



## The Abergelli Power Gas Fired Generating Station Order

### 6.2 Environmental Statement Appendices - Volume H Ground Conditions Part IIe

Planning Act 2008  
The Infrastructure Planning  
(Applications: Prescribed Forms and Procedure) Regulations 2009

**PINS Reference Number:** EN010069  
**Document Reference:** 6.2  
**Regulation Number:** 5(2)(a) & Infrastructure Planning (Environmental Impact Assessment) Regulations 2009  
**Author:** AECOM

Revision	Date	Description
0	May 2018	Submission Version





## Appendix 10.2

Landmark Information Group  
Envirocheck Report 2017  
Part IIe

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

142844199\_1\_1

**Customer Reference:**

60542910

**National Grid Reference:**

265740, 202800

**Slice:**

D

**Site Area (Ha):**

32.39

**Search Buffer (m):**

1000

#### Site Details:

Abergelli Fach Farm

Felindre

SWANSEA

SA5 7NN

#### Client Details:

MS J Foy

Aecom Infrastructure & Environment UK Ltd

Longcross Court

47 Newport Road

Cardiff

CF24 0AD

#### Prepared For:

Abergelli Power Station Project



Report Section	Page Number
Summary	-
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Waste	20
Hazardous Substances	-
Geological	21
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### Introduction

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

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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### Radon Potential dataset Copyright Notice

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

### Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4		1		
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 4				1
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register					
River Quality Chemistry Sampling Points					
Water Abstractions	pg 4				1 (*11)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 7	Yes	n/a	n/a	n/a
Drift Deposits	pg 7	2	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 8		4	36	60

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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 21	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 21	Yes			Yes
BGS Recorded Mineral Sites	pg 22				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 22	Yes	n/a	n/a	n/a
Mining Instability	pg 22	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 24				1
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 24				1
Points of Interest - Public Infrastructure	pg 24				1
Points of Interest - Recreational and Environmental					
Gas Pipelines	pg 24	1			
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 25	1	1	1	5
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	265200 201650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	265400 201650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	265150 201900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	265350 202100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	265300 201550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	265350 202050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	265350 201650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	265743 201800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	265300 201700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	265450 201900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	265450 201550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	265450 201600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1NW (SW)	0	1	265500 202650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	1	1	265500 201550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	21	1	265450 202000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	22	1	265150 202050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	29	1	265000 202750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	41	1	265600 202200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	48	1	265500 201900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	58	1	265400 202050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1NE (SW)	113	1	265743 202802
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	115	1	264950 202050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	117	1	265550 201850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	132	1	265050 202000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	139	1	265650 201650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	139	1	265650 201700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	140	1	265000 201550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	168	1	265600 201800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	172	1	265050 201550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	199	1	265750 201800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	212	1	264900 201950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	228	1	265700 201800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	241	1	265700 202150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	249	1	264900 202000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1NW (W)	255	1	265250 202802
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	264	1	265900 202050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	291	1	265743 201950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	292	1	265743 201900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	292	1	265743 202050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	311	1	265900 201700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	324	1	265200 202802
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1NW (W)	330	1	265300 202850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	335	1	266450 201850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	339	1	265743 202200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	341	1	265750 201950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NW (W)	346	1	265250 202850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	347	1	265000 202802
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1SE (S)	349	1	265850 202300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	367	1	265200 202850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5SW (W)	372	1	265350 202900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	375	1	265950 201650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D5SW (W)	379	1	265300 202900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	391	1	265850 202050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D5SW (W)	392	1	265250 202900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	398	1	265800 202150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	412	1	265200 202900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D5SW (W)	422	1	265350 202950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	423	1	265100 202850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2NW (E)	424	1	266050 202700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D5SW (NW)	428	1	265350 203000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	436	1	265150 202900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	450	1	265800 202200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	457	1	265200 202950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	479	1	265950 202050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5SW (NW)	488	1	265450 203050



