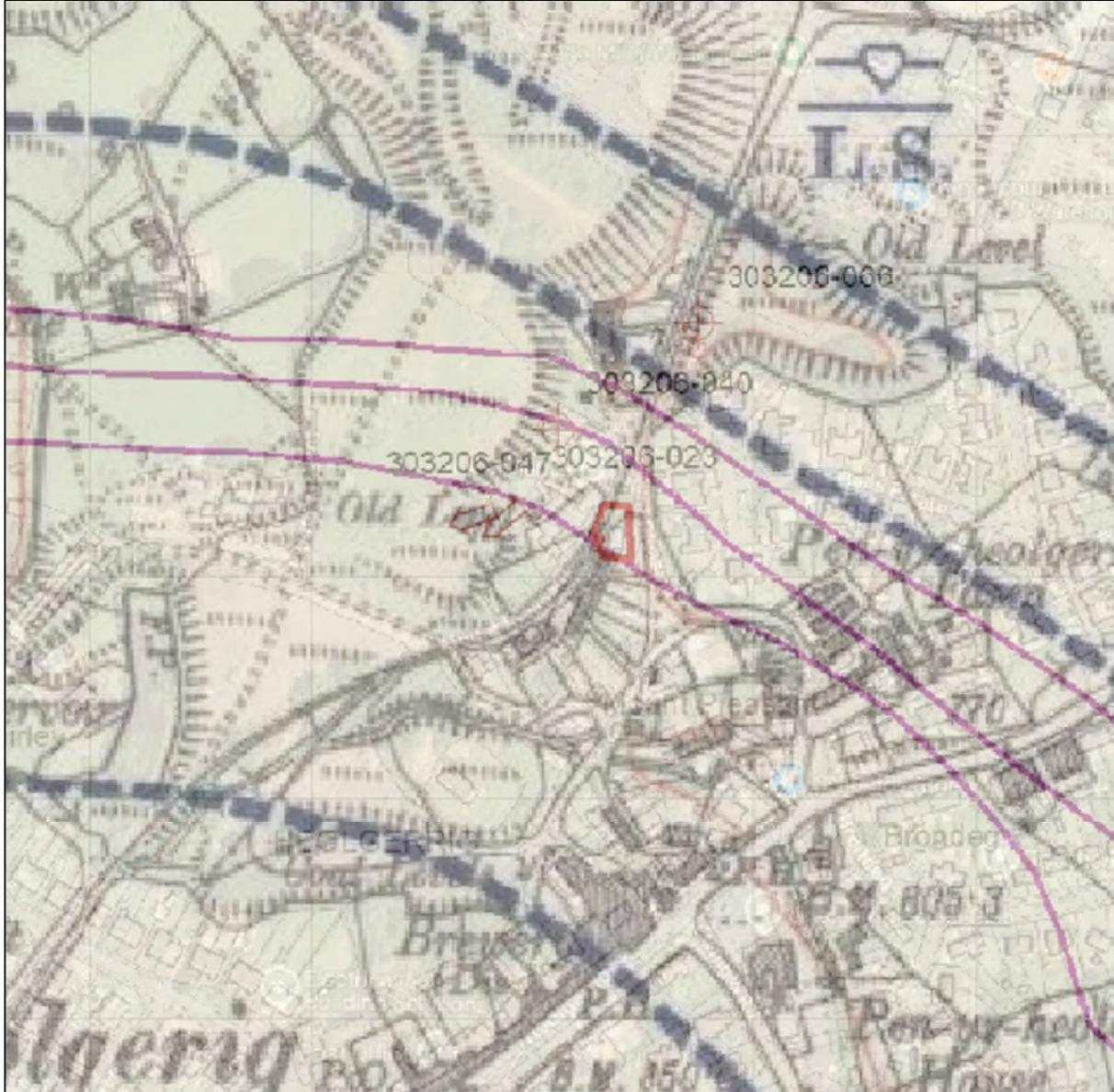


Figure 3.2 Extract from the Coal Authority Report and 1:10,560 scale British Geological Map (Sheet Brecknockshire 50NE)

3.3 Conclusion

Due to the past underground mining beneath the site at shallow depth the site the risk to surface stability from mining legacy features is considered high. Therefore, it will be necessary to undertake intrusive investigations to refine the risk.

In order to prevent the collapse of old workings migrating to the surface and forming 'crown holes' there should be a rock head to void ratio of 10:1.

Depending on the amount of rockhead cover above any workings the above criteria may not be satisfied.

It is therefore recommended that a physical site investigation be performed on site to establish the geological conditions and presence and thickness of any coal seams and workings.

This should entail the sinking of a number of rotary probeholes across the site

The probeholes should be taken to a depth of 30m into bedrock. Any workings with $\geq 30m$ rockhead cover are not deemed to present a significant risk from collapse at the surface.

Following investigation, the requirement for any necessary mine stabilisation can be confirmed. If shallow workings are found to exist and insufficient rockhead cover is confirmed, then a probe drilling and grouting exercise will be necessary.

Once all investigatory works have been undertaken then the most suitable foundation solution may be recommended.

3.4 Geoenvironmental Risk

3.4.1 Mine Gas Risk Assessment

This assessment has been completed in accordance with guidance published in CL:AIRE:2021, Good practice for risk assessment for coal mine gas emissions. In the first instance, the risk assessment process requires the screening out of 'potentially at risk sites' utilising the decision support tool for mine gas risk assessment, provided in Figure 13.1 – CLAIRE:2021. A summary of the decision tool and site outcome is presented in **Table 3.2**.

Table 3.2 Decision Support Tool Summary – Site Specific

Step	Qualifier Question	Outcome	Comment
1	Is the site within a Coal Authority defined Coal Mining Reporting Area?	Yes	Go to step 2
2	Are all these statements true? Mine entries >50m from site boundary Workings >150m depth No faults or other potential pathways connecting surface to deeper unflooded workings Outside area of past or probable shallow workings on Coal Authority Viewer	No	Got to step 3
3	Are all these statements true? Workings between 30m and 150m but permanently flooded or covered by 10m+ of low permeable superficial deposits Mine entries > 50m from site boundary Low permeability superficial deposits of sufficient thickness - $<1\times10^{-4}$ m/s hydraulic conductivity	No	Go to step 4
4	Are any of these statements true? Mine entries on site or <20m from site boundary Workings below site <30m depth and unflooded or variable water level Faults or other pathways connecting surface to deeper unflooded workings Within area of past or probable shallow workings on Coal Authority Viewer	Yes	High Risk Zone

It is determined the site is at high risk of mine gas requiring a detailed mine gas risk assessment to establish whether suitable mitigation measures can be incorporated into the development.

SECTION 4 Recommended Further Works

4.1 General

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

- Provide recommendations with regards to potential shallow mining and mine gas.

4.2 Intrusive Investigation

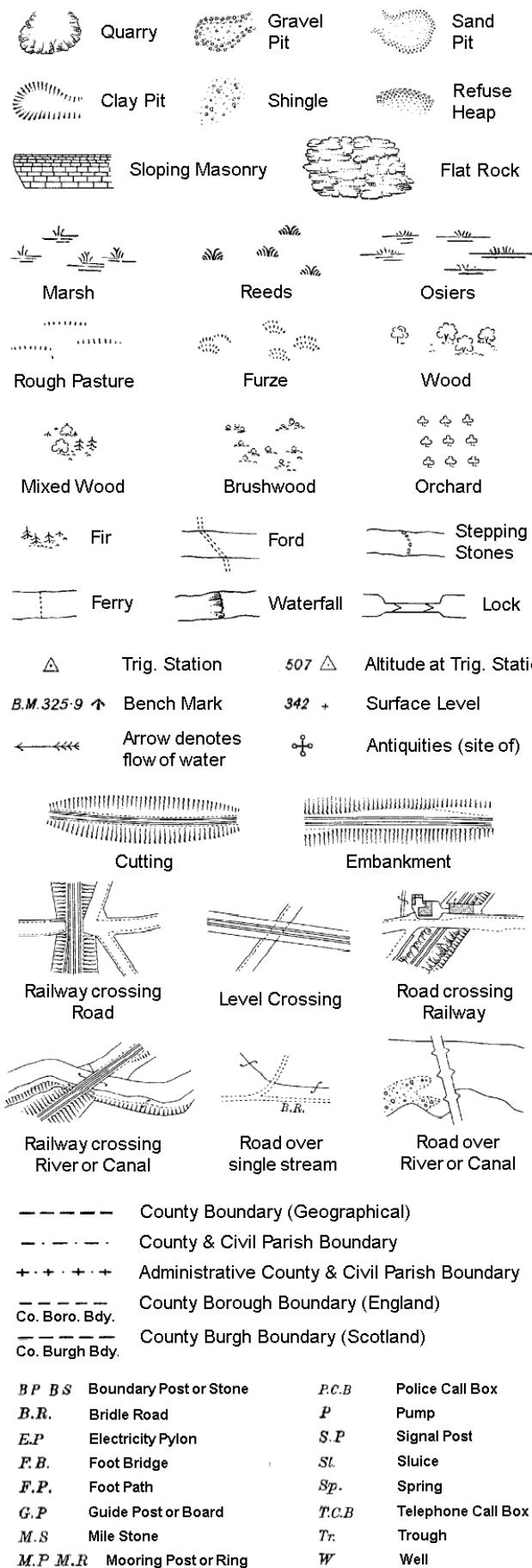
The site investigation should comprise:

- A limited number of rotary boreholes to confirm that there is a low risk of shallow mining beneath the site.
- A Mine Gas Risk assessment of the potential risk from mine gas beneath the site. This will entail the installation of gas and groundwater monitoring boreholes.

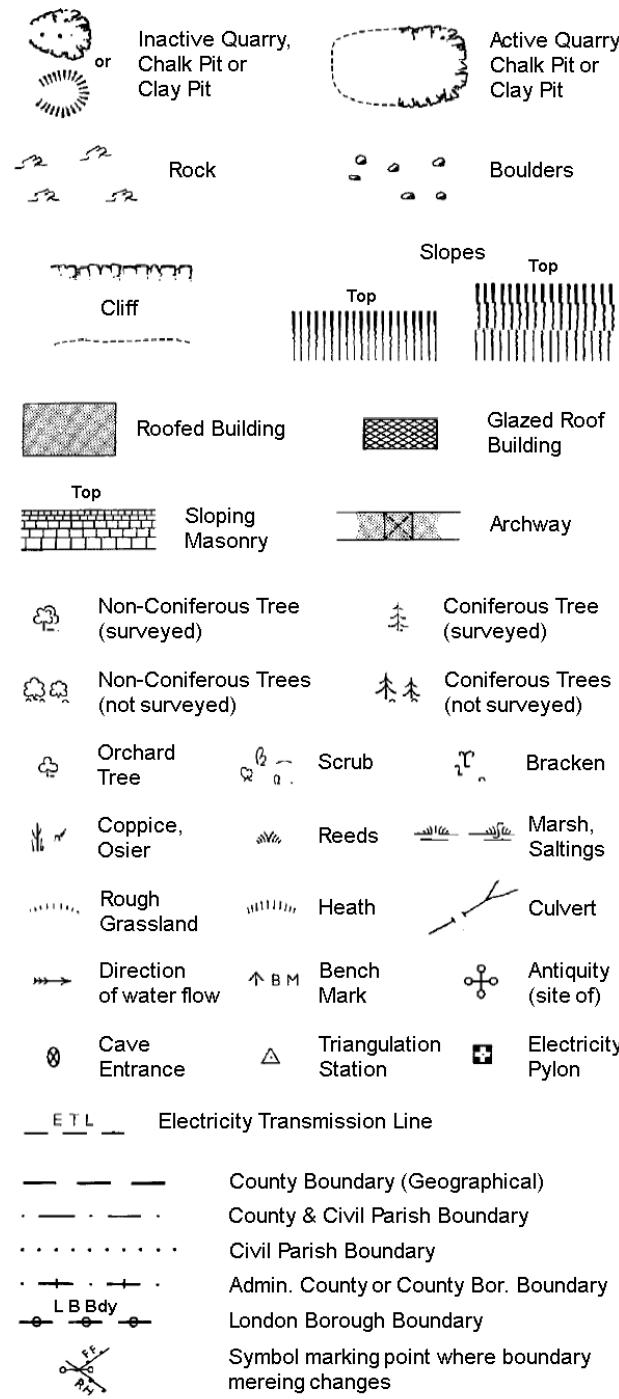
ANNEX A
Historical Maps

Historical Mapping Legends

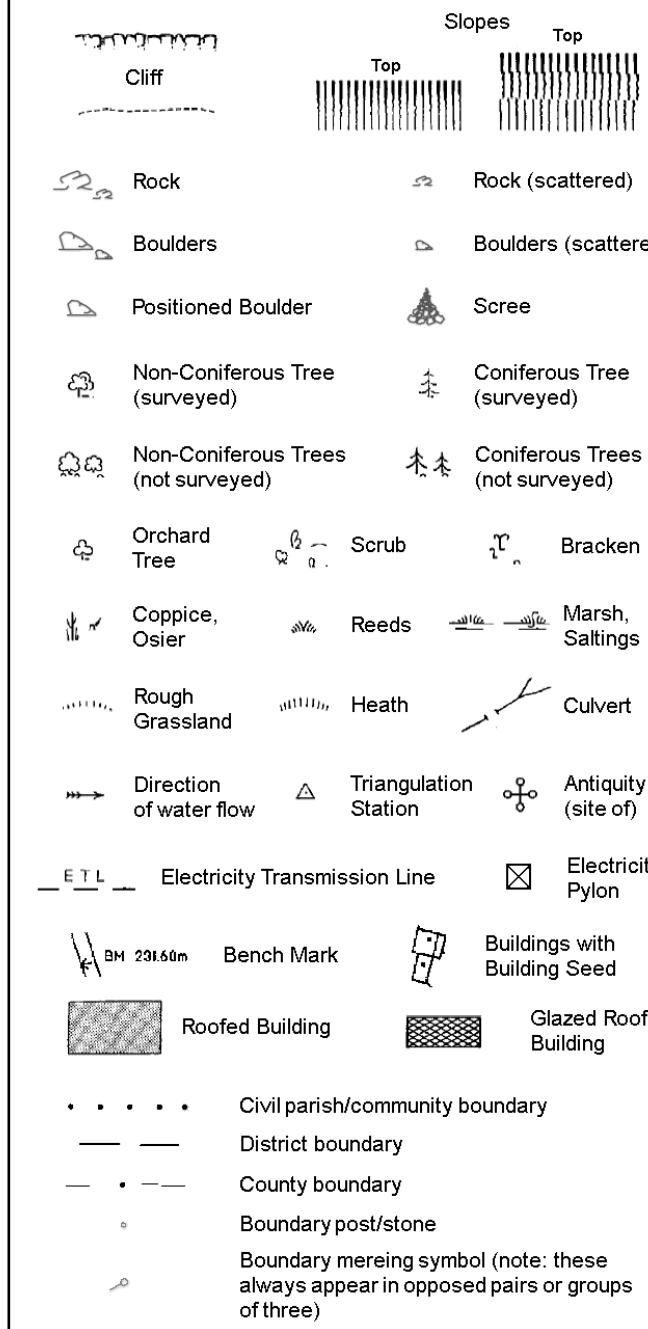
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

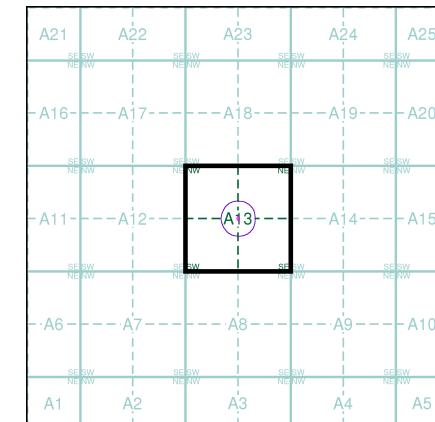


Large-Scale National Grid Data 1:2,500 and 1:1,250



Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1875 - 1881	2
Glamorganshire	1:2,500	1900 - 1904	3
Brecknockshire	1:2,500	1904	4
Brecknockshire	1:2,500	1919	5
Glamorganshire	1:2,500	1919	6
Ordnance Survey Plan	1:1,250	1956 - 1989	7
Ordnance Survey Plan	1:2,500	1958 - 1964	8
Ordnance Survey Plan	1:2,500	1975	9
Ordnance Survey Plan	1:1,250	1975	10
Additional SIMs	1:2,500	1975 - 1990	11
Additional SIMs	1:1,250	1984 - 1990	12
Large-Scale National Grid Data	1:2,500	1993	13
Large-Scale National Grid Data	1:1,250	1993	14
Large-Scale National Grid Data	1:1,250	1994 - 1995	15
Historical Aerial Photography	1:2,500	2000	16

Historical Map - Segment A13



Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330

Glamorganshire

Published 1875 - 1881

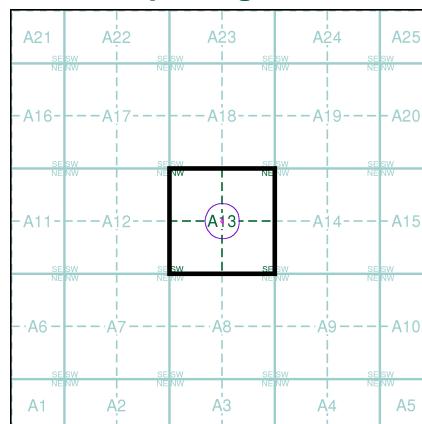
Source map scale - 1:2,500

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)

011_04 1875 1:2,500	012_01 1875 1:2,500
011_08 1881 1:2,500	012_05 1876 1:2,500

Historical Map - Segment A13

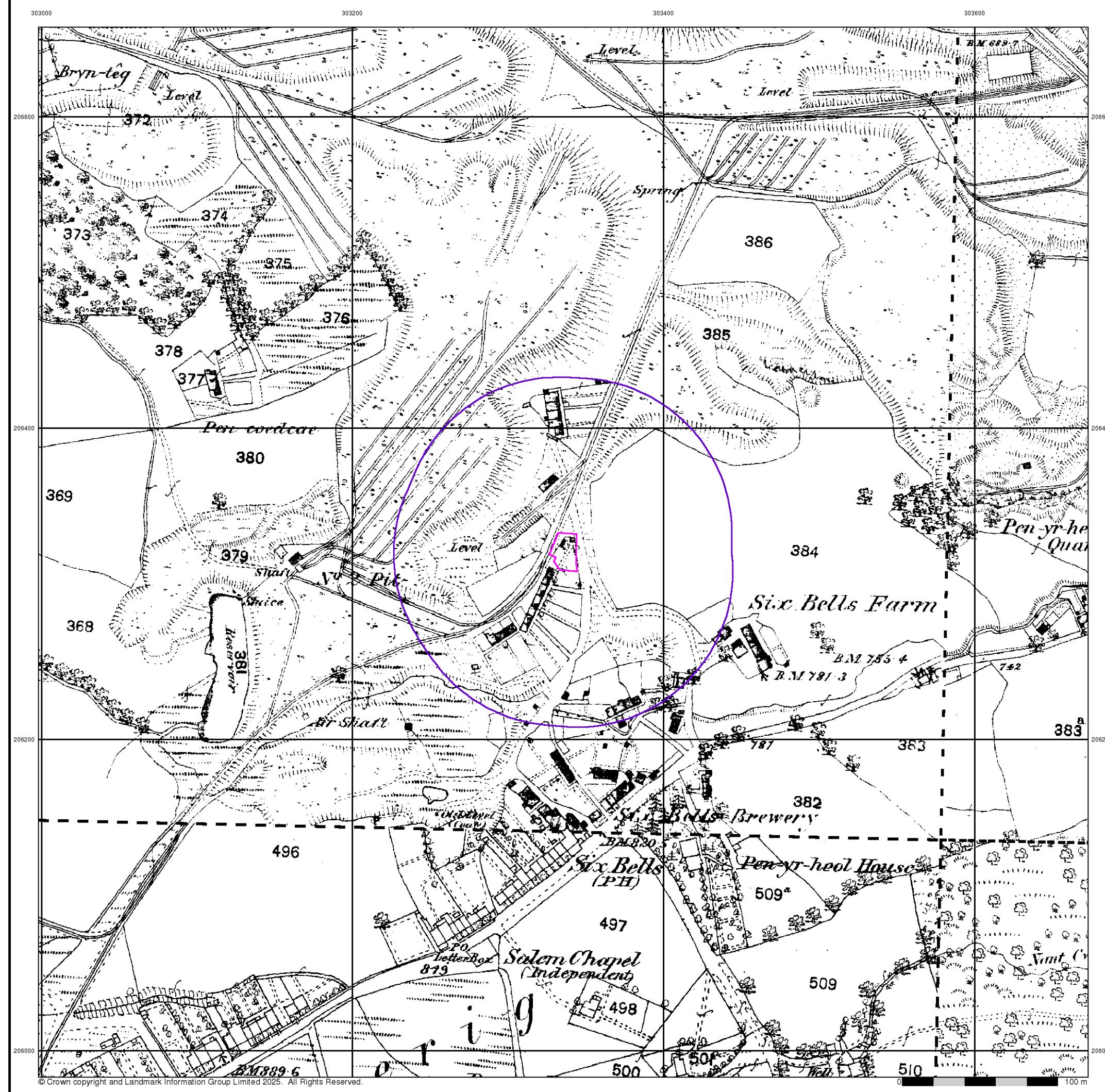


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330



Glamorganshire

Published 1900 - 1904

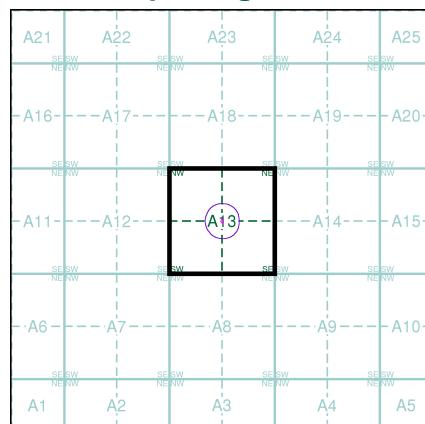
Source map scale - 1:2,500

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)

011.04 1904 1:2,500	012.01 1900 1:2,500
011.08 1900 1:2,500	012.05 1900 1:2,500

Historical Map - Segment A13

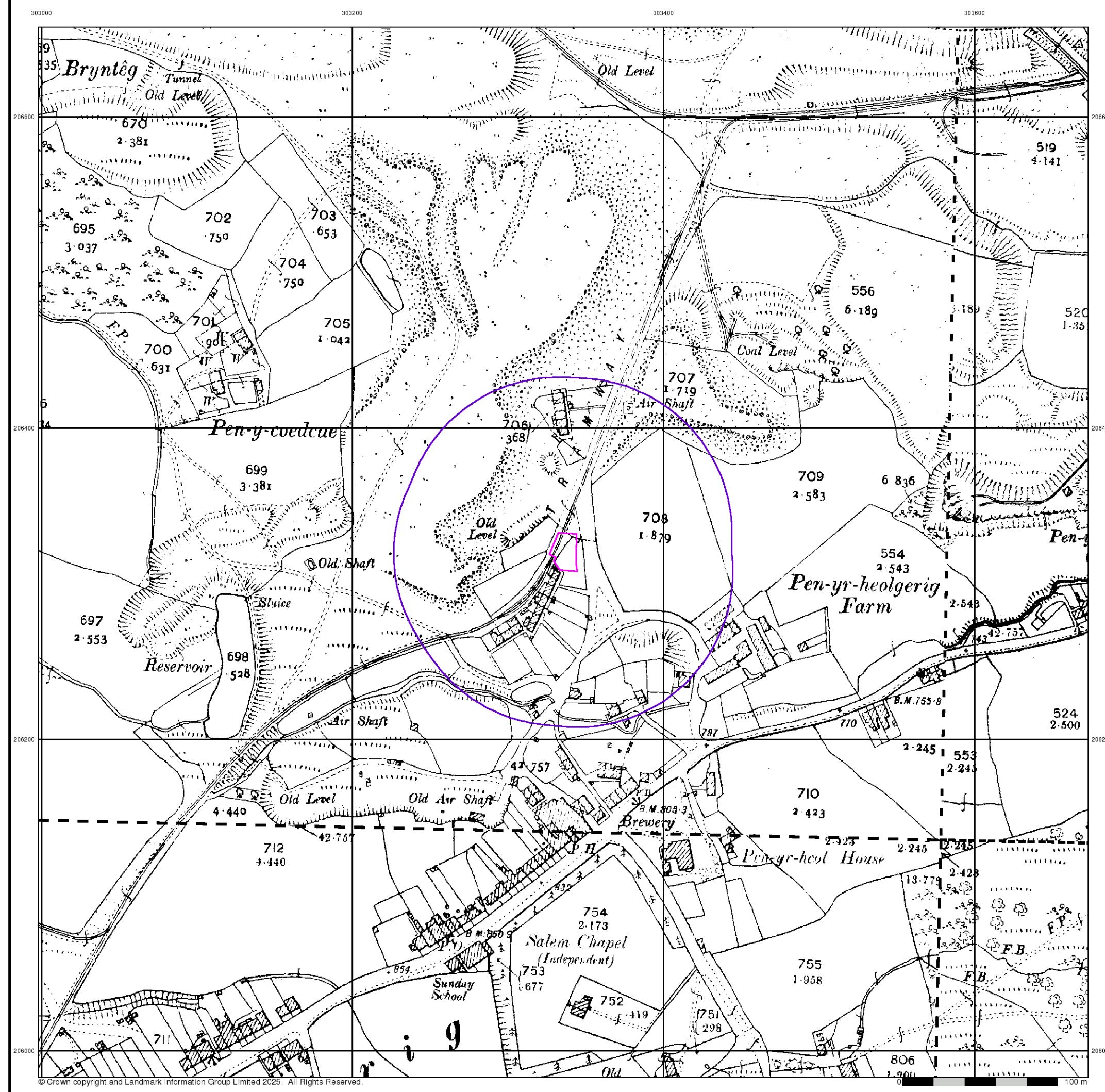


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330



Brecknockshire
Published 1904
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)

050_04 1904 1:2,500	051_01 1904 1:2,500
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Historical Map - Segment A13

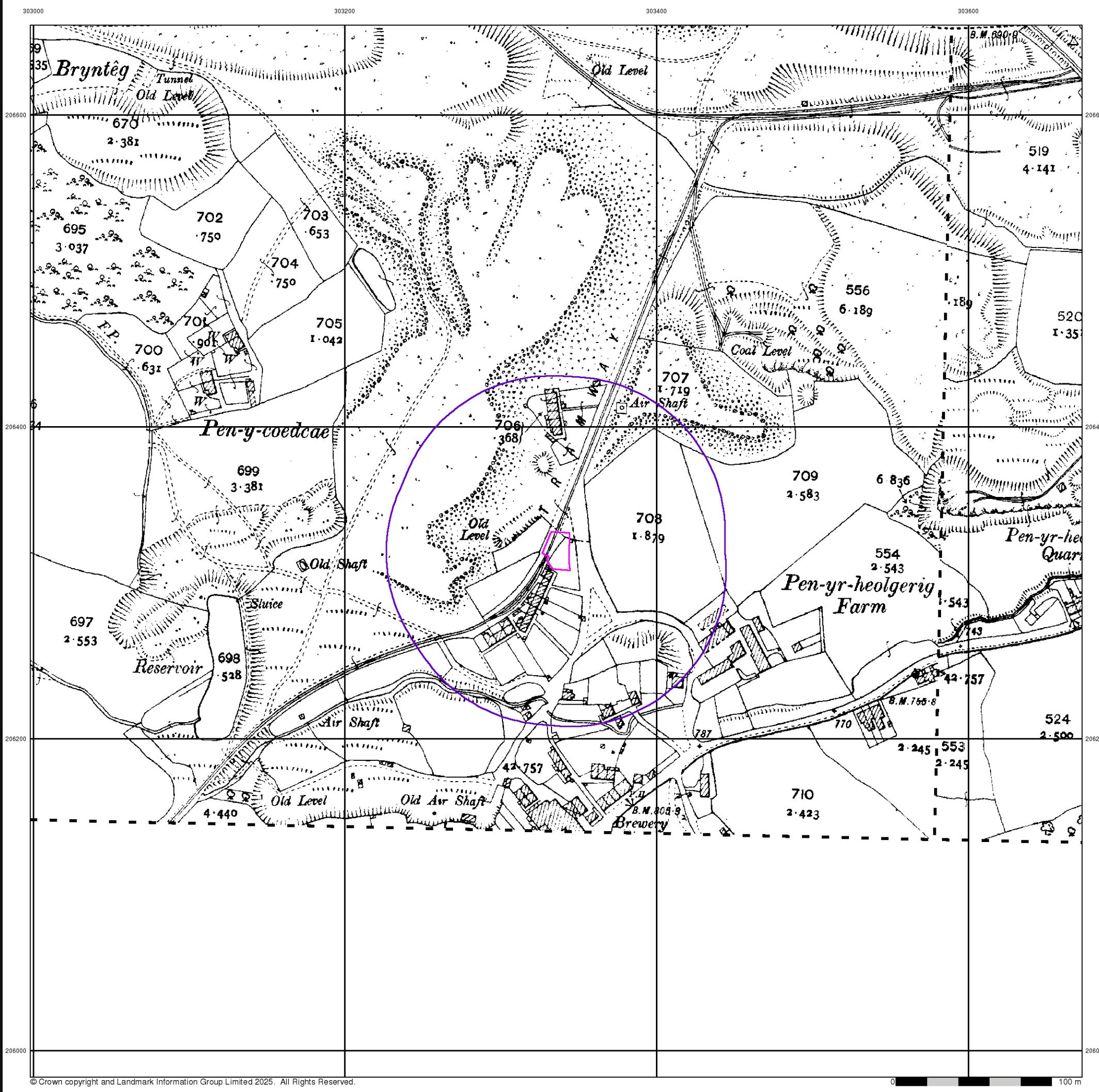
A21	A22	A23	A24	A25
SESW NW	SESW NW	SESW NW	SESW NW	SESW NW
- A16 -	- A17 -	- A18 -	- A19 -	- A20 -
SESW NW	SESW NW	SESW NW	SESW NW	SESW NW
- A11 -	- A12 -	- A13 -	- A14 -	- A15 -
SESW NW	SESW NW	SESW NW	SESW NW	SESW NW
- A6 -	- A7 -	- A8 -	- A9 -	- A10 -
SESW NW	SESW NW	SESW NW	SESW NW	SESW NW
A1	A2	A3	A4	A5


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330



Brecknockshire

Published 1919

Source map scale - 1:2,500

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

Map Name(s) and Date(s)

050_04 1919 1:2,500	051_01 1919 1:2,500
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Historical Map - Segment A13

A21	A22	A23	A24	A25
SESW NW	SESW NW	SESW NW	SESW NW	SESW NW
- A16 -	- A17 -	- A18 -	- A19 -	- A20 -
SESW NW	SESW NW	SESW NW	SESW NW	SESW NW
- A11 -	- A12 -	- A13 -	- A14 -	- A15 -
SESW NW	SESW NW	SESW NW	SESW NW	SESW NW
- A6 -	- A7 -	- A8 -	- A9 -	- A10 -
SESW NW	SESW NW	SESW NW	SESW NW	SESW NW
A1	A2	A3	A4	A5

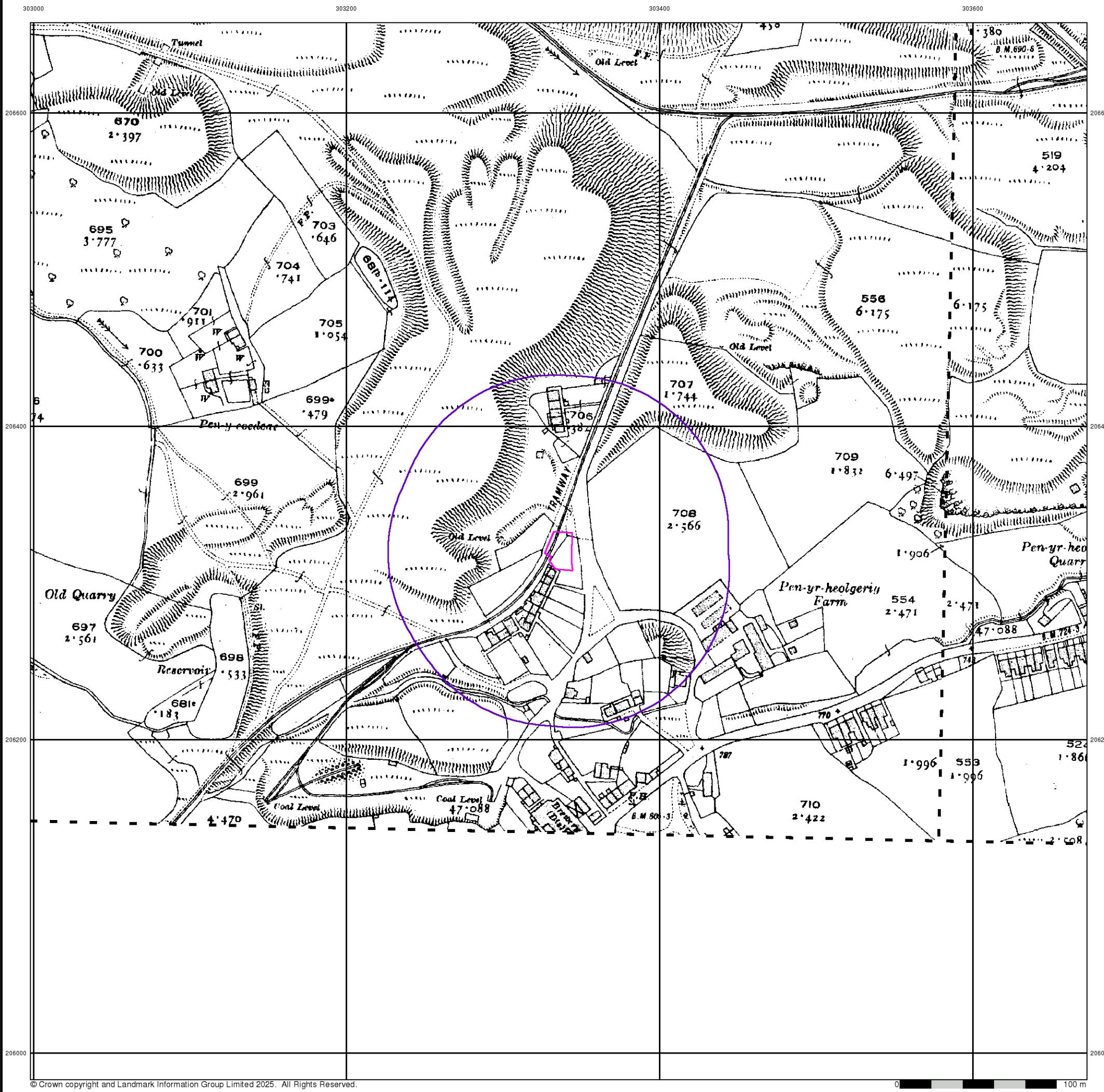


Order Details

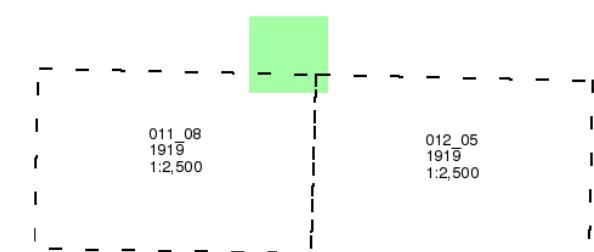
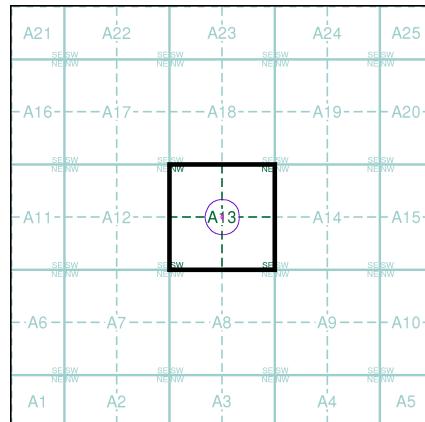
Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330



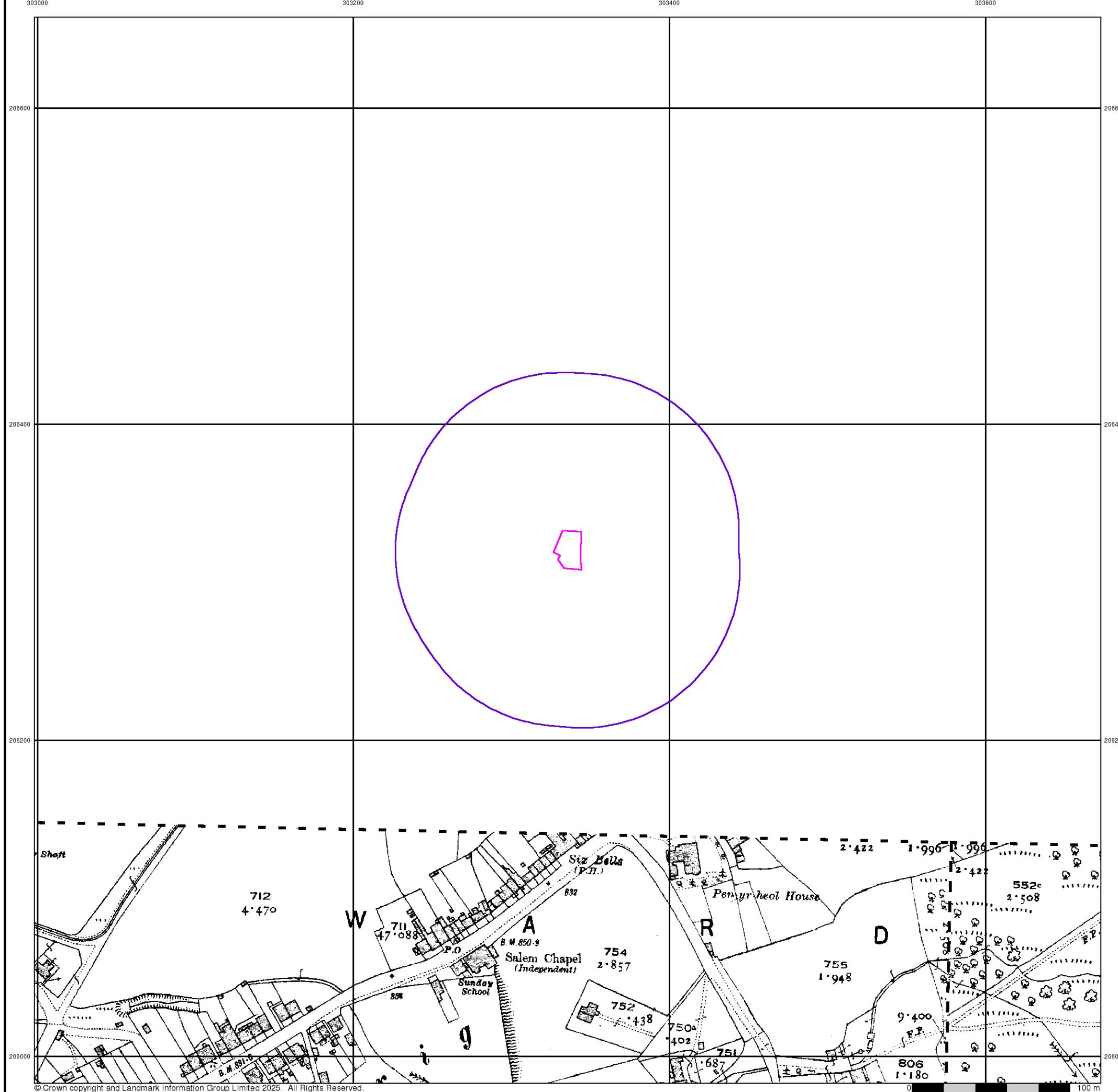
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330



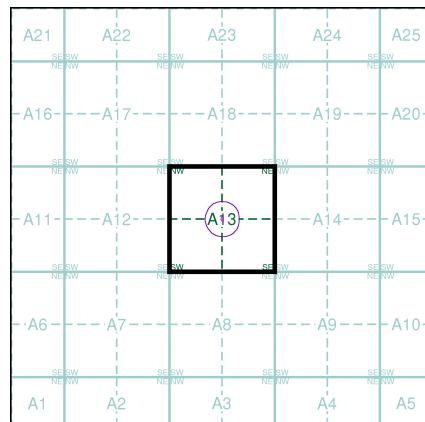
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