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Discharge Consents</b></p> <p>Operator: Mr W B Llewellyn  Property Type: Domestic Property (Single)  Location: Abergelli Farm Felindre Swansea  Authority: Natural Resources Wales  Catchment Area: River Loughor  Reference: Bp0051701  Permit Version: 1  Effective Date: 14th August 1987  Issued Date: 14th August 1987  Revocation Date: 14th November 1996  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: To Land  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	D1SW (SW)	114	2	265500 202500
	<p><b>Nearest Surface Water Feature</b></p>	D1NW (W)	172	-	265376 202723
	<p><b>River Quality</b></p> <p>Name: Llan  GQA Grade: River Quality B  Reach: Felin-Wen - Cynghordy  Estimated Distance (km): 2.8  Flow Rate: Flow less than 0.31 cumecs  Flow Type: River  Year: 2000</p>	D2SW (SE)	615	3	266124 202457
2	<p><b>Water Abstractions</b></p> <p>Operator: M.E &amp; D.G Thomas  Licence Number: 22/59/4/0024  Permit Version: 100  Location: Well At Rhosfawr Farm  Authority: Environment Agency, Welsh Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Well At Rhosfawr Farm  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 1st February 1993  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	D5NE (N)	938	3	265750 203390
	<p><b>Water Abstractions</b></p> <p>Operator: Mr M Jones  Licence Number: 22/59/4/0066  Permit Version: 1  Location: Un-Named Trib Of Afon Llan  Authority: Natural Resources Wales  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 04 January  Authorised End: 10 July  Permit Start Date: 1st April 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	D3SW (E)	1323	2	266710 202510