SO0206NE SO0306NW SO0306NE
1982 1956 1956
1:1,250 1:1,250 1:1,250

SO0206SE SO0306SW SO0306SE
1974 1975 1958
1:1,250 1:1,250 1:1,250

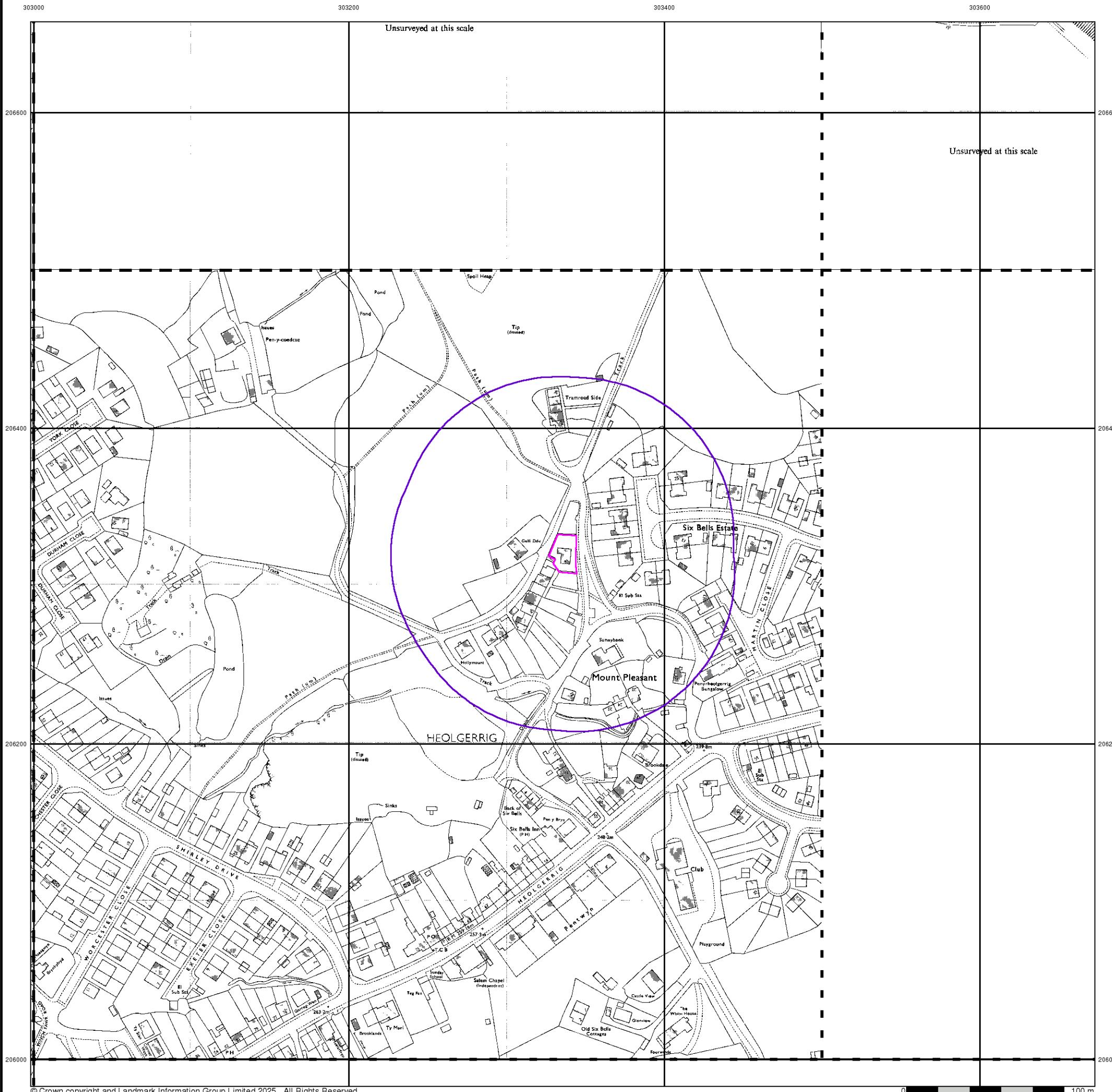
SO0205NE
1989
1:1,250

Historical Map - Segment A13

Order Details

Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 100

Site Details

Site at 303340, 206330



Ordnance Survey Plan

Published 1958 - 1964

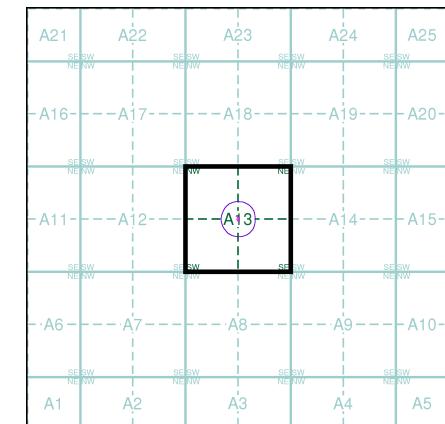
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SO0206 1964 1:2,500	SO0306 1964 1:2,500
SO0205 1958 1:2,500	SO0305 1958 1:2,500

Historical Map - Segment A13

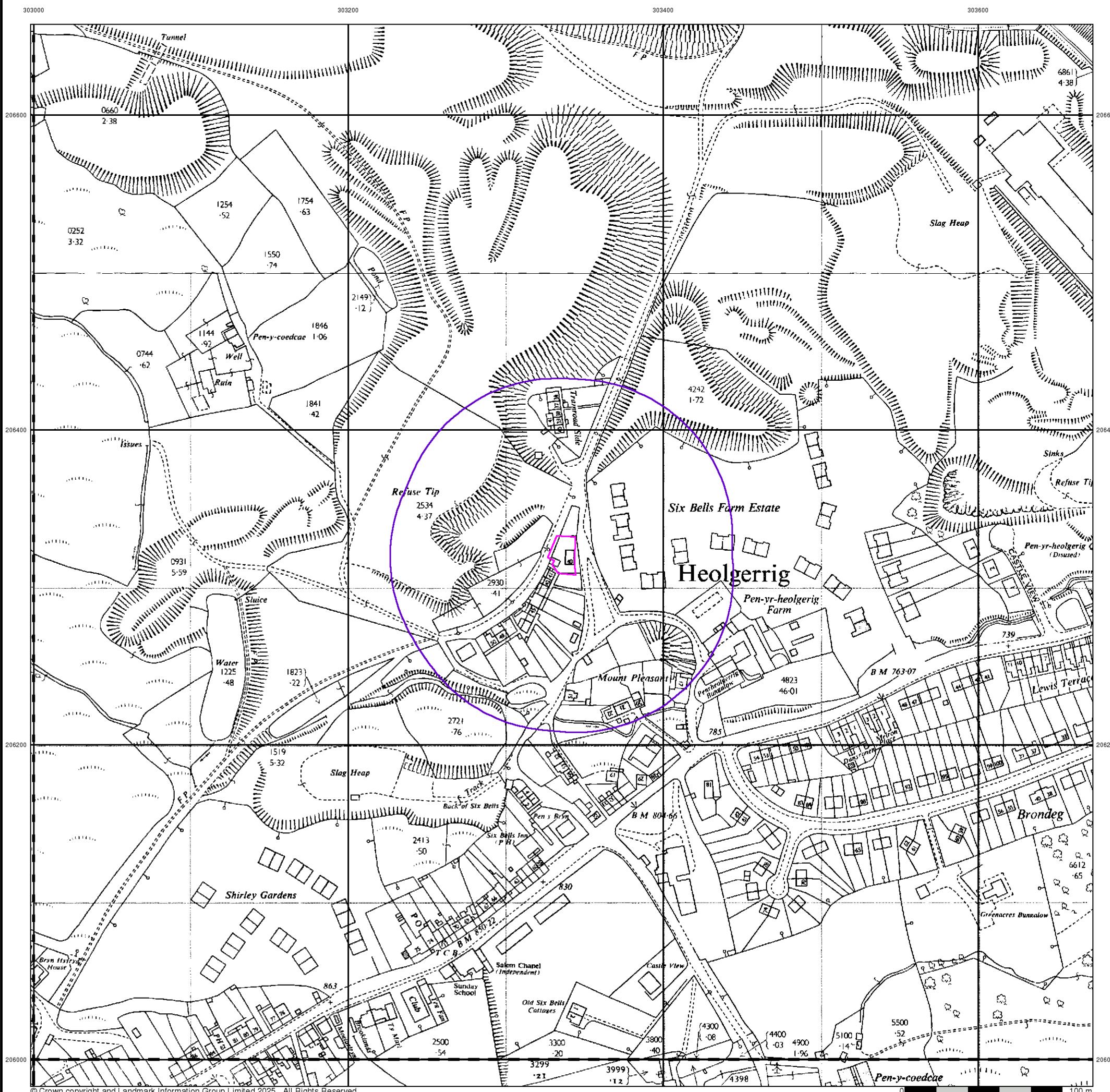


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330



Ordnance Survey Plan

Published 1975

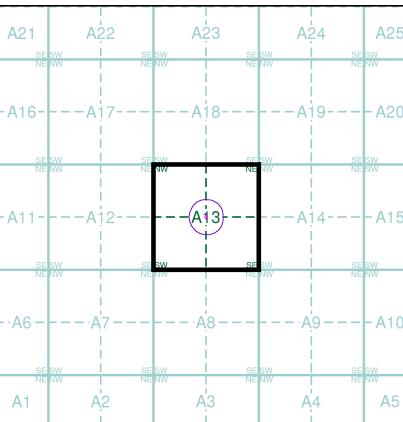
Source map scale - 1:2,500

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)

SO0205	SO0305
1975	1975
1:2,500	1:2,500

Historical Map - Segment A13

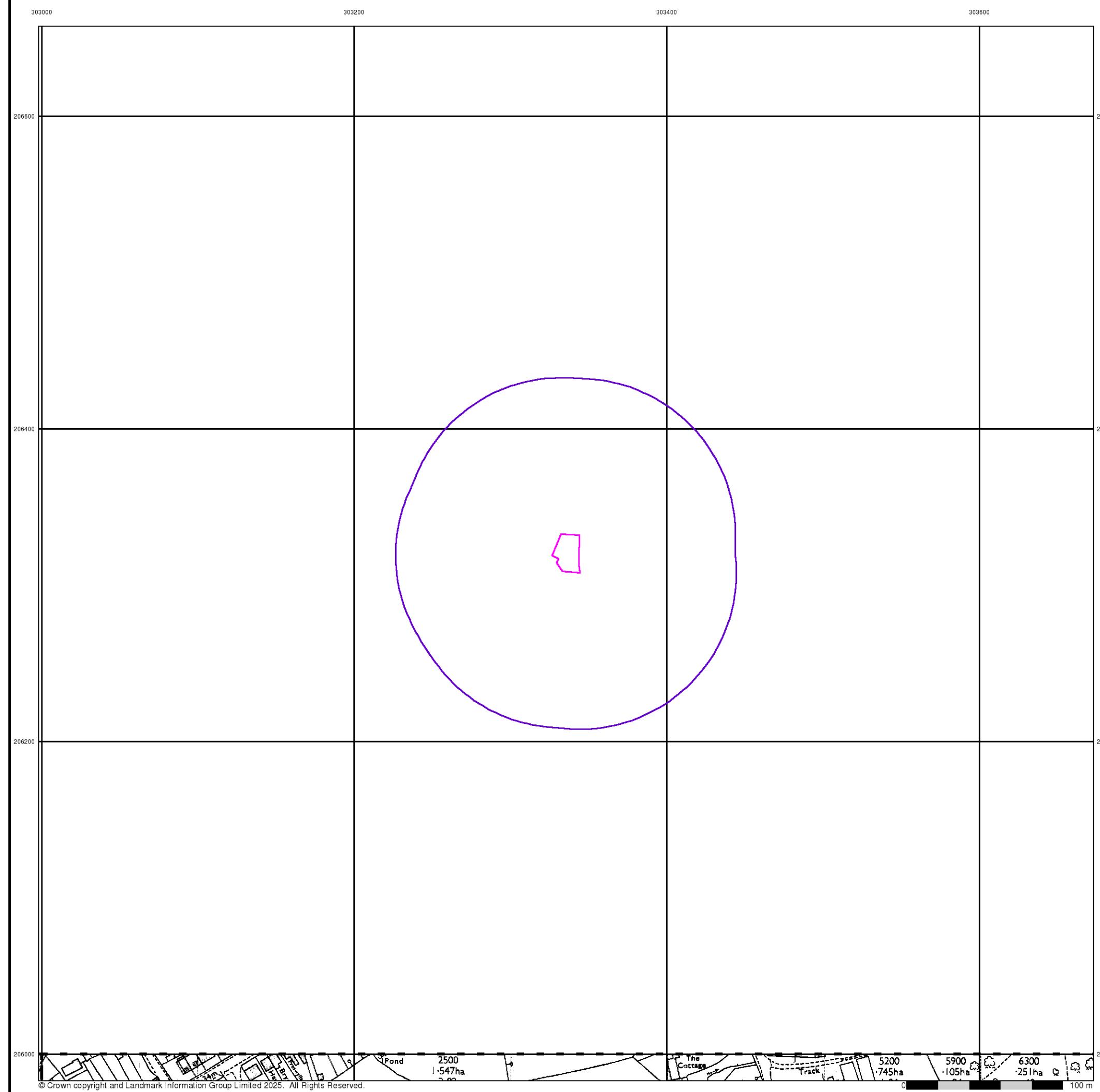


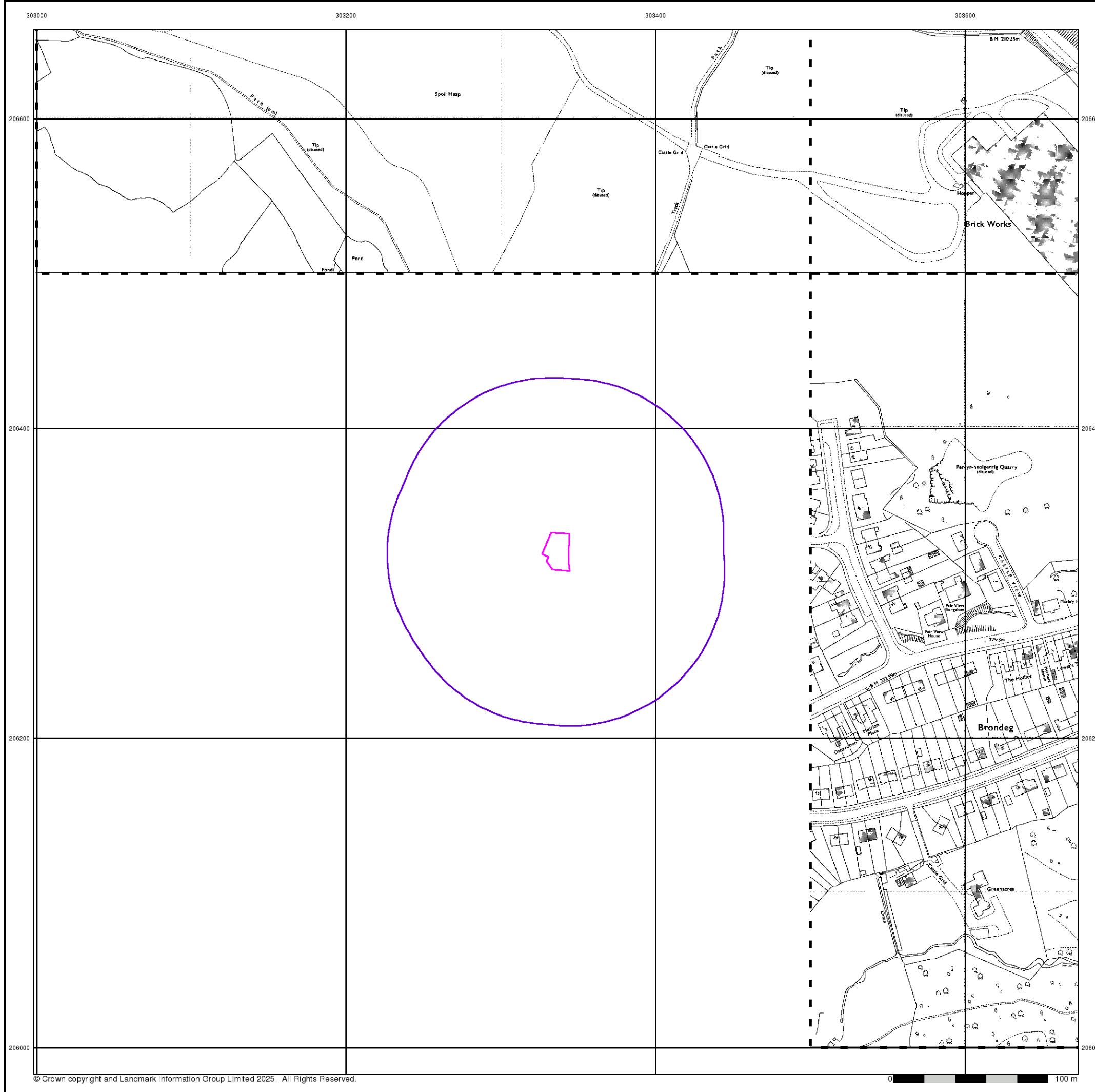
Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330





Geotechnical & Geoenvironmental Specialists

Ordnance Survey Plan

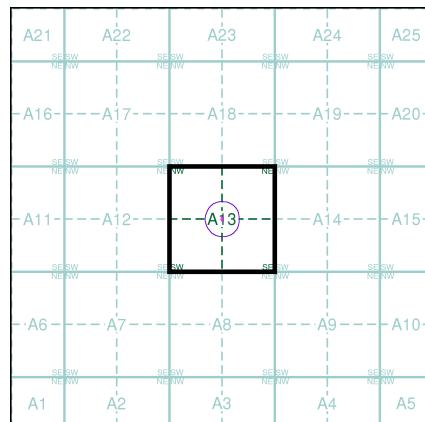
Published 1975

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

Historical Map - Segment A13



Order Details

Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 100

Site Details

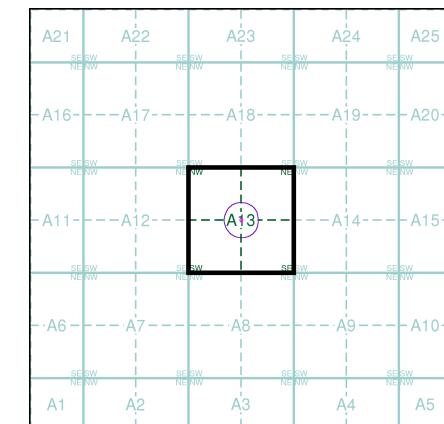
Site Details

Additional SIMs
Published 1975 - 1990
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)

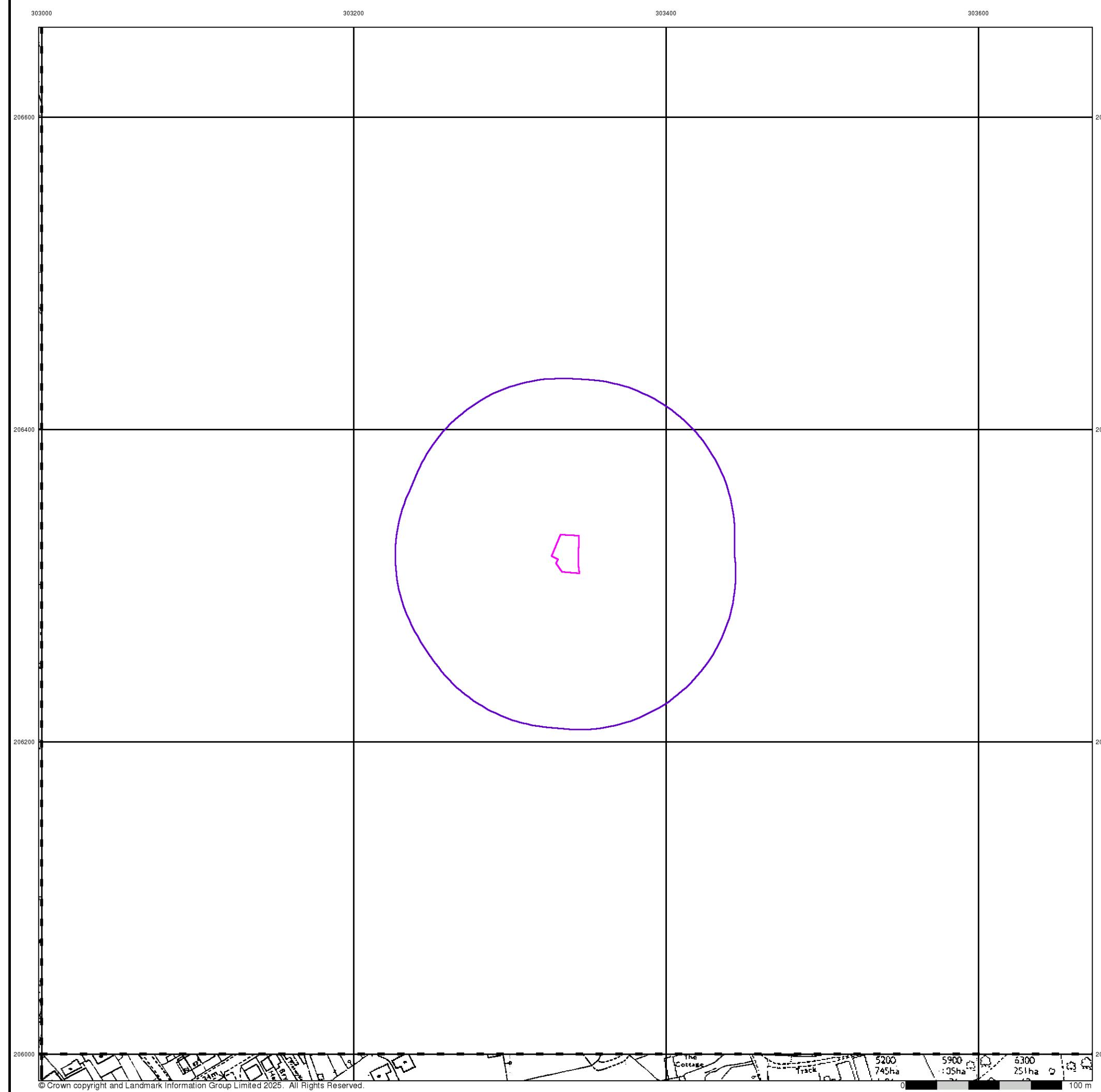
SO0206	1988	12,500
SO0205	1975	12,500
SO0305	1990	12,500

Historical Map - Segment A13

Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330



Additional SIMs
Published 1984 - 1990
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SO0306NE 1984 1:1,250	SO0306SW 1990 1:1,250	SO0306SE 1990 1:1,250
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Historical Map - Segment A13

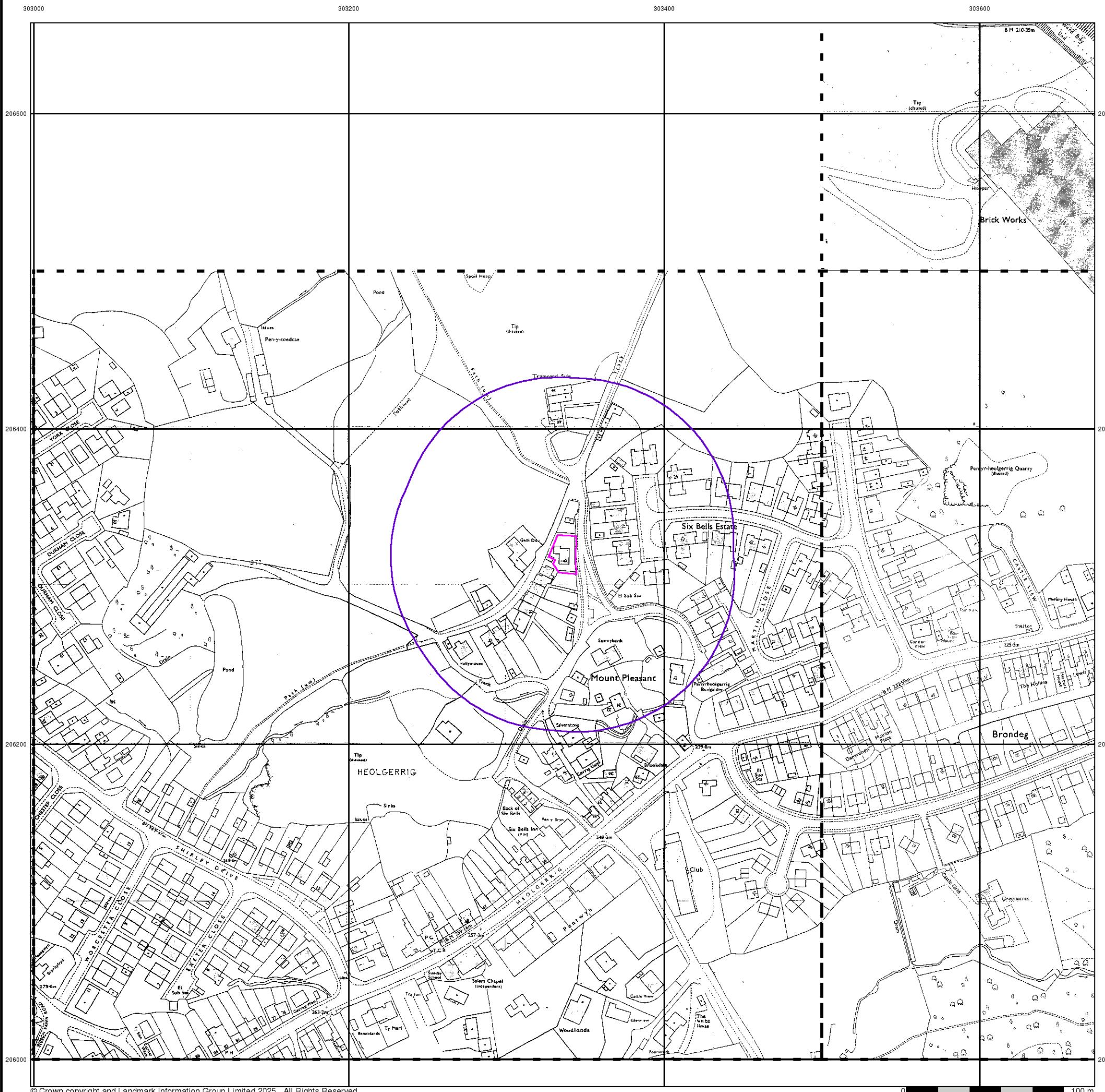
A21	A22	A23	A24	A25
SESW NEW	SESW NEW	SESW NEW	SESW NEW	SESW NEW
- A16 -	- A17 -	- A18 -	- A19 -	- A20 -
SESW NEW	SESW NEW	SESW NEW	SESW NEW	SESW NEW
- A11 -	- A12 -	- A13 -	- A14 -	- A15 -
SESW NEW	SESW NEW	SESW NEW	SESW NEW	SESW NEW
- A6 -	- A7 -	- A8 -	- A9 -	- A10 -
SESW NEW	SESW NEW	SESW NEW	SESW NEW	SESW NEW
A1	A2	A3	A4	A5


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 100

Site Details

Site at 303340, 206330





Geotechnical & Geoenvironmental Specialists

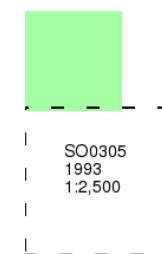
Large-Scale National Grid Data

Published 1993

Source map scale - 1:2,500

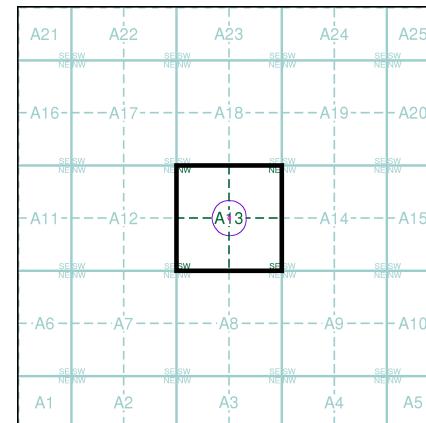
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)



SO0305
1993
1:2,500

Historical Map - Segment A13

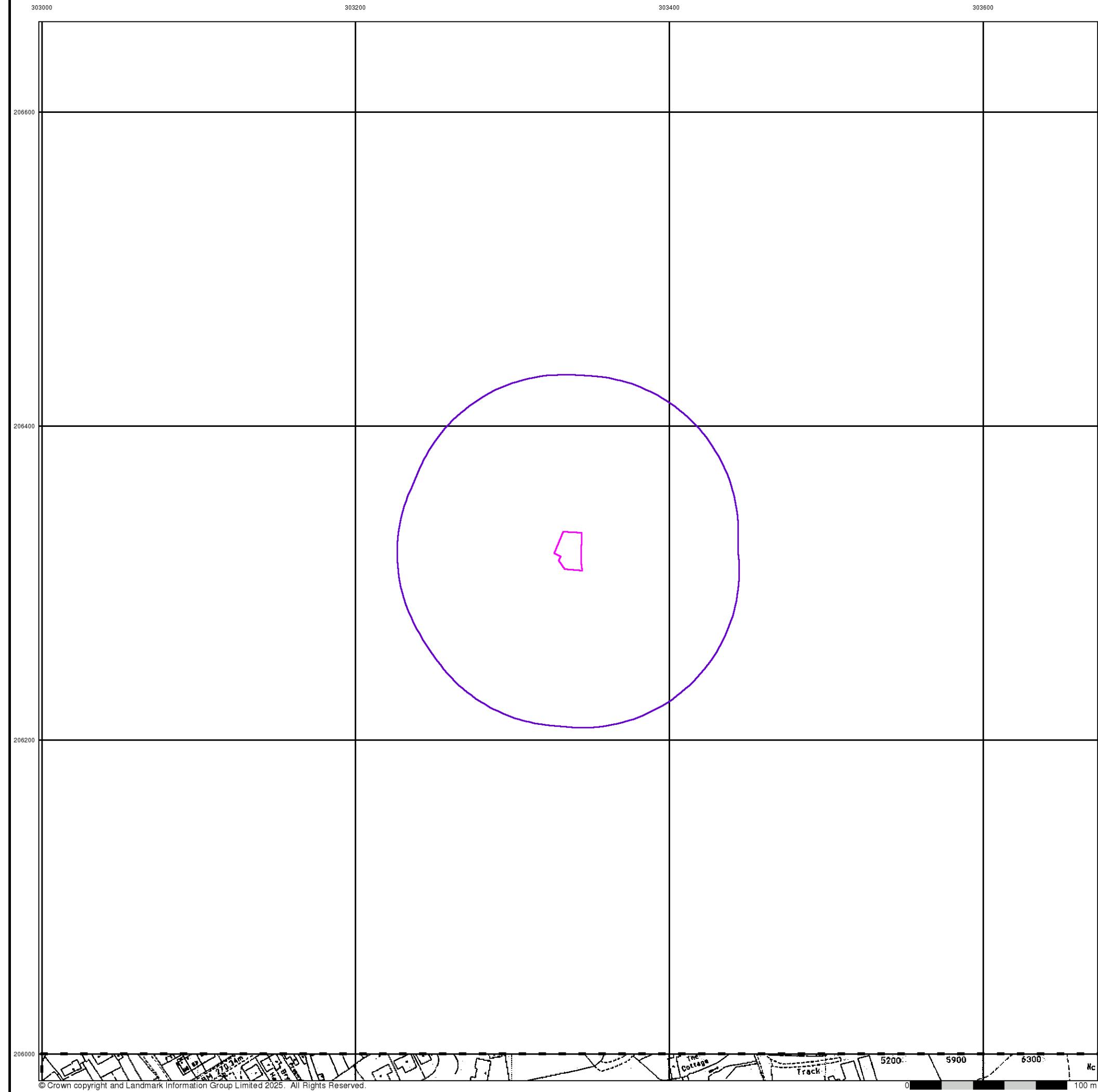


Order Details

Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 100

Site Details

Site at 303340, 206330





Geotechnical & Geoenvironmental Specialists

Large-Scale National Grid Data

Published 1993

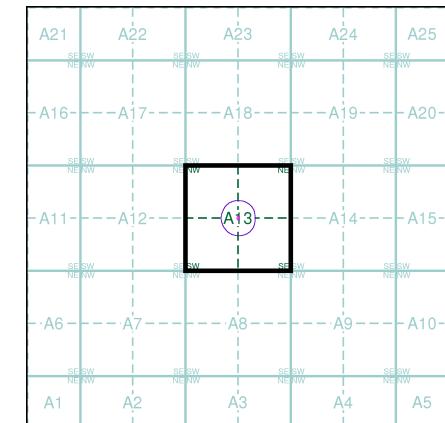
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SO0206NE	SO0306NW	SO0306NE
1993	1993	1993
1:1,250	1:1,250	1:1,250
SO0206SE	SO0306SW	SO0306SE
1993	1993	1993
1:1,250	1:1,250	1:1,250
SO0205NE		
1993		
1:1,250		

Historical Map - Segment A13

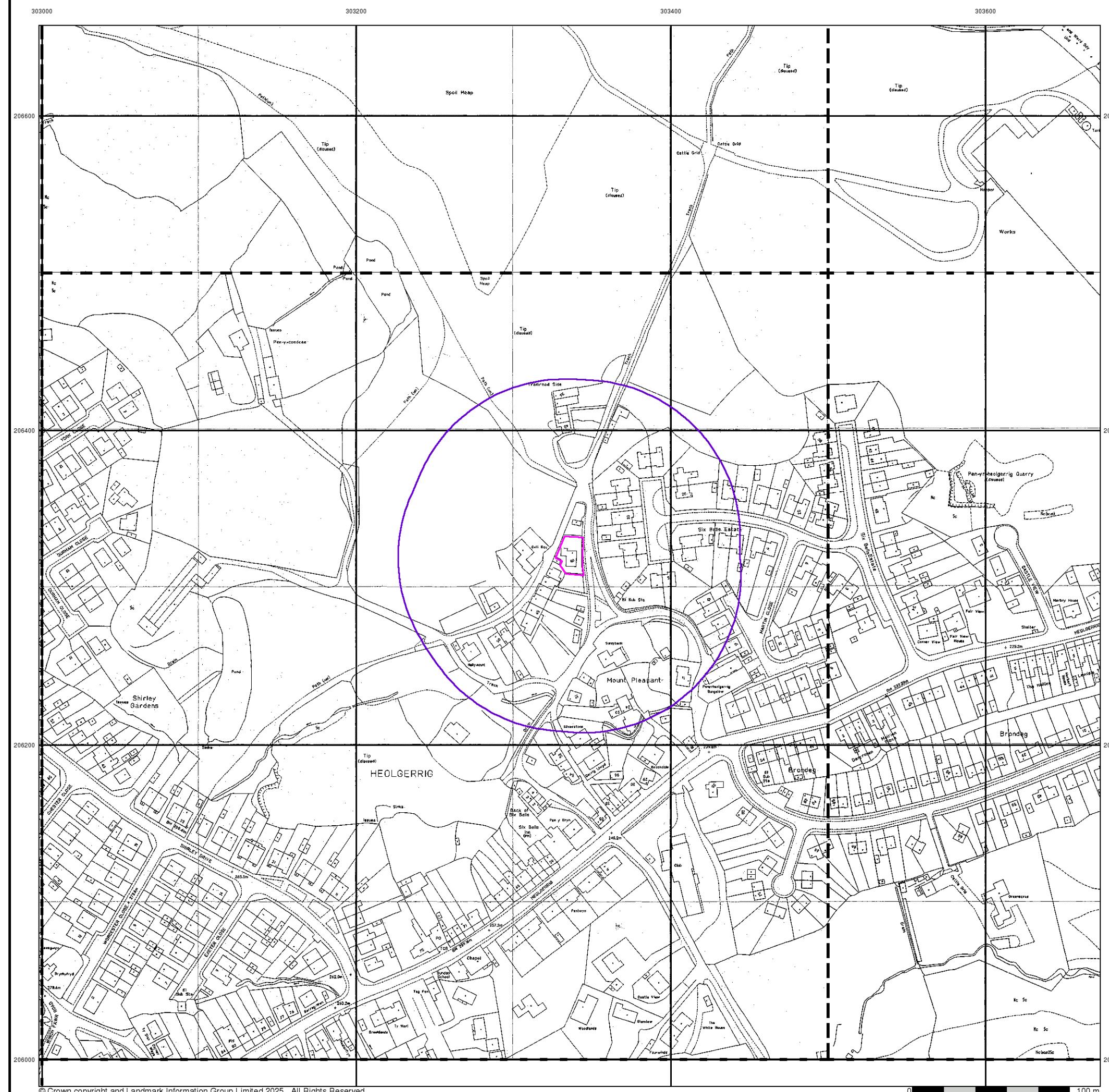


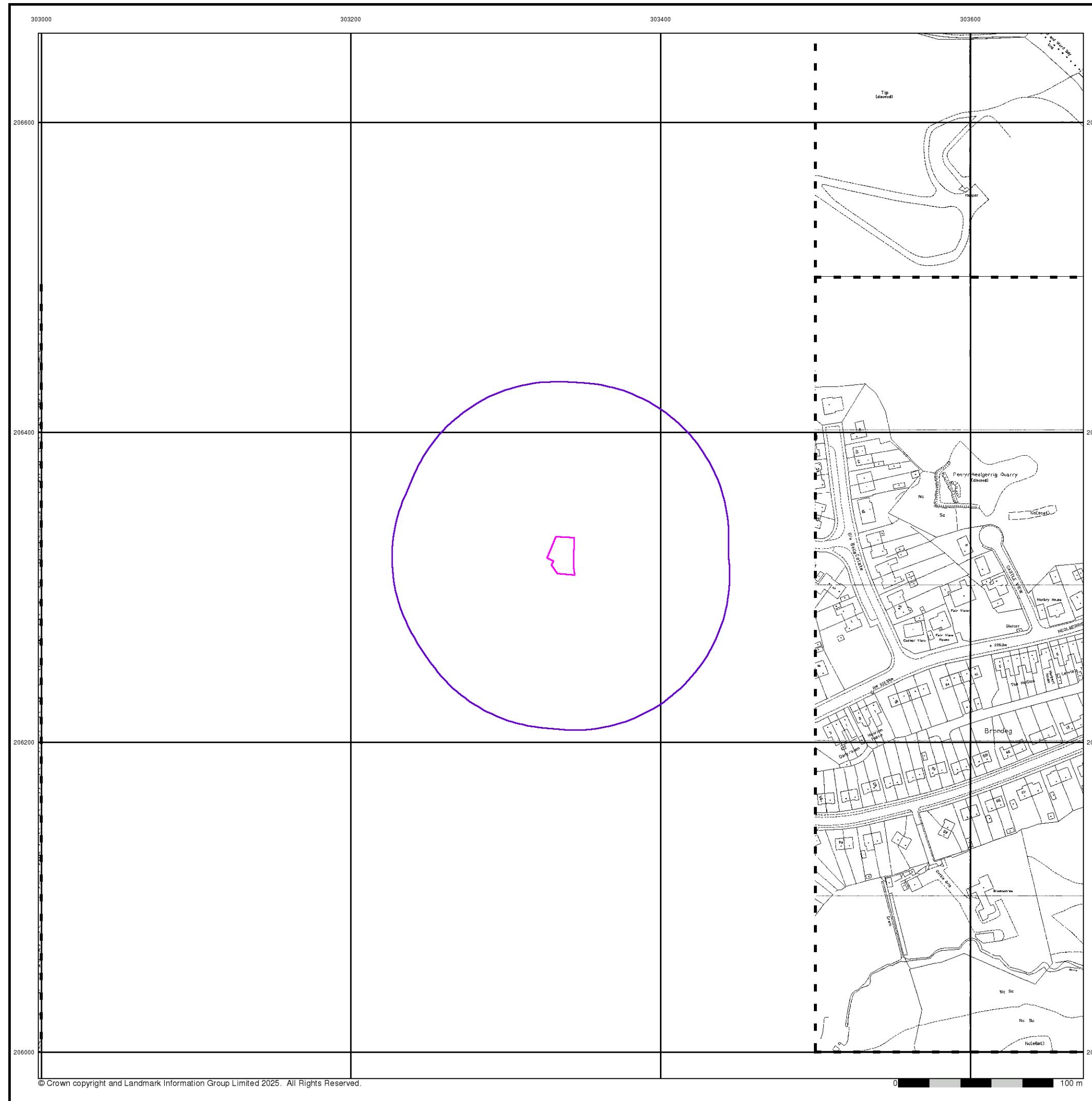
Order Details

Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 100

Site Details

Site at 303340, 206330





Large-Scale National Grid Data

Published 1994 - 1995

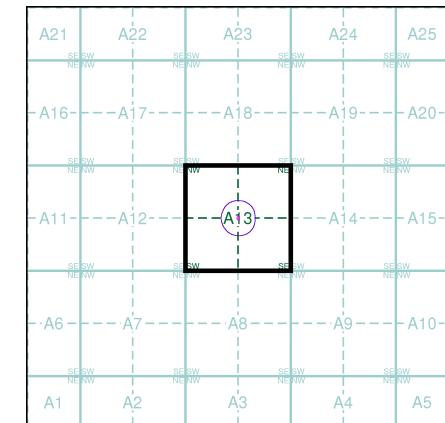
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SO0306NE 1995 1:1,250
SO0206SE 1994 1:1,250
SO0306SE 1995 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 100

Site Details

Site at 303340, 206330

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



© Copyright Getmapping plc

0 100 m

Historical Aerial Photography - Segment A13

A21	A22	A23	A24	A25
SE SW NE NW				
A16	A17	A18	A19	A20
SE SW NE NW				
A11	A12	A13	A14	A15
SE SW NE NW				
A6	A7	A8	A9	A10
SE SW NE NW				
A1	A2	A3	A4	A5



Order Details

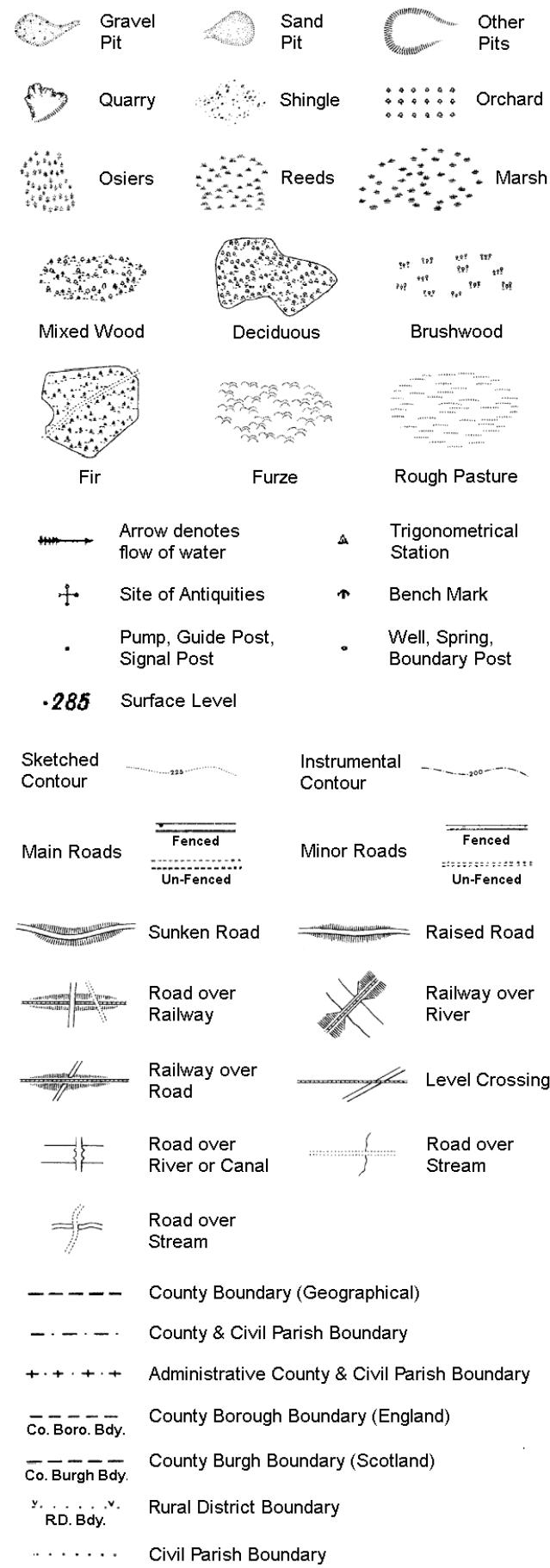
Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 100