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Mr M Jones  Licence Number: 22/59/4/0066  Permit Version: 1  Location: Un-Named Trib Of Afon Llan  Authority: Natural Resources Wales  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 11 January  Authorised End: 03 July  Permit Start Date: 1st April 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	D3SW (E)	1323	2	266710 202510
	<p><b>Water Abstractions</b></p> <p>Operator: Mr M Jones  Licence Number: 22/59/4/0066  Permit Version: 1  Location: Un-Named Trib Of Afon Llan  Authority: Natural Resources Wales  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Unnamed Stream (B) At Maesgwyn Trout Farm  Authorised Start: 01 April  Authorised End: 31 October  Permit Start Date: 1st April 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	D3SW (E)	1323	2	266710 202510
	<p><b>Water Abstractions</b></p> <p>Operator: Mr M Jones  Licence Number: 22/59/4/0066  Permit Version: 1  Location: Un-Named Trib Of Afon Llan  Authority: Natural Resources Wales  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Unnamed Stream (C) At Maesgwyn Trout Farm  Authorised Start: 01 November  Authorised End: 31 March  Permit Start Date: 1st April 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	D3SW (E)	1323	2	266710 202510
	<p><b>Water Abstractions</b></p> <p>Operator: Mr M Jones  Licence Number: 22/59/4/0066  Permit Version: 1  Location: Un-Named Trib Of Afon Llan  Authority: Natural Resources Wales  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 April  Authorised End: 31 October  Permit Start Date: 1st April 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	D3SW (SE)	1354	2	266720 202280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Mr M Jones  Licence Number: 22/59/4/0066  Permit Version: 1  Location: Un-Named Trib Of Afon Llan  Authority: Natural Resources Wales  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Unnamed Stream (A) At Maesgwyn Trout Farm  Authorised Start: 11 January  Authorised End: 03 July  Permit Start Date: 1st April 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	D3SW (SE)	1354	2	266720 202280
	<p><b>Water Abstractions</b></p> <p>Operator: Mr M Jones  Licence Number: 22/59/4/0066  Permit Version: 1  Location: Un-Named Trib Of Afon Llan  Authority: Natural Resources Wales  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 November  Authorised End: 31 March  Permit Start Date: 1st April 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	D3SW (SE)	1354	2	266720 202280
	<p><b>Water Abstractions</b></p> <p>Operator: Mr D Thomas  Licence Number: 22/59/4/0039  Permit Version: 100  Location: Well At Cwmcile Farm  Authority: Environment Agency, Welsh Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Spring Adjacent To Pentre Bedw Cottage  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 30th March 1966  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	D9NE (N)	1600	3	265730 204090
	<p><b>Water Abstractions</b></p> <p>Operator: Mr D Thomas  Licence Number: 22/59/4/0039  Permit Version: 100  Location: Spring Adjacent To Pentre Bedw Cottage  Authority: Environment Agency, Welsh Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Well At Cwmcile Farm  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 30th March 1966  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	D10NW (N)	1748	3	266080 204130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Mr J Williams            Licence Number: 22/59/4/0040            Permit Version: 100            Location: Spring In Enc. No. 847 At Maestir Mawr Farm            Authority: Environment Agency, Welsh Region            Abstraction: General Farming And Domestic            Abstraction Type: Water may be abstracted from a single point            Source: Groundwater            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Spring In Enc. No. 847 At Maestir Mawr Farm            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 30th March 1966            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	D13SW (N)	1875	3	265500 204400
	<p><b>Water Abstractions</b></p> <p>Operator: Mr D Morgan            Licence Number: 22/59/4/0005            Permit Version: 100            Location: Spring 2 At Pant Y Fallen Farm            Authority: Environment Agency, Welsh Region            Abstraction: General Farming And Domestic            Abstraction Type: Water may be abstracted from a single point            Source: Groundwater            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Spring 2 At Pant Y Fallen Farm            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 1st December 1965            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	D13SW (N)	1965	3	265250 204490
	<p><b>Groundwater Vulnerability</b></p> <p>Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment            Map Sheet: Sheet 35 West Glamorgan            Scale: 1:100,000</p>	D1NE (W)	0	3	265735 202802
	<p><b>Groundwater Vulnerability</b></p> <p>Soil Classification: Soils of High Leaching Potential (H2) - Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential            Map Sheet: Sheet 35 West Glamorgan            Scale: 1:100,000</p>	D1SW (SW)	0	3	265538 202540
	<p><b>Groundwater Vulnerability</b></p> <p>Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants            Map Sheet: Sheet 35 West Glamorgan            Scale: 1:100,000</p>	(S)	0	3	265994 201841
	<p><b>Drift Deposits</b></p> <p>Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium            Map Sheet: Sheet 35 West Glamorgan            Scale: 1:100,000</p>	(S)	0	3	265745 201652
	<p><b>Drift Deposits</b></p> <p>Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium            Map Sheet: Sheet 35 West Glamorgan            Scale: 1:100,000</p>	D1NE (SW)	0	3	265743 202802
	<p><b>Bedrock Aquifer Designations</b></p> <p>Aquifer Designation: Secondary Aquifer - A</p>	(W)	0	1	265000 202802
	<p><b>Bedrock Aquifer Designations</b></p> <p>Aquifer Designation: Secondary Aquifer - A</p>	D1NE (SW)	0	1	265743 202802
	<p><b>Superficial Aquifer Designations</b></p> <p>Aquifer Designation: Secondary Aquifer - A</p>	D1SW (SW)	0	1	265397 202422

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	D1SE (S)	0	1	265820 202400
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	D1NE (S)	0	1	265750 202777
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
3	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 83.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (SW)	133	4	265577 202541
4	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 167.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	191	4	265719 202508
5	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 105.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D1SE (S)	191	4	265679 202523
6	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 134.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NW (W)	236	4	265237 202721
7	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 131.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (SW)	298	4	265666 202627
8	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 273.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (SW)	315	4	265649 202695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 269.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (SW)	322	4	265666 202717
10	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 164.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	332	4	265719 202508
11	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	357	4	265654 202282
12	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (W)	362	4	265599 202817
13	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (W)	375	4	265579 202846
14	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 96.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D1NE (NW)	375	4	265617 202855
15	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	377	4	265664 202254
16	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 74.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	380	4	265666 202248
17	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 75.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SE (NW)	416	4	265566 202901