Site Details

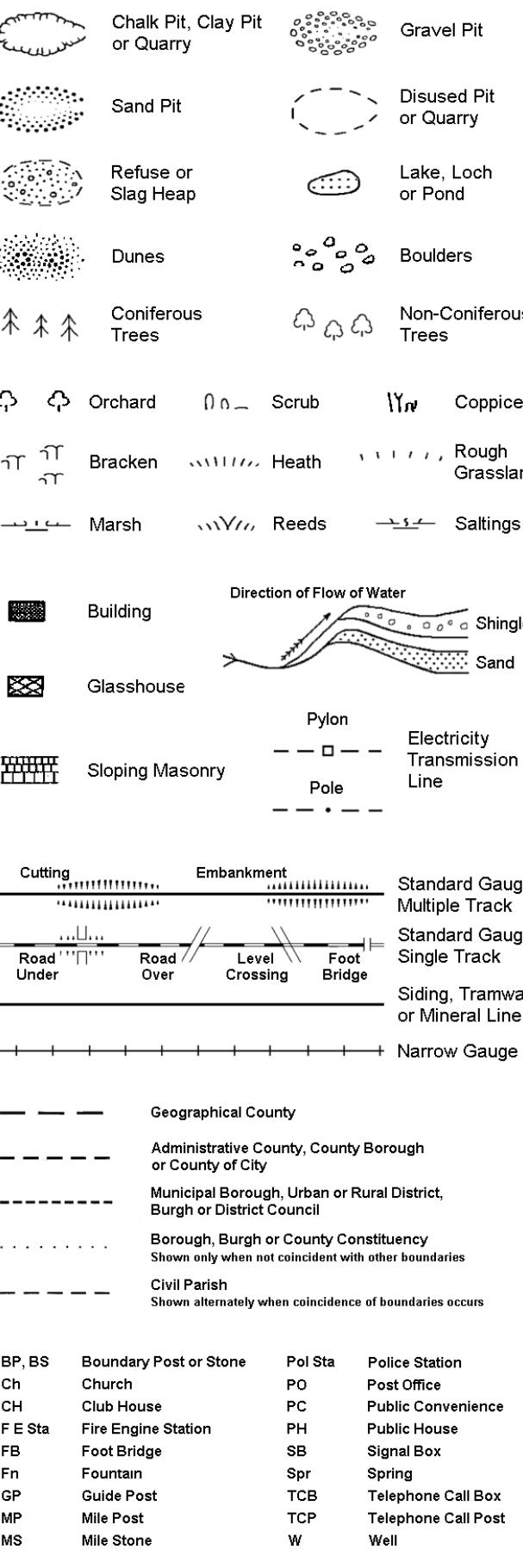
Site at 303340, 206330

Historical Mapping Legends

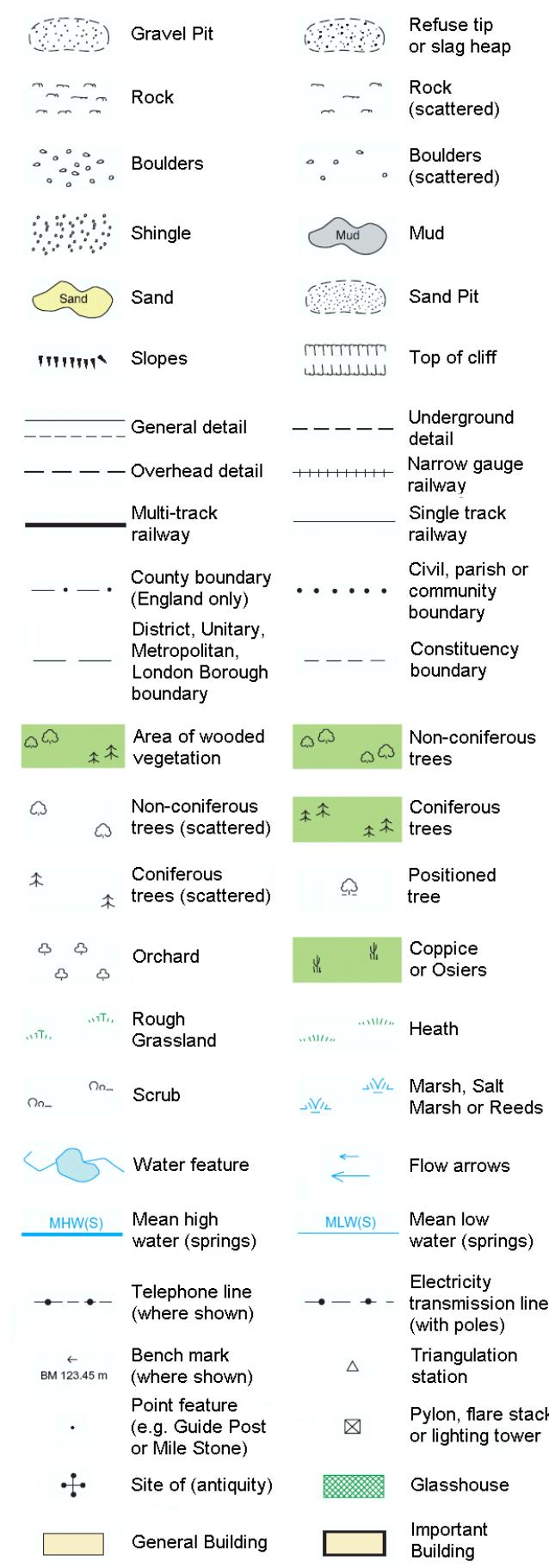
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



1:10,000 Raster Mapping

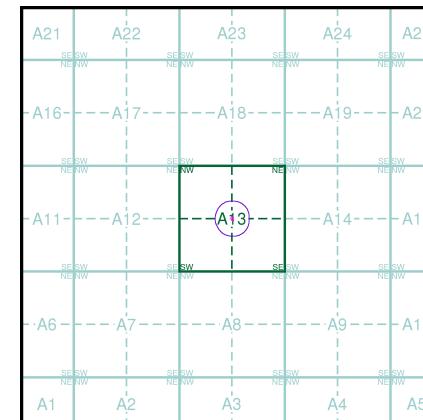


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Brecknockshire	1:10,560	1884	2
Glamorganshire	1:10,560	1885	3
Glamorganshire	1:10,560	1901	4
Brecknockshire	1:10,560	1905	5
Brecknockshire	1:10,560	1921 - 1922	6
Brecknockshire	1:10,560	1938 - 1951	7
Historical Aerial Photography	1:10,560	1945	8
Brecknockshire	1:10,560	1951	9
Ordnance Survey Plan	1:10,000	1964 - 1965	10
Ordnance Survey Plan	1:10,000	1969	11
Ordnance Survey Plan	1:10,000	1979	12
Ordnance Survey Plan	1:10,000	1982	13
Ordnance Survey Plan	1:10,000	1990 - 1992	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2025	17

Historical Map - Slice A



Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330

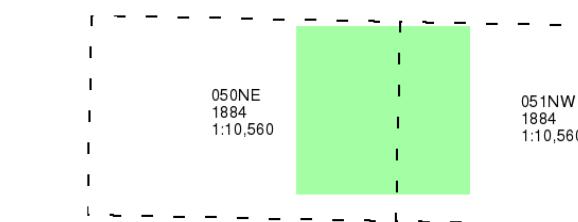
Brecknockshire

Published 1884

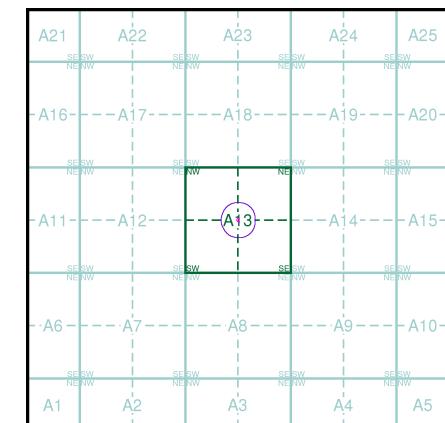
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

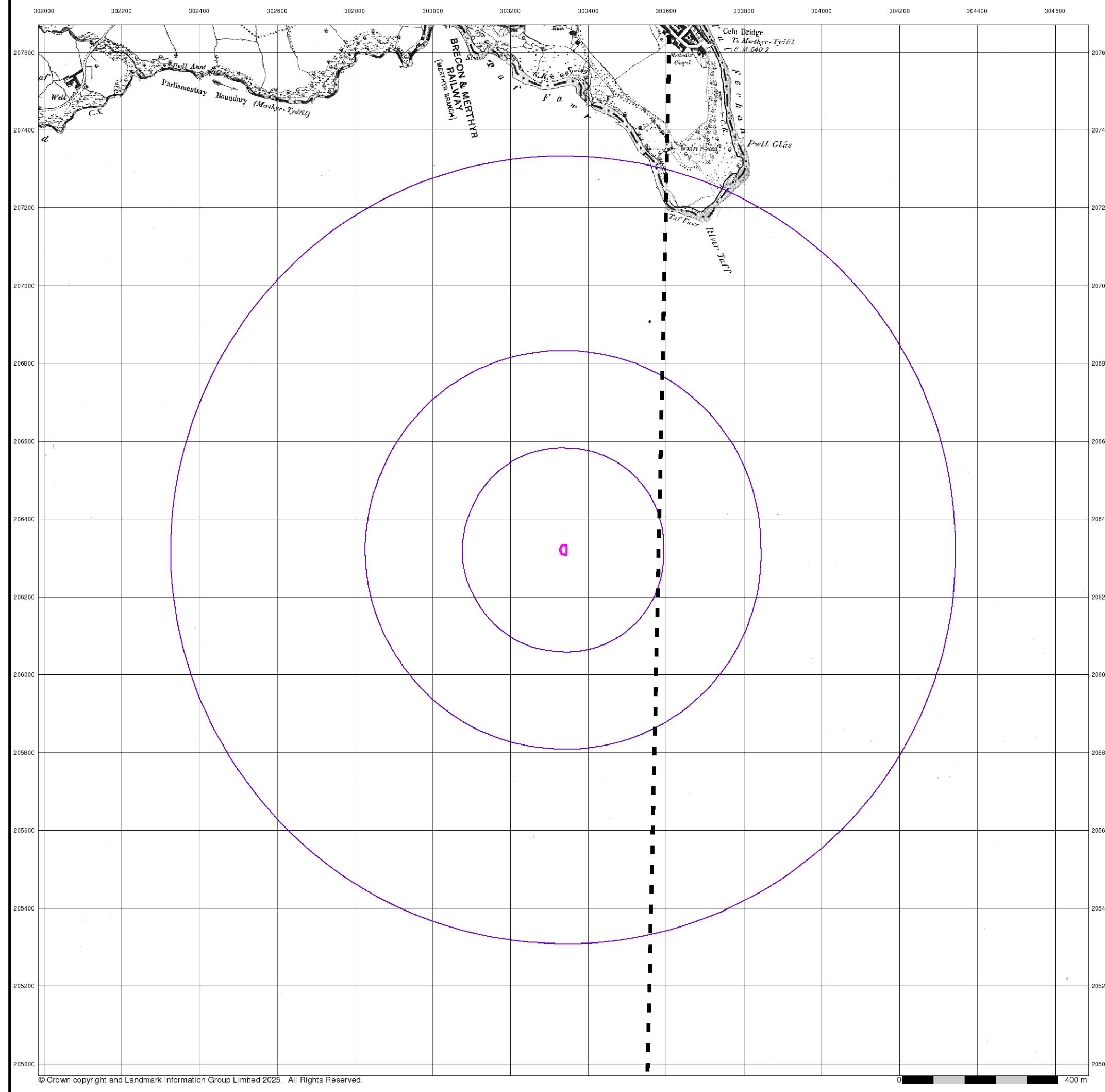


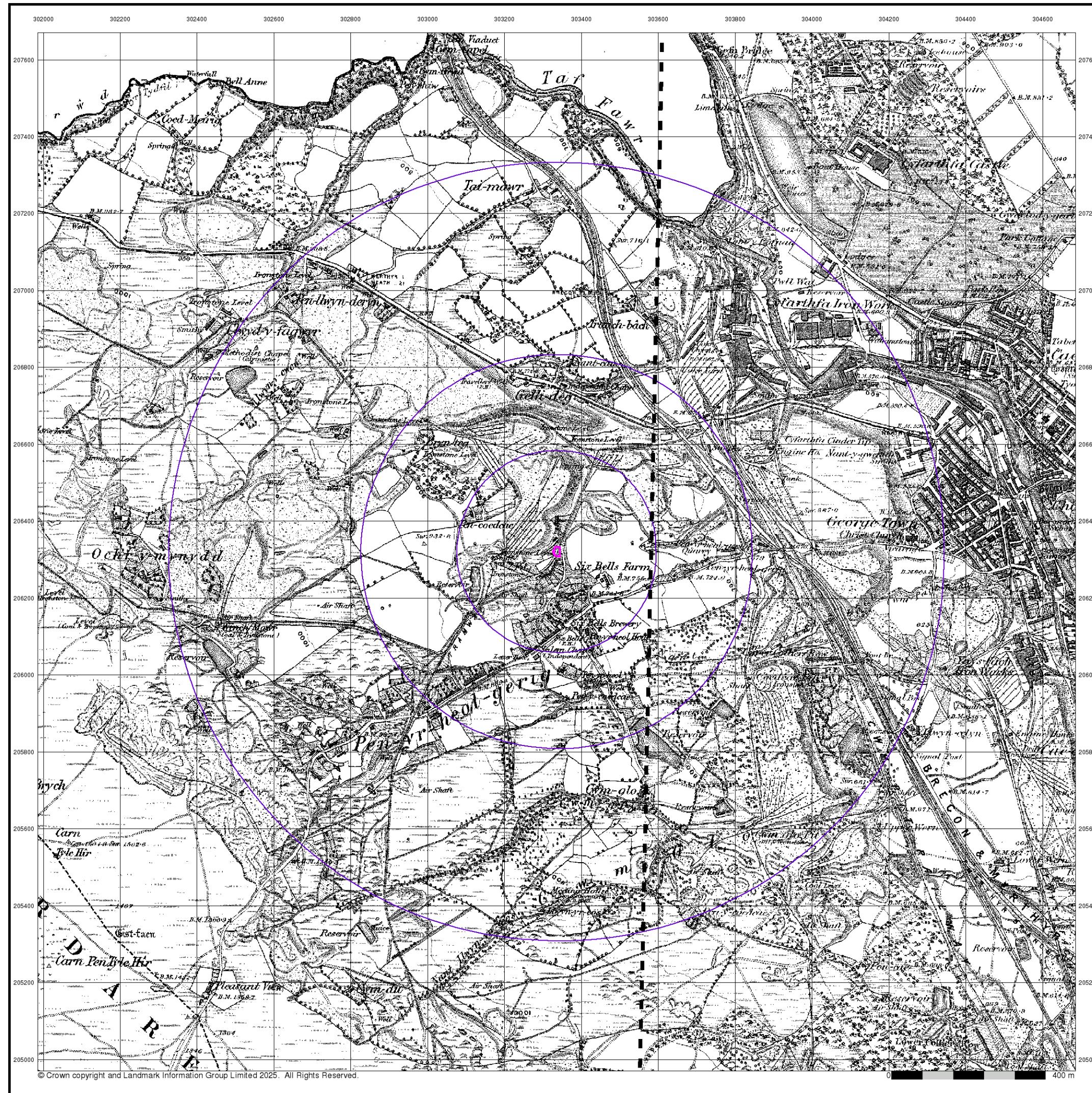
Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330





Glamorganshire

Published 1885

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)

01100 1885 1:10,560	01200 1885 1:10,560

Historical Map - Slice A

A21	A22	A23	A24	A25
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
-A16	-A17	-A18	-A19	-A20-
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
-A11	-A12	-A13	-A14	-A15-
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
-A6	-A7	-A8	-A9	-A10-
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
A1	A2	A3	A4	A5



Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330

Glamorganshire

Published 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)

011NE 1901 1:10,560	012NW 1901 1:10,560
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Historical Map - Slice A

A21	A22	A23	A24	A25
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A16	-A17	-A18	-A19	-A20
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A11	-A12	-A13	-A14	-A15
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A6	-A7	-A8	-A9	-A10
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
A1	A2	A3	A4	A5

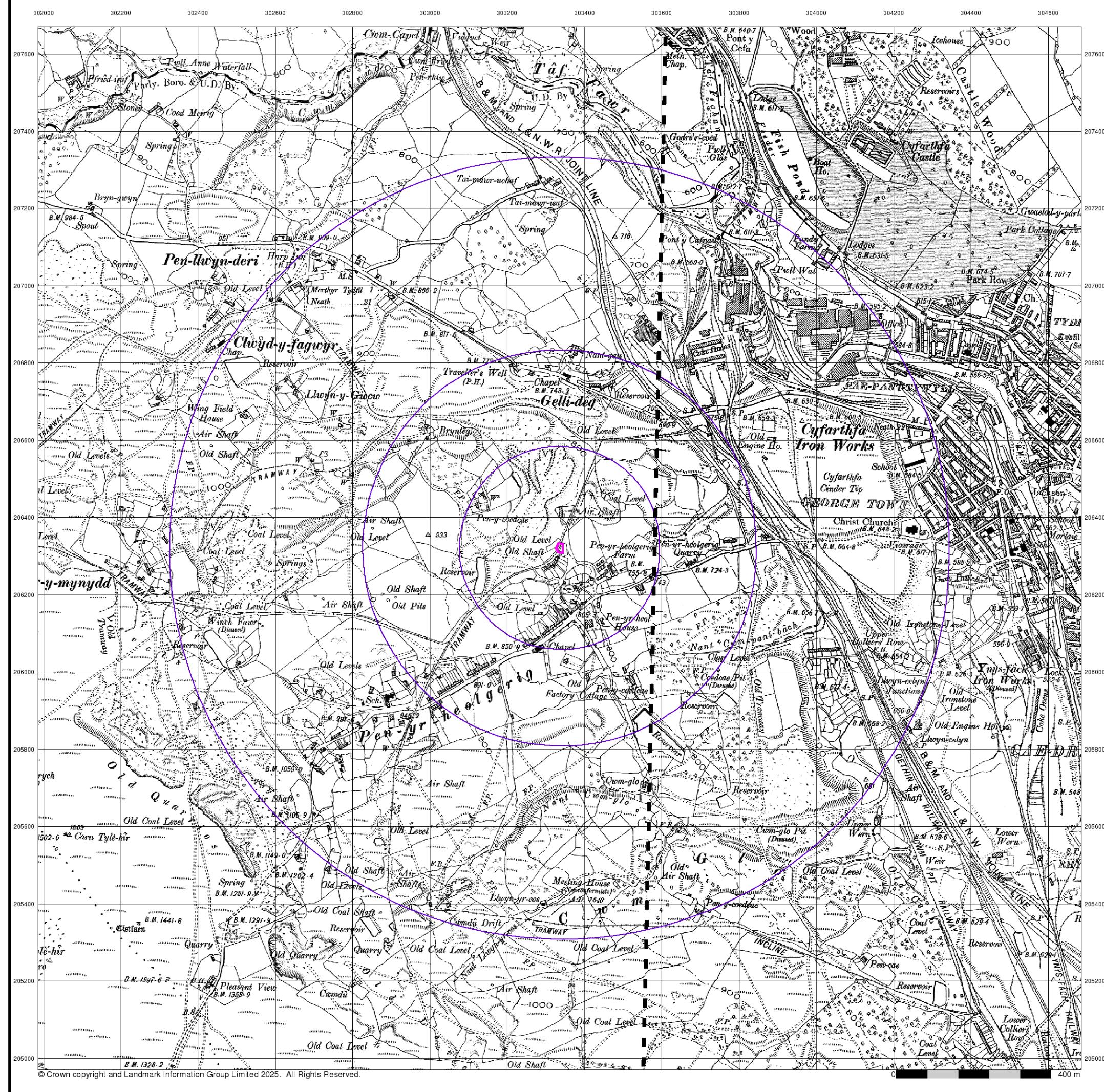


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330



Brecknockshire
Published 1905
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)

050NE 1905 1:10,560	051NW 1905 1:10,560
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Historical Map - Slice A

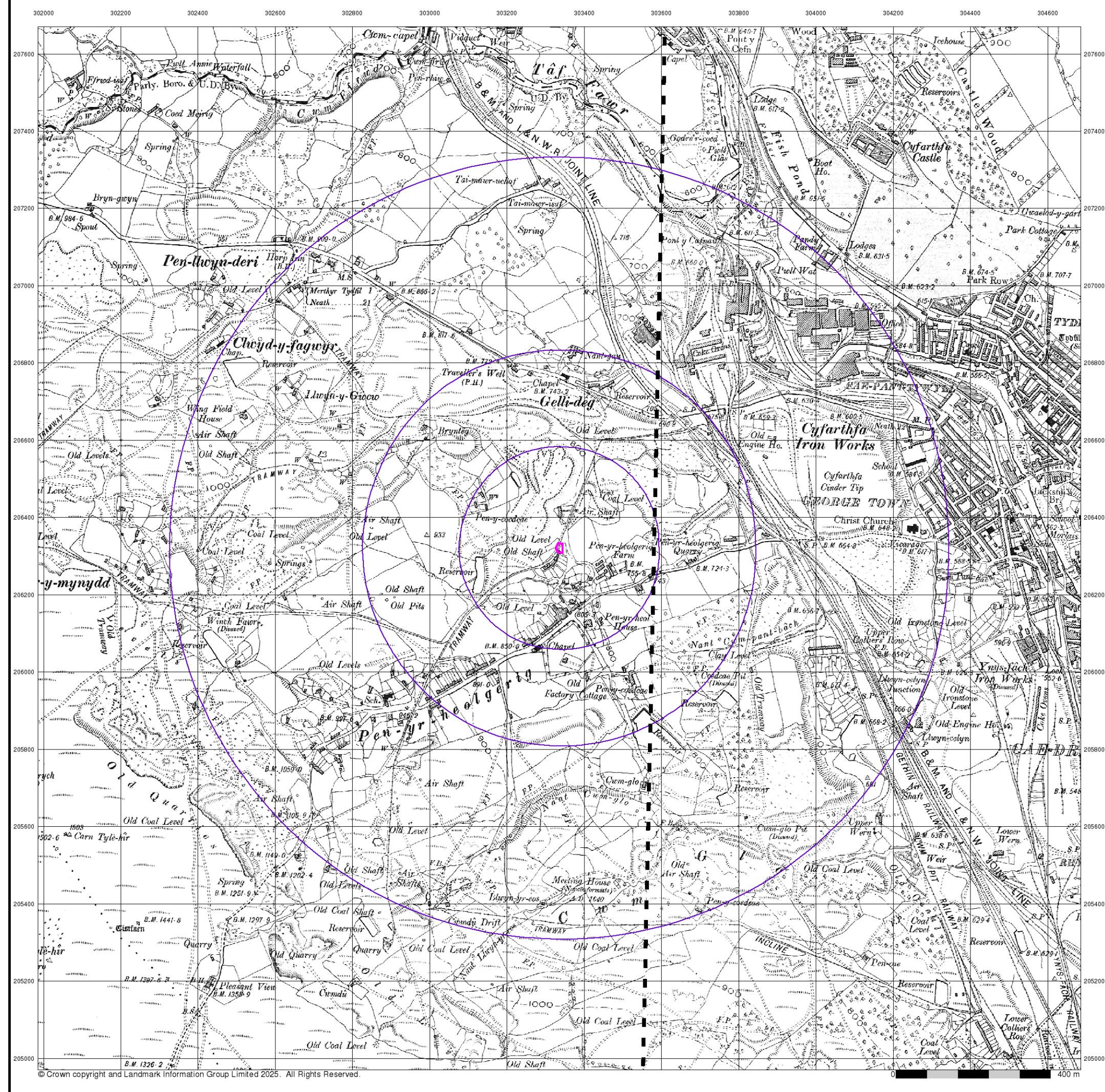
A21	A22	A23	A24	A25
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
-A16	-A17	-A18	-A19	-A20
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
-A11	-A12	-A13	-A14	-A15
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
-A6	-A7	-A8	-A9	-A10
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
A1	A2	A3	A4	A5


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330



Brecknockshire
Published 1921 - 1922
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

050NE 1921 1:10,560	051NW 1922 1:10,560
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Historical Map - Slice A

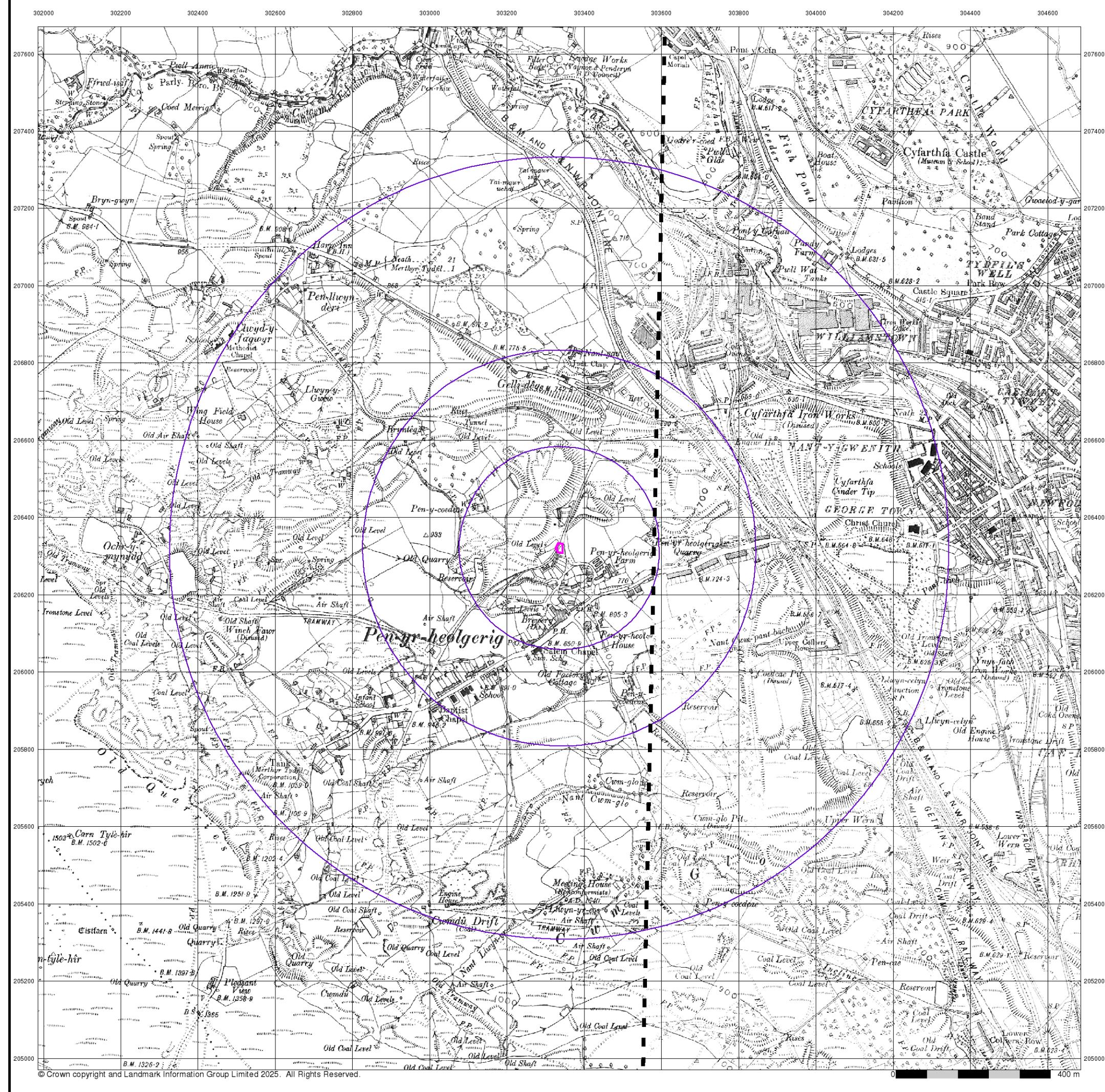
A21	A22	A23	A24	A25
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A16	-A17	-A18	-A19	-A20-
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A11	-A12	-A13	-A14	-A15-
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A6	-A7	-A8	-A9	-A10-
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
A1	A2	A3	A4	A5


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330



Brecknockshire

Published 1938 - 1951

Source map scale - 1:10,560

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

Map Name(s) and Date(s)

050NE 1951 1:10,560	051NW 1938 1:10,560
---------------------------	---------------------------

Historical Map - Slice A

A21	A22	A23	A24	A25
SE SW				
- A16 -	- A17 -	- A18 -	- A19 -	- A20 -
SE SW				
- A11 -	- A12 -	- A13 -	- A14 -	- A15 -
SE SW				
- A6 -	- A7 -	- A8 -	- A9 -	- A10 -
SE SW				
A1	A2	A3	A4	A5

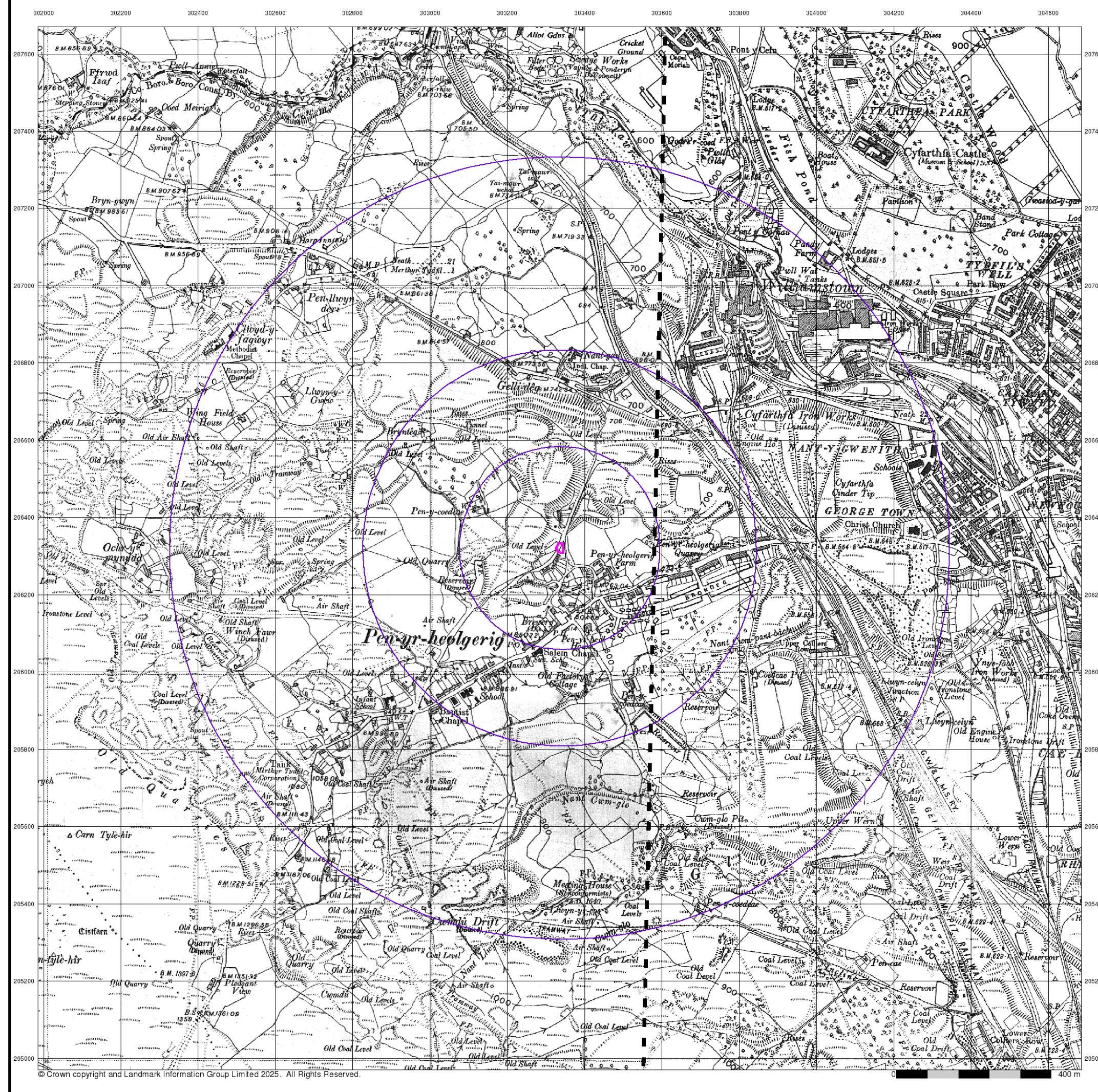


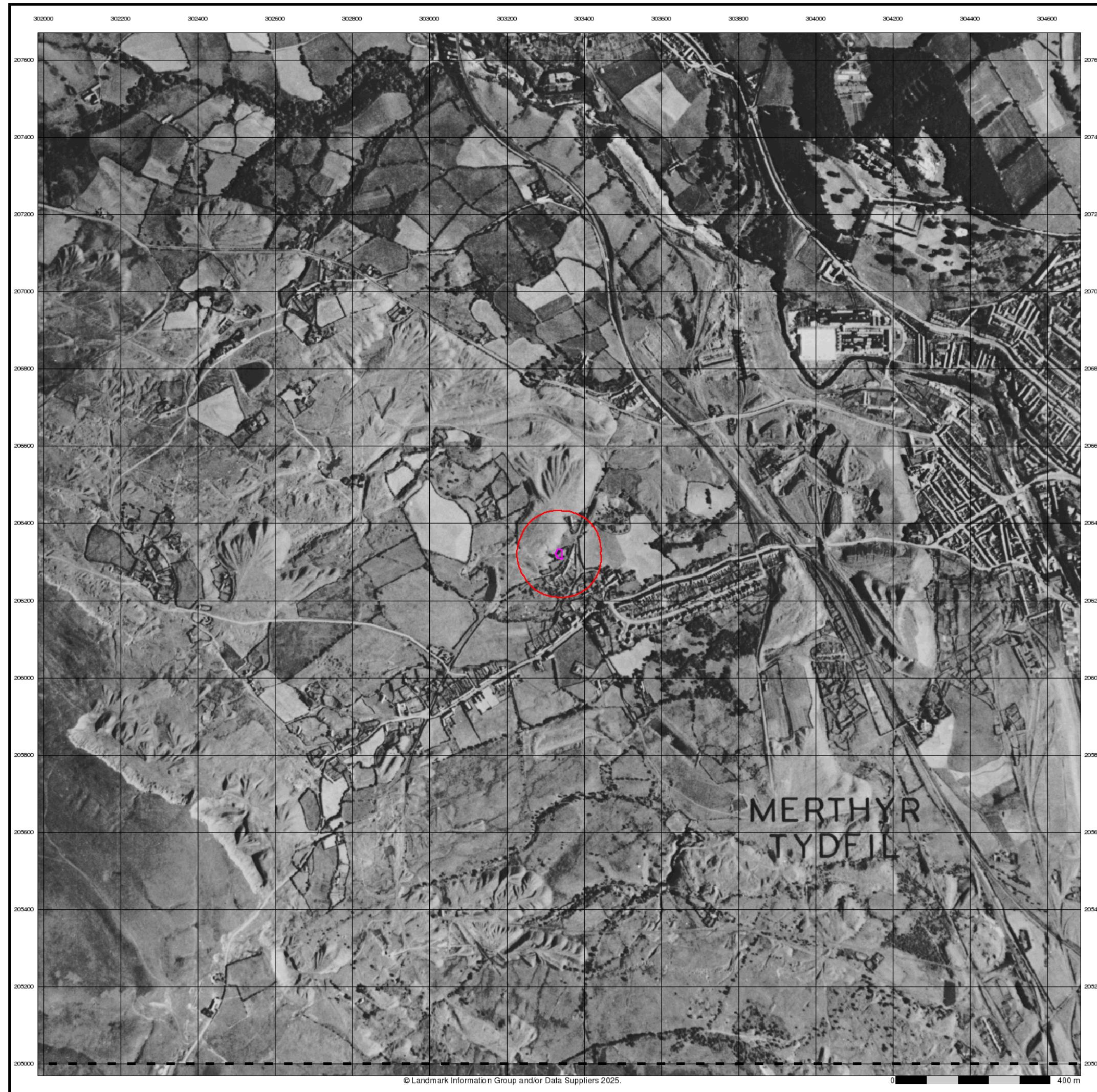
Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330





Historical Aerial Photography

Published 1945

Source map scale - 1:10,560

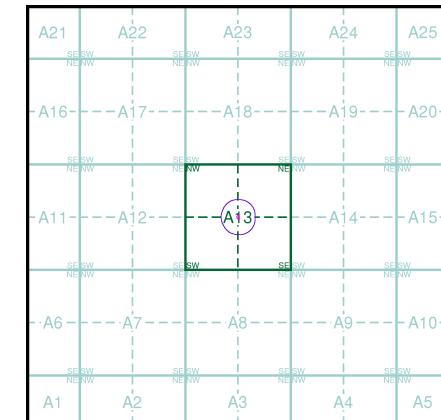
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was rechecked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

© Landmark Information Group and/or Data Suppliers 2010.

Map Name(s) and Date(s)

- | S000NW
1945
1:10,560
- | S000SW
1945
1:10,560

Historical Aerial Photography - Slice A



BRITISH LIBRARY

Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330

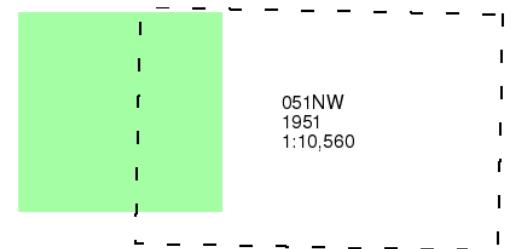
Brecknockshire

Published 1951

Source map scale - 1:10,560

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

Map Name(s) and Date(s)



051NW
1951
1:10,560

Historical Map - Slice A

A21	A22	A23	A24	A25
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
- A16 -	- A17 -	- A18 -	- A19 -	- A20 -
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
- A11 -	- A12 -	- A13 -	- A14 -	- A15 -
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
- A6 -	- A7 -	- A8 -	- A9 -	- A10 -
SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW	SE/SW NE/NW
A1	A2	A3	A4	A5

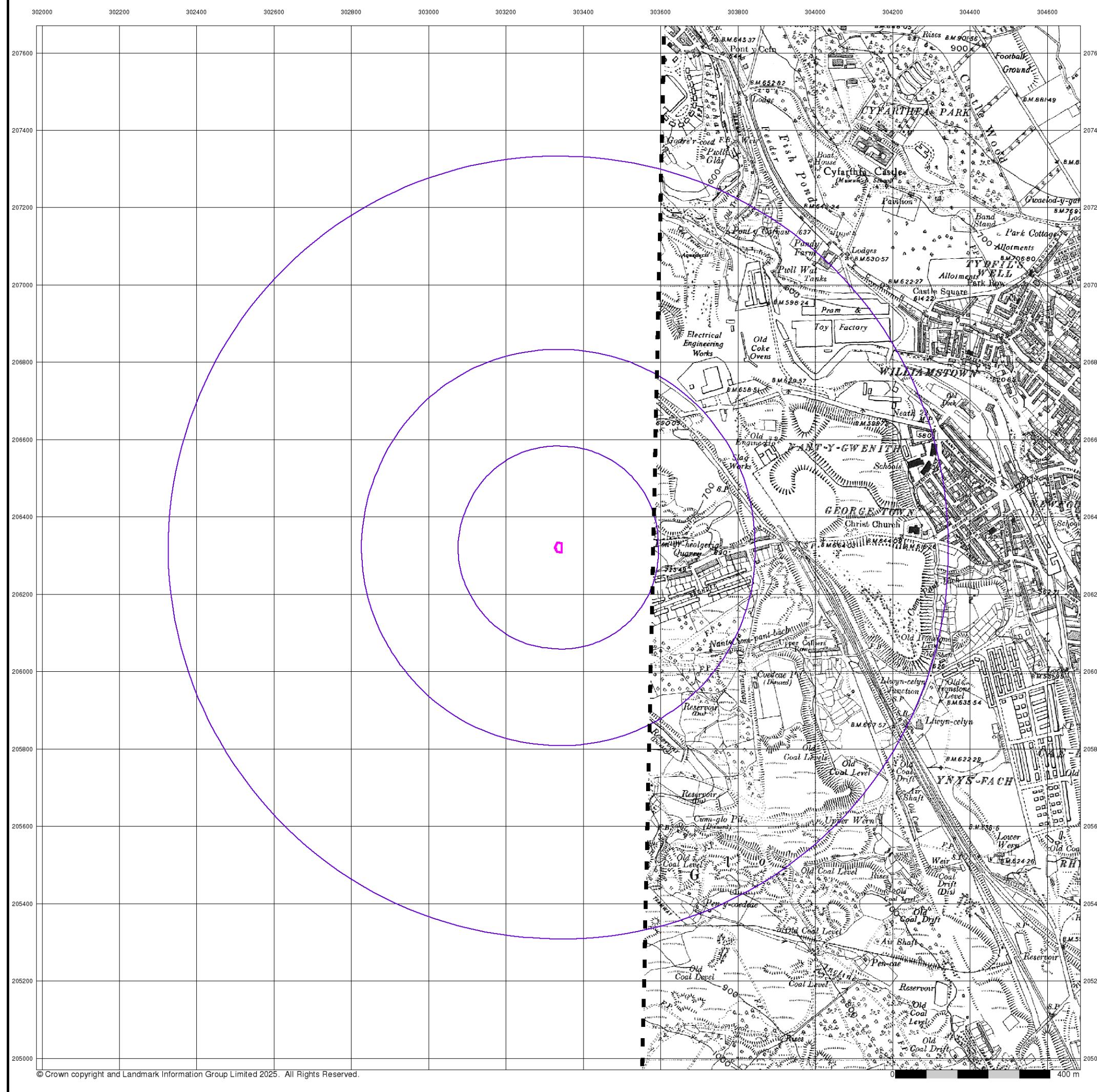


Order Details

Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 1000

Site Details

Site at 303340, 206330



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)