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5SE (NW)	416	4	265594 202909
19	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 55.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (W)	417	4	265335 202944
20	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 19.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (W)	421	4	265285 202940
21	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 100.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (W)	422	4	265257 202969
22	<b>OS Water Network Lines</b> Watercourse Form: Marsh Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	422	4	265807 202472
23	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 149.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D1SE (S)	426	4	265826 202255
24	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 142.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	428	4	265835 202293
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 133.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (S)	434	4	265817 202584
26	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 89.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (SE)	435	4	265853 202663



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 128.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5SE (NW)	437	4	265594 202909
28	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (W)	440	4	265282 202959
29	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 149.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	457	4	265830 202393
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 54.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	458	4	265840 202452
31	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 49.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	460	4	265527 202965
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	460	4	265837 202395
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	467	4	265844 202399
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (SE)	468	4	265794 202752
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 64.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (W)	473	4	265271 202989



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 31.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (W)	473	4	265271 202989
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 352.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1NE (SE)	487	4	265880 202701
38	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 53.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (W)	488	4	265229 203001
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 68.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	489	4	265548 203014
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 189.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	490	4	265498 203004
41	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (W)	493	4	265245 203004
42	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Tarw Catchment Name: Loughor Primacy: 1	D5SW (W)	495	4	265229 203001
43	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Tarw Catchment Name: Loughor Primacy: 1	D5SW (NW)	503	4	265237 203019
44	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	510	4	265237 203019

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Tarw Catchment Name: Loughor Primacy: 1	D5SW (NW)	510	4	265258 203043
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 92.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Tarw Catchment Name: Loughor Primacy: 1	D5SW (NW)	527	4	265333 203091
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 62.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	527	4	265556 203025
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 35.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SE (NW)	527	4	265590 203014
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SE (NW)	529	4	265593 203014
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 35.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SE (NW)	530	4	265626 203002
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 226.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D1SE (S)	542	4	265858 202251
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 157.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	560	4	265479 203138
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 182.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	562	4	265307 203087

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Tarw Catchment Name: Loughor Primacy: 1	D5SW (NW)	565	4	265360 203121
55	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Tarw Catchment Name: Loughor Primacy: 1	D5SW (NW)	593	4	265366 203128
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 310.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	593	4	265360 203121
57	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	617	4	265486 203140
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 41.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	620	4	265499 203146
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 117.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5SE (NW)	638	4	265577 203145
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	649	4	265520 203162
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 62.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	655	4	265435 203199
62	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 73.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Tarw Catchment Name: Loughor Primacy: 1	D5SW (NW)	655	4	265407 203183

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	665	4	265534 203175
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 123.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	665	4	265534 203175
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 363.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D2NW (SE)	692	4	266106 202636
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	694	4	265457 203219
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5SE (NW)	695	4	265573 203196
68	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5SE (NW)	698	4	265576 203198
69	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 0.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	701	4	265463 203225
70	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 111.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5NW (NW)	701	4	265535 203262
71	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 20.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5SW (NW)	701	4	265463 203225

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5SE (NW)	706	4	265575 203207
73	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 54.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5SE (N)	709	4	265574 203211
74	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5NW (NW)	720	4	265459 203245
75	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 112.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5NW (NW)	720	4	265459 203245
76	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 66.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Llan Catchment Name: Loughor Primacy: 1	D2SW (SE)	753	4	266143 202493
77	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 280.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Llan Catchment Name: Loughor Primacy: 1	D2SW (SE)	756	4	266141 202413
78	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5NE (N)	760	4	265571 203265
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 72.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5NE (N)	765	4	265570 203270
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 177.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Llan Catchment Name: Loughor Primacy: 1	D2NW (SE)	771	4	266182 202596

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 49.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D2SW (SE)	772	4	266153 202421
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Llan Catchment Name: Loughor Primacy: 1	D2SW (SE)	772	4	266159 202433
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Llan Catchment Name: Loughor Primacy: 2	D2SW (SE)	772	4	266158 202454
84	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Llan Catchment Name: Loughor Primacy: 1	D2SW (SE)	773	4	266158 202454
85	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 27.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D2SW (SE)	788	4	266162 202376
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 201.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D6SW (NE)	793	4	266014 203006
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 50.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D6SW (NE)	798	4	265971 203063
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 56.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D6SW (NE)	798	4	265971 203063
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 217.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D6SW (E)	803	4	266093 202903