SO00NW	1965
1:10,560	
SO00SW	1964
1:10,560	

Historical Map - Slice A

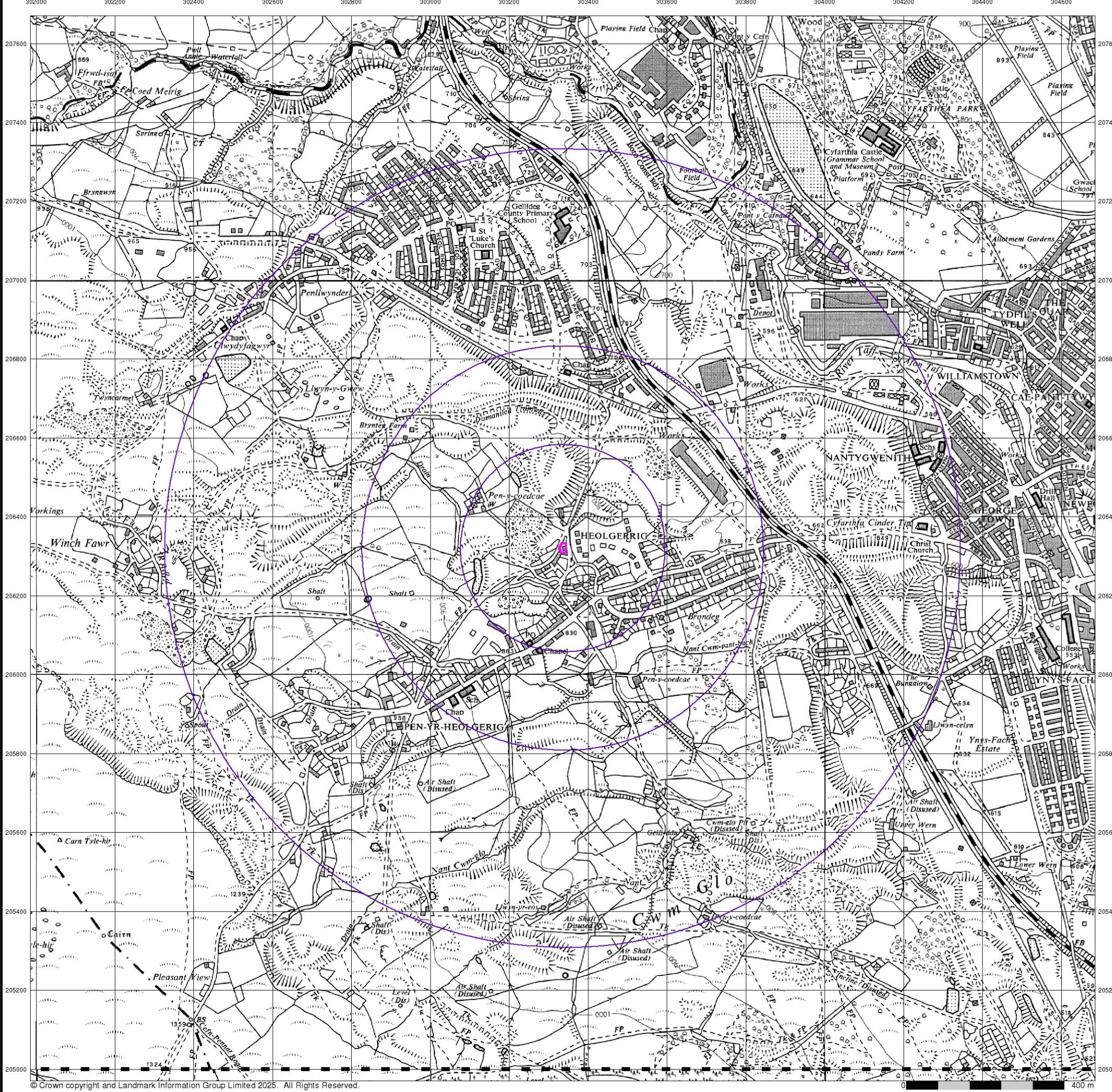
A21	A22	A23	A24	A25
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A16	-A17	-A18	-A19	-A20-
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A11	-A12	-A13	-A14	-A15-
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
-A6	-A7	-A8	-A9	-A10-
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
A1	A2	A3	A4	A5


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330



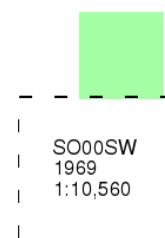
Ordnance Survey Plan

Published 1969

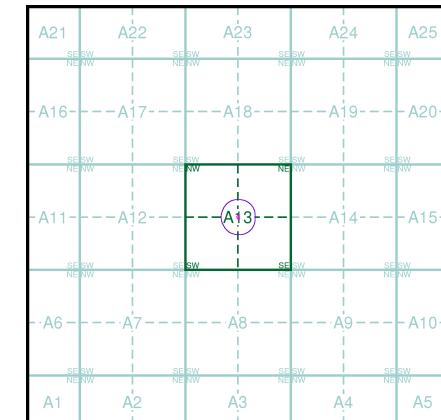
Source map scale - 1:10,000

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

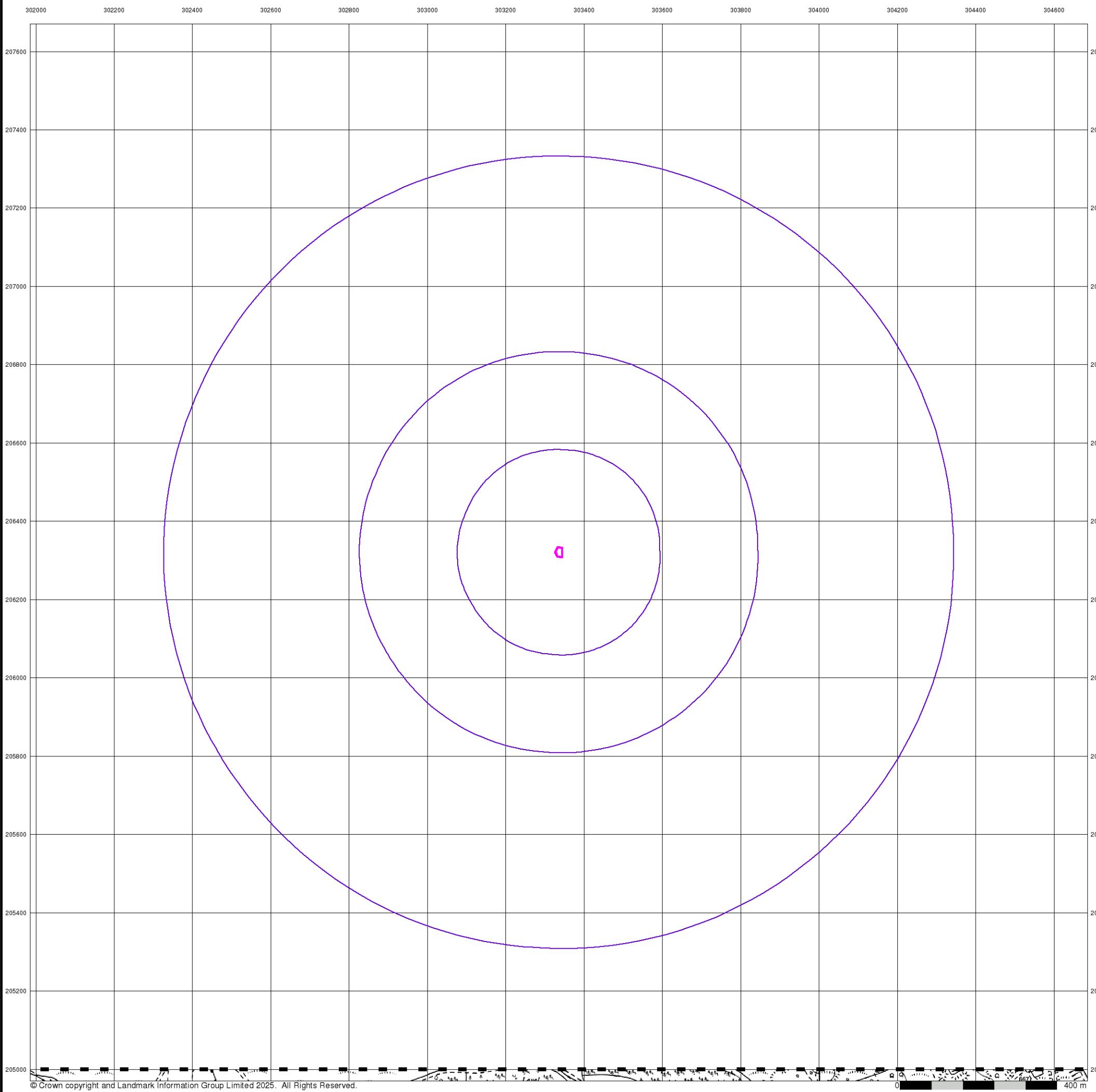


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

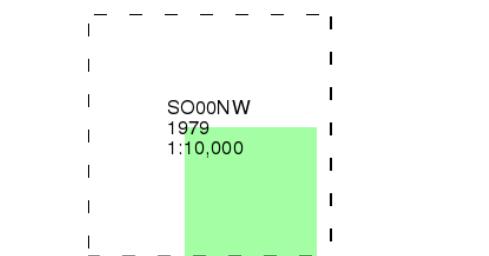
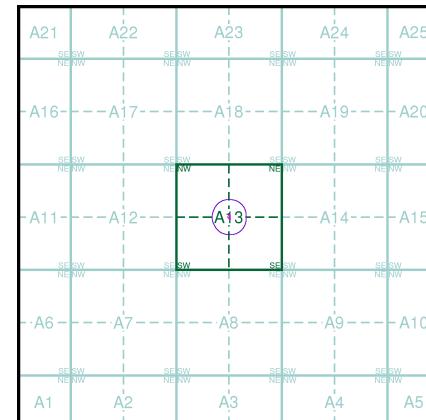
Site Details

Site at 303340, 206330



Ordnance Survey Plan
Published 1979
Source map scale - 1:10,000

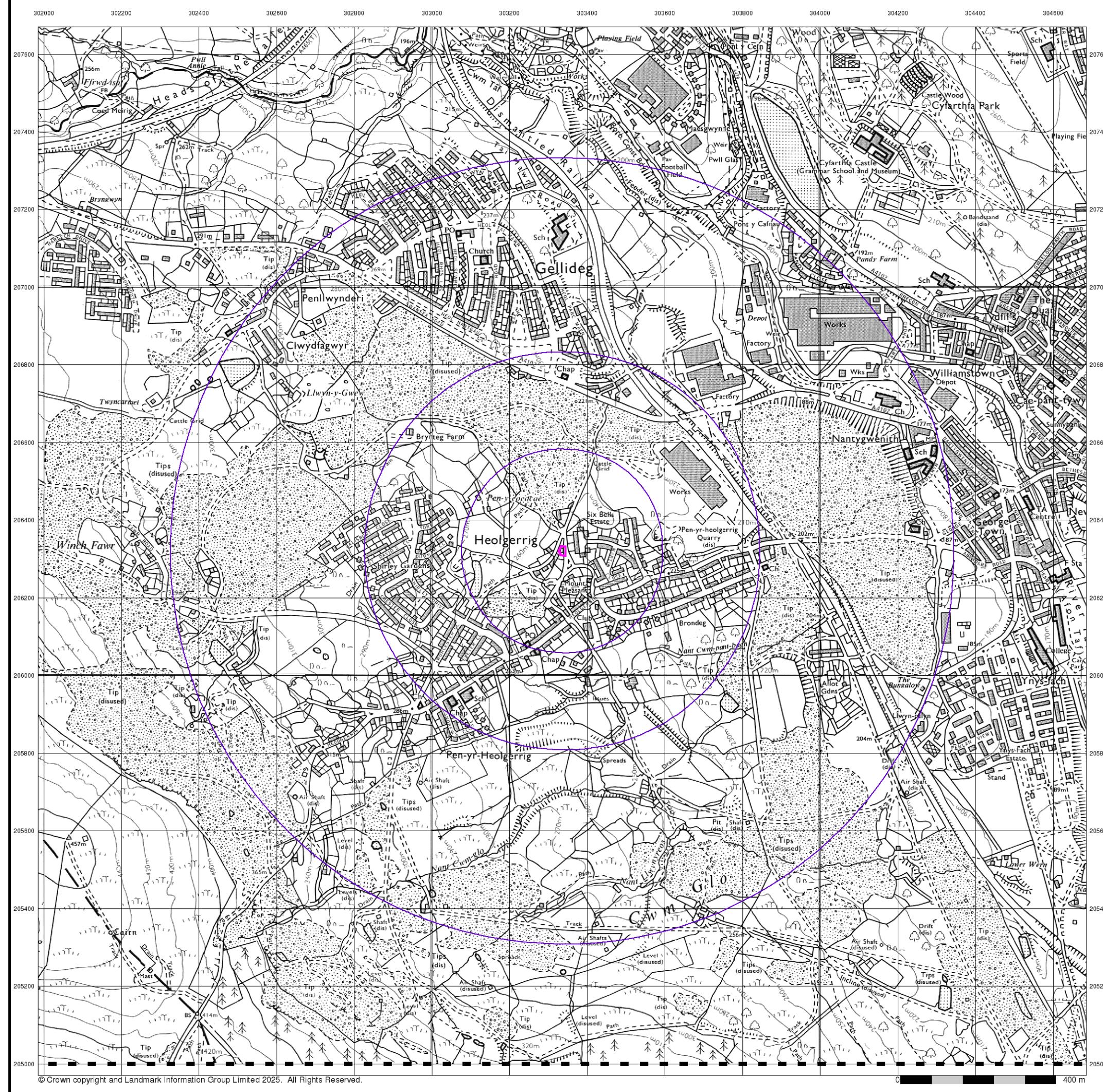
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330



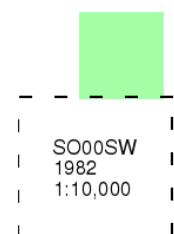
Ordnance Survey Plan

Published 1982

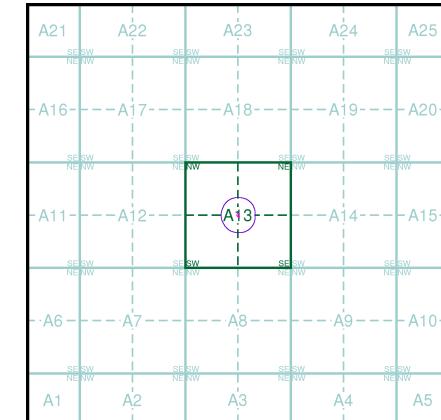
Source map scale - 1:10,000

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

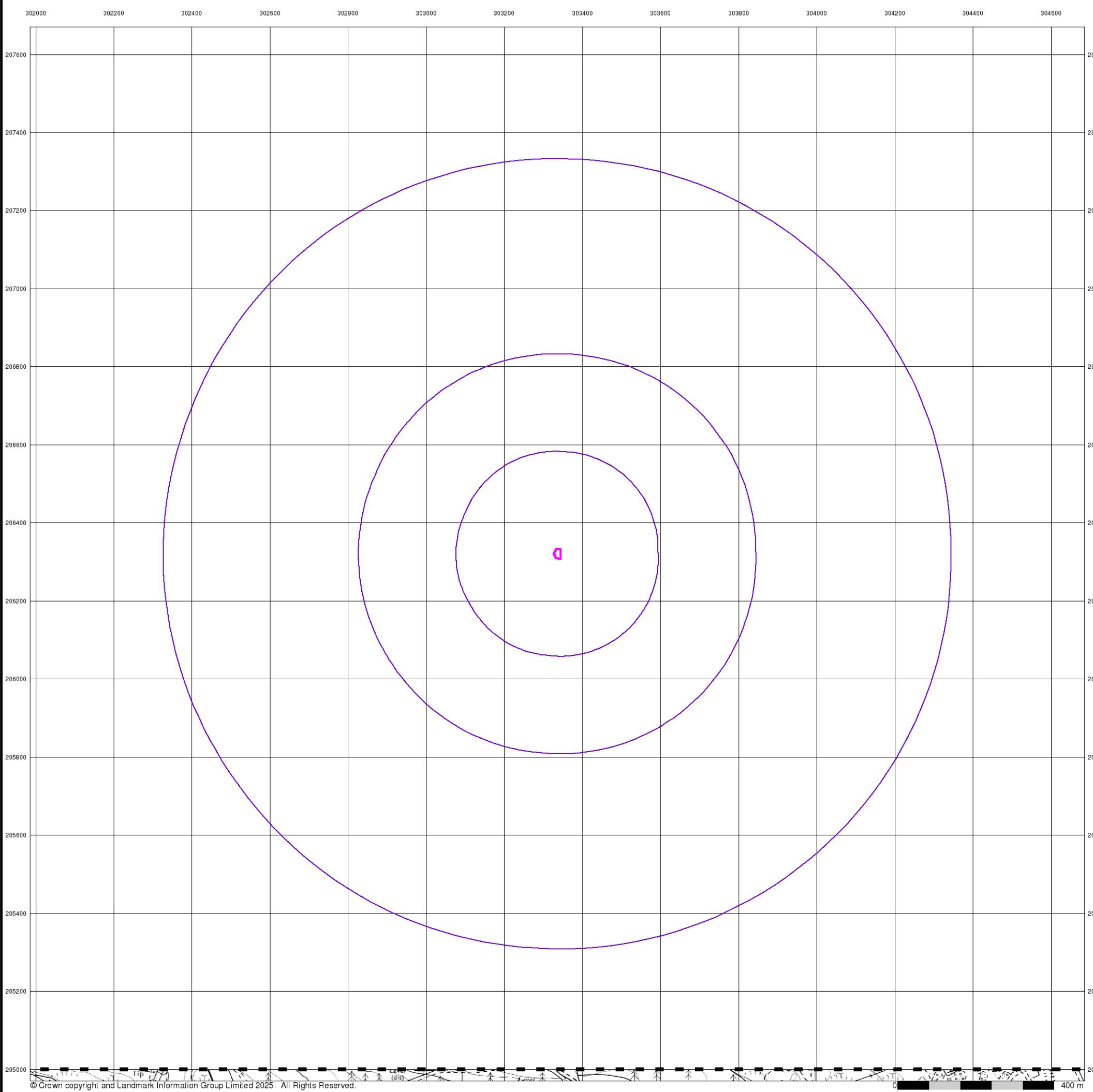


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330



Ordnance Survey Plan
Published 1990 - 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)

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—	—	—
—	—	—
—	—	—

Historical Map - Slice A

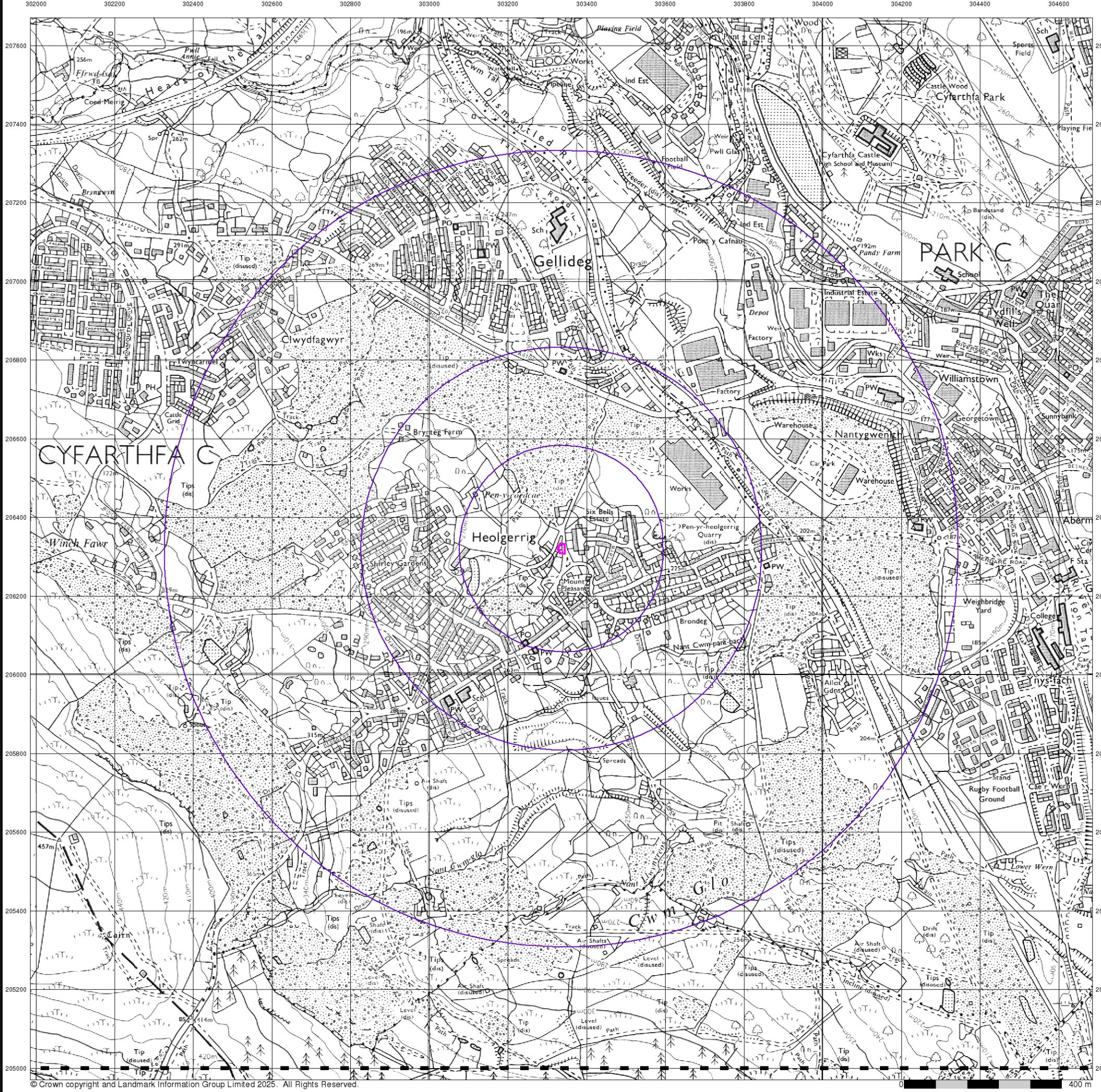
A21	A22	A23	A24	A25
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
—	—	—	—	—
A16	A17	A18	A19	A20
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
—	—	—	—	—
A11	A12	A13	A14	A15
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
—	—	—	—	—
A6	A7	A8	A9	A10
SE/SW	SE/SW	SE/SW	SE/SW	SE/SW
—	—	—	—	—
A1	A2	A3	A4	A5


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330





Geotechnical & Geoenvironmental Specialists

10k Raster Mapping

Published 1999

Source map scale - 1:10,000

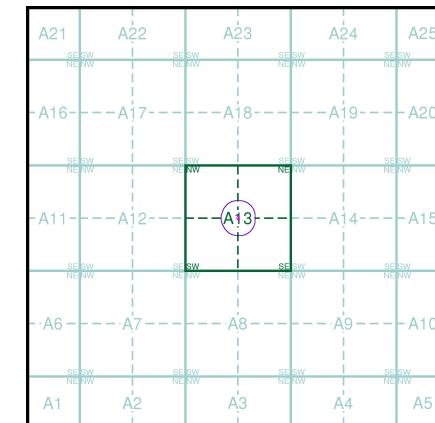
The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

Map Name(s) and Date(s)

SO00NW
1999
1:10,000

SO00SW
1999
1:10,000

Historical Map - Slice A



Order Details

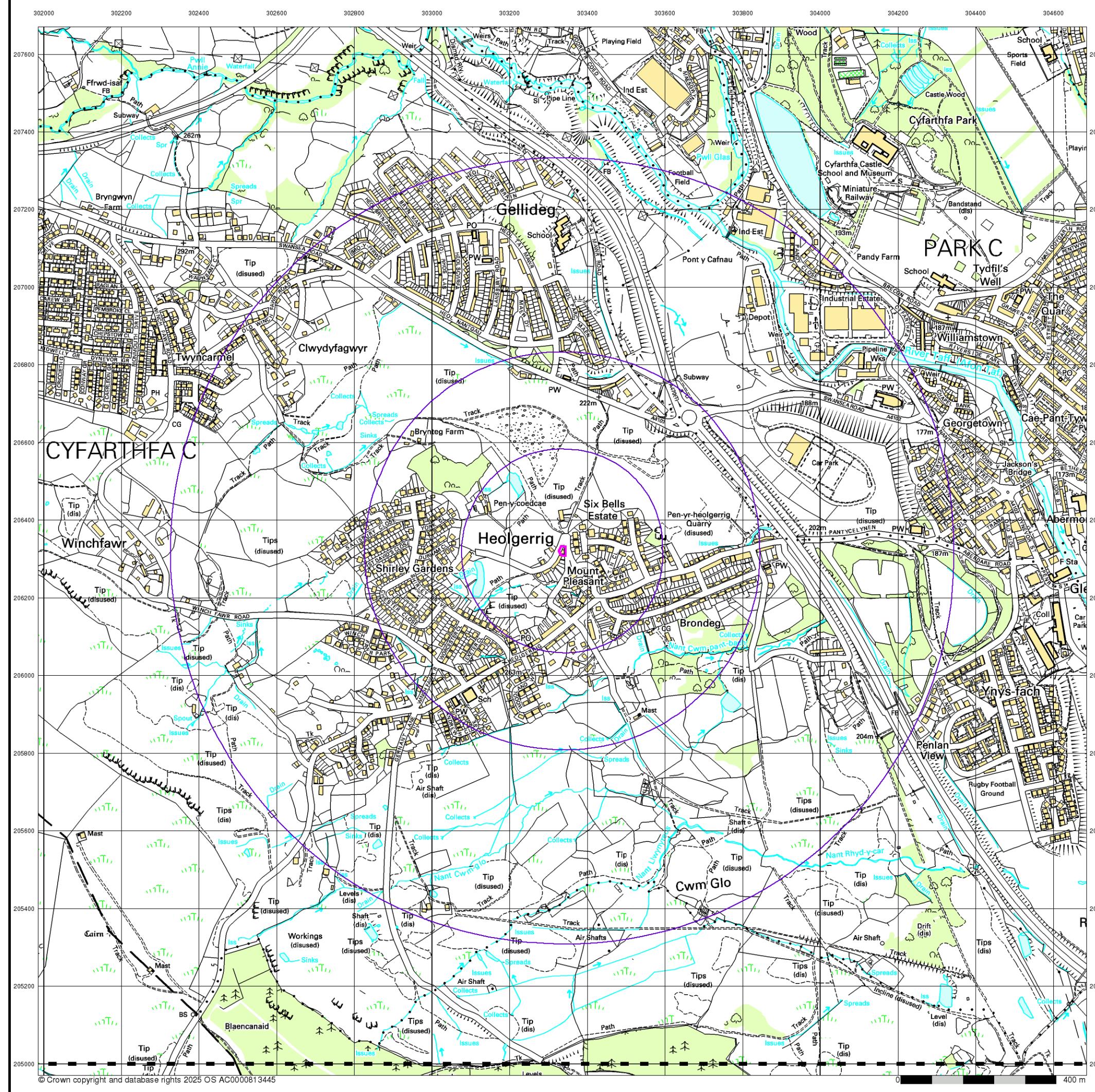
Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 1000

Site Details

Site at 303340, 206330

Landmark
INFORMATION GROUP

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





Geotechnical & Geoenvironmental Specialists

10k Raster Mapping

Published 2006

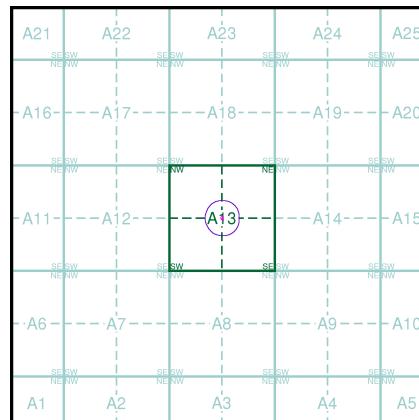
Source map scale - 1:10,000

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)

SO00NW	2006
1:10,000	
SO00SW	2006
1:10,000	

Historical Map - Slice A



Order Details

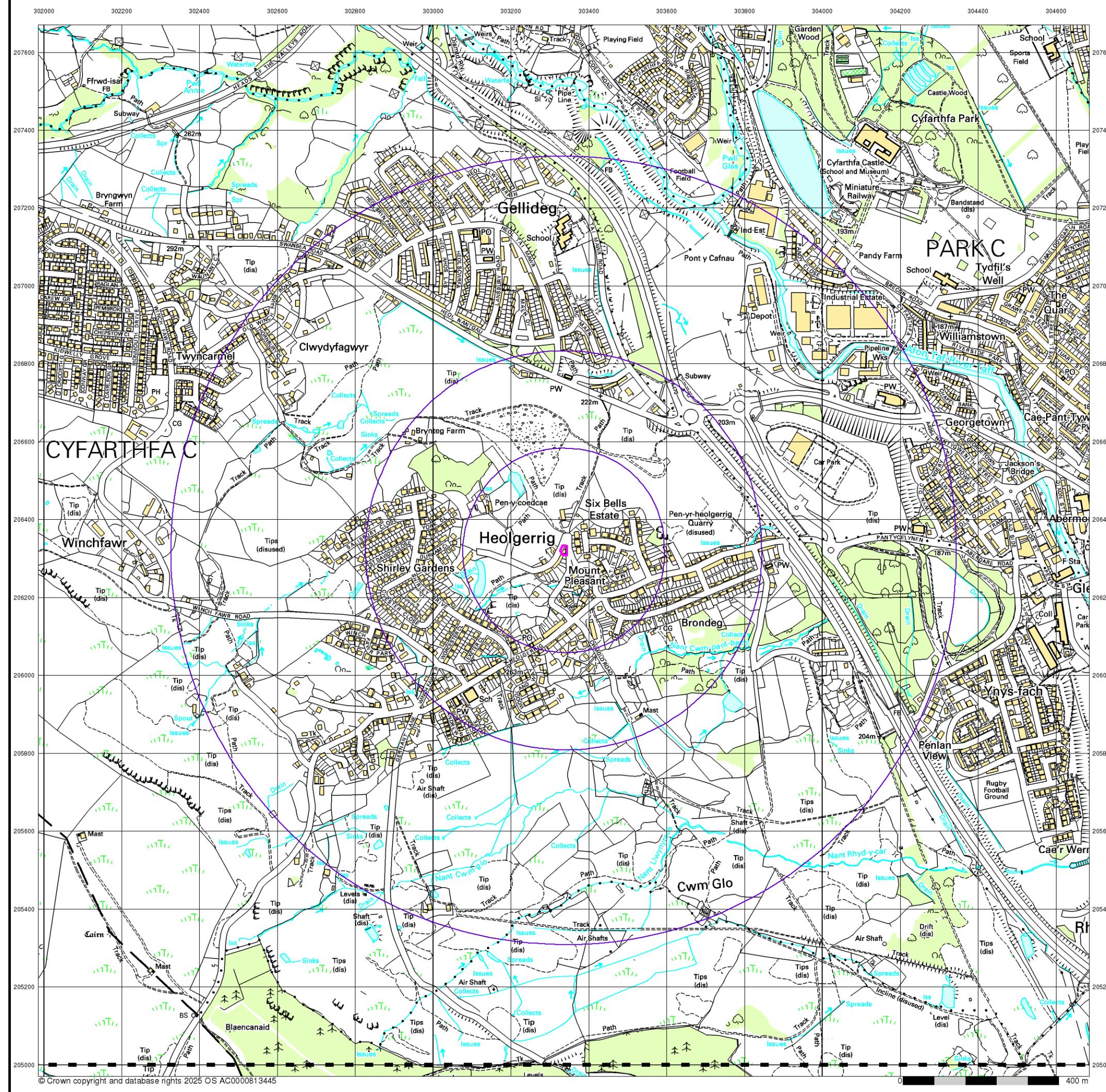
Order Number: 387064520_1_1
Customer Ref: 25-305
National Grid Reference: 303340, 206320
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 1000

Site Details

Site at 303340, 206330

Landmark
INFORMATION GROUP

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



VectorMap Local

Published 2025

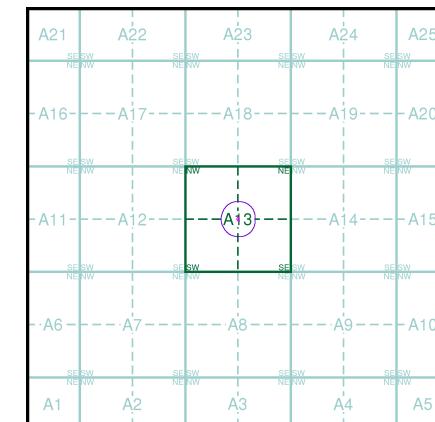
Source map scale - 1:10,000

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)

—	—
—	—
—	—
—	—
—	—

Historical Map - Slice A

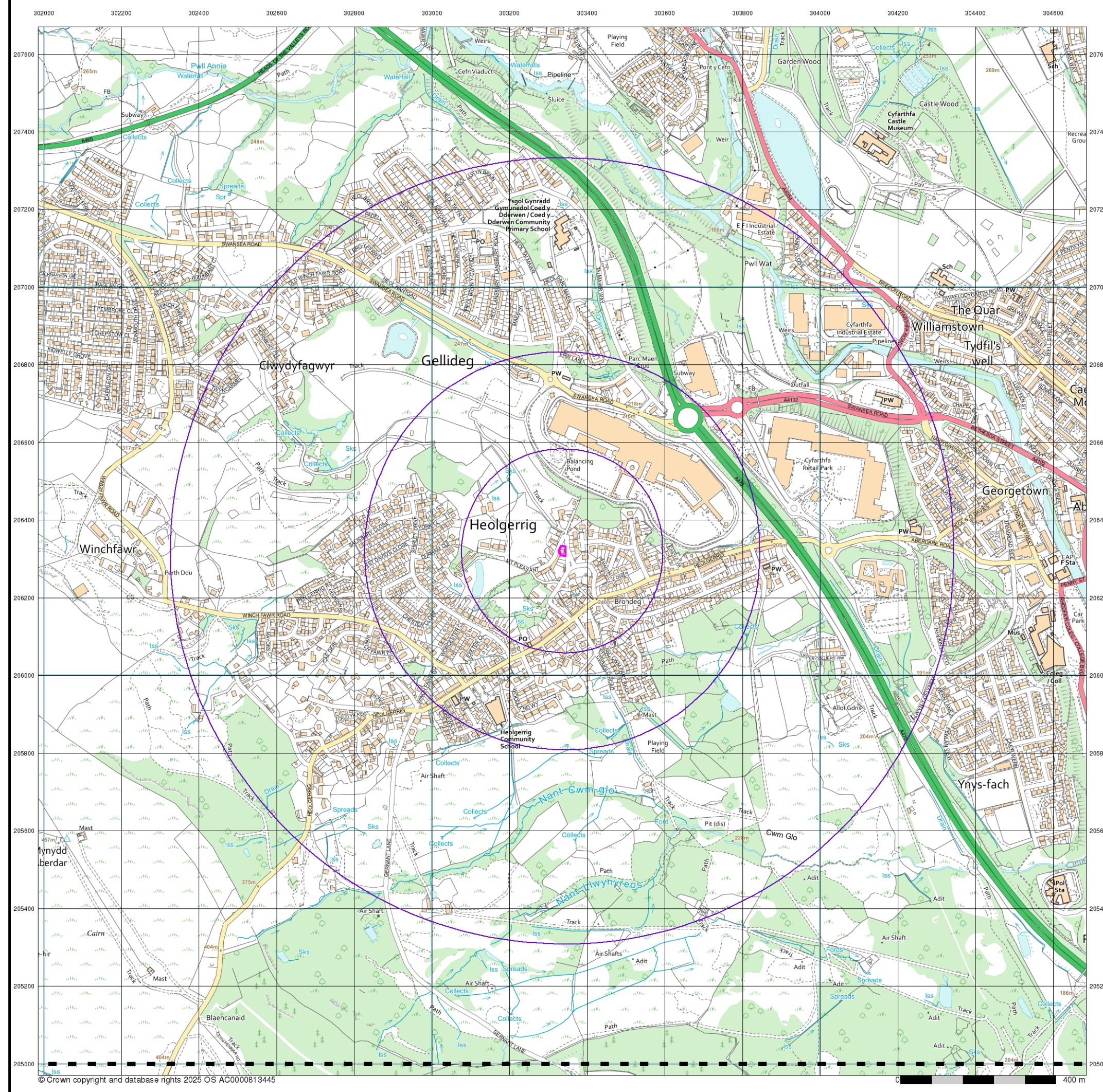


Order Details

Order Number: 387064520_1_1
 Customer Ref: 25-305
 National Grid Reference: 303340, 206320
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

Site at 303340, 206330



ANNEX B
Coal Mining Consultants Report



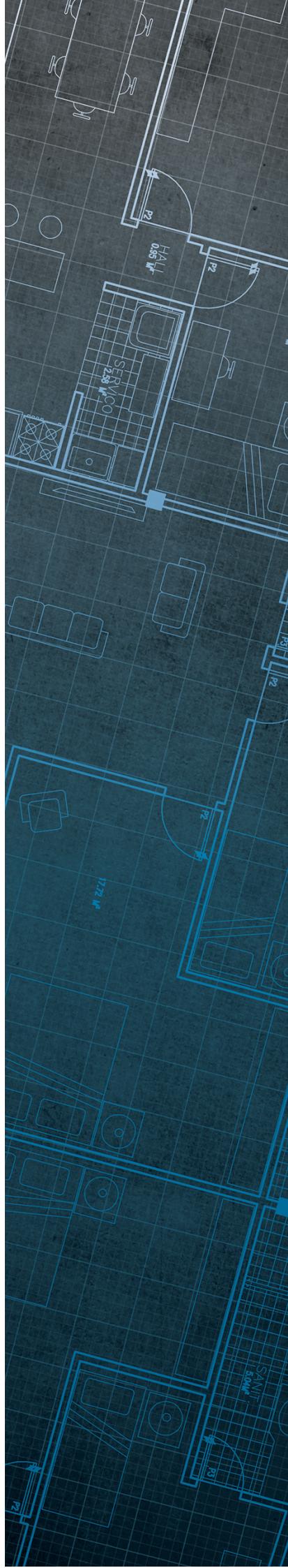
The Coal
Authority

Consultants Coal Mining Report

Site At 303340, 206330
Merthyr Tydfil

Date of enquiry: 2 October 2025
Date enquiry received: 2 October 2025
Issue date: 2 October 2025

Our reference: 51003528965001
Your reference: 387064520_2



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 303340, 206330
Merthyr Tydfil



How to contact us

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

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

Approximate position of property



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 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority

Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	LOWER 7FT BOTTOM LEAF	Coal	4BXC	14	Beneath Property	3.8	South	160	1896

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Adit	303206-023	303295 206332	Treatment details unknown.*	Coal	
Shaft	303206-040	303312 206367	Treatment details unknown.*	Coal	
Adit	303206-047	303282 206330	Treatment details unknown.*	Coal	
Shaft	303206-066	303375 206415	Treatment details unknown.*	Coal	

*For your information, before the coal industry was nationalised in 1947, there was no requirement for a mine operator to record mine entry treatment details when a mine was abandoned. Therefore, it is not unusual for us to have no treatment details for many of the 176,000 recorded mine entries on our database. Despite this lack of information, please be assured that the fact we have no treatment recorded does not necessarily mean that the mine entries were left untreated when abandoned.

Abandoned mine plan catalogue numbers

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

SWR3140	8695	SWR3141
SWR3138	OM15055	SWR1978
SWR3139	SWR3137	

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
LOWER 7FT BOTTOM LEAF	Coal	Yes	42.9	North-East	122
SEVEN FOOT	Coal	Yes	16.2	North-East	129
YARD (MEADOW)	Coal	Yes	Within	N/A	122

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

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

Future development

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

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

Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Development advice

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

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

Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

Opencast mines

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

Coal Authority managed tips

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

Site investigations

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

Remediated sites

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

Coal mining subsidence

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

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

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

Mine gas

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

Mine water treatment schemes

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

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

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

Future underground mining

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

Coal mining licensing

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

Court orders

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

Section 46 notices

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

Withdrawal of support notices

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

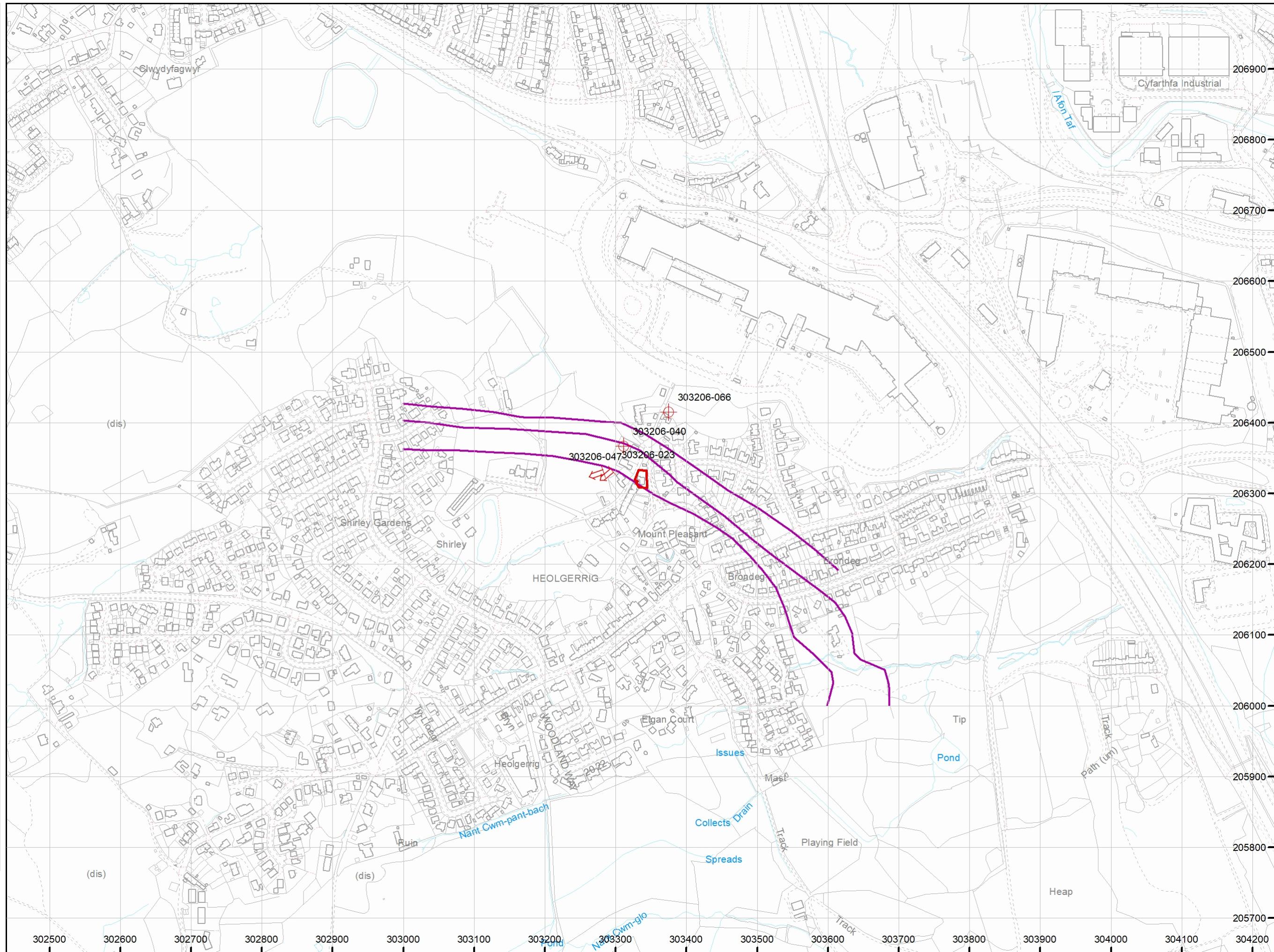
Payment to owners of former copyhold land

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

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

Key

- Approximate position of the enquiry boundary shown 
- Disused mine shaft 
- Disused adit 
- Outcrop (Proven) 



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