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 43.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5NE (N)	823	4	265618 203316
91	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D5NE (N)	823	4	265641 203317
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 116.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 2	D2NW (E)	838	4	266202 202752
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D6SW (NE)	844	4	265990 203109
94	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D6SW (NE)	847	4	265992 203113
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 93.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5NE (N)	849	4	265658 203331
96	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 122.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D2NW (E)	852	4	266228 202721
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 419.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Llan Catchment Name: Loughor Primacy: 1	D2NW (E)	852	4	266234 202616
98	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 63.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D2NW (E)	861	4	266224 202754

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D2NW (E)	861	4	266224 202723
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D2NE (E)	892	4	266240 202781
101	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 250.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D5NW (N)	913	4	265476 203470
102	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 67.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Loughor Primacy: 1	D2SE (SE)	943	4	266309 202243



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: City and County of Swansea - Has no landfill data to supply		0	5	265743 202802
103	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1976	D5SE (NW)	544	8	265647 203003

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: South Wales Upper Coal Measures Formation	D1NE (SW)	0	1	265743 202802
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1NE (SW)	0	1	265743 202802
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D2NW (E)	613	1	266000 202802
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D6SW (E)	719	1	266000 202897
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D2SW (SE)	778	1	266190 202507
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D2SW (SE)	845	1	266192 202261
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D6SW (NE)	871	1	266000 203139

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	D2NE (E)	900	1	266240 202808
104	<b>BGS Recorded Mineral Sites</b> Site Name: Waun-Fach Location: , Clydach, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 151707 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Swansea Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	D5SE (NW)	539	1	265652 202994
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	D1NE (SW)	0	6	265743 202802
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	D1NE (SW)	0	-	265743 202802
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (SW)	0	1	265743 202802
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SE (S)	0	1	265820 202400
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SE (S)	0	1	265820 202400
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NE (SW)	0	1	265743 202802
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NE (SW)	0	1	265743 202802
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (SW)	0	1	265743 202802
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SE (S)	0	1	265820 202400
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	265750 202777
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (SW)	0	1	265397 202422

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	265750 202777
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	D1NE (SW)	0	1	265743 202802
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D1NE (SW)	0	1	265743 202802

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<b>Contemporary Trade Directory Entries</b> Name: Thomas M E & D G & E A Location: Rhosfawr Farm, Morriston, Swansea, SA6 6PF Classification: Dairies Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	D5NE (N)	943	-	265844 203349
106	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: SA6 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	D5NE (N)	917	7	265794 203346
107	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: SA6 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	D5SE (N)	709	7	265585 203207
108	<b>Gas Pipelines</b> Name: FM28 - Felindre to Cilfrew Nat Grid: Owned By National Grid Diameter (mm): 1200 Building Proximity: 132 Distance (m): Status: Active Pipe Length (m): 17048.8 Pipe Number: Feeder 28	D1NE (NW)	0	8	265738 202807

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	<b>Ancient Woodland</b> Name: Not Supplied Reference: 7060 Area(m <sup>2</sup> ): 16001.14 Type: Ancient and Semi-Natural Woodland	(S)	0	2	265510 201569
110	<b>Ancient Woodland</b> Name: Not Supplied Reference: 882 Area(m <sup>2</sup> ): 7755.99 Type: Ancient and Semi-Natural Woodland	(W)	207	2	264897 202524
111	<b>Ancient Woodland</b> Name: Not Supplied Reference: 880 Area(m <sup>2</sup> ): 5527.37 Type: Ancient and Semi-Natural Woodland	(SW)	463	2	264658 201916
112	<b>Ancient Woodland</b> Name: Not Supplied Reference: 878 Area(m <sup>2</sup> ): 4775.36 Type: Ancient and Semi-Natural Woodland	(SW)	576	2	264530 201768
113	<b>Ancient Woodland</b> Name: Not Supplied Reference: 887 Area(m <sup>2</sup> ): 3413.32 Type: Ancient and Semi-Natural Woodland	(W)	722	2	264784 203025
114	<b>Ancient Woodland</b> Name: Not Supplied Reference: 7139 Area(m <sup>2</sup> ): 2605.61 Type: Ancient and Semi-Natural Woodland	D2NW (SE)	750	2	266179 202558
115	<b>Ancient Woodland</b> Name: Not Supplied Reference: 7140 Area(m <sup>2</sup> ): 3219.21 Type: Ancient and Semi-Natural Woodland	D2NW (SE)	812	2	266195 202602
116	<b>Ancient Woodland</b> Name: Not Supplied Reference: 7141 Area(m <sup>2</sup> ): 3530.41 Type: Ancient and Semi-Natural Woodland	D2NE (E)	974	2	266326 202779

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Carmarthenshire County Council - Environmental Health Department	January 2015 March 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Welsh Region Natural Resources Wales	August 2014 August 2017	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Welsh Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Welsh Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Natural Resources Wales Environment Agency - Welsh Region	August 2017 July 2017	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Swansea Bay Port Health Authority Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department Carmarthenshire County Council - Environmental Health Department	April 2014 August 2012 June 2014 March 2015	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Carmarthenshire County Council - Environmental Health Department	April 2014 June 2014 March 2014 March 2015	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Carmarthenshire County Council - Environmental Health Department	April 2014 June 2014 March 2014 September 2013	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	May 2017	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Welsh Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	As notified As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	As notified As notified
<b>Registered Radioactive Substances</b> Natural Resources Wales Environment Agency - Welsh Region	January 2015 January 2015	As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>Substantiated Pollution Incident Register</b> Natural Resources Wales Environment Agency Wales - South West Area	August 2018 July 2017	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Welsh Region Natural Resources Wales	July 2017 July 2017	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Natural Resources Wales Environment Agency - Welsh Region	August 2017 July 2017	Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Natural Resources Wales	November 2016	As notified
<b>Extreme Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	August 2017	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	August 2017	Quarterly
<b>Areas Benefiting from Flood Defences</b> Natural Resources Wales	August 2017	Quarterly
<b>Flood Water Storage Areas</b> Natural Resources Wales	August 2017	Quarterly
<b>Flood Defences</b> Natural Resources Wales	August 2017	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	July 2017	6 Weekly
<b>Surface Water 1 in 30 year Flood Extent</b> Natural Resources Wales	October 2013	As notified
<b>Surface Water 1 in 100 year Flood Extent</b> Natural Resources Wales	October 2013	As notified
<b>Surface Water 1 in 1000 year Flood Extent</b> Natural Resources Wales	October 2013	As notified
<b>Surface Water Suitability</b> Natural Resources Wales	October 2013	As notified
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually



Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Natural Resources Wales	May 2017	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Welsh Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency Wales - South West Area Natural Resources Wales	May 2017 May 2017	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Natural Resources Wales Environment Agency Wales - South West Area	August 2017 July 2017	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Carmarthenshire County Council City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Carmarthenshire County Council City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 May 2000 September 2003	Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency Wales - South West Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency Wales - South West Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency Wales - South West Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	September 2017	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Carmarthenshire County Council - Area Planning Office (East Area) Carmarthenshire County Council - Area Planning Office (South Area) Carmarthenshire County Council - Environment Department (West Area) City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 February 2016 February 2016 January 2016 October 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Carmarthenshire County Council - Area Planning Office (East Area) Carmarthenshire County Council - Area Planning Office (South Area) Carmarthenshire County Council - Environment Department (West Area) City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 February 2016 February 2016 January 2016 October 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update

Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2017	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	September 2017	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2017	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	September 2017	Quarterly
<b>Points of Interest - Education and Health</b> PointX	September 2017	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	September 2017	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	September 2017	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	September 2017	Quarterly
<b>Underground Electrical Cables</b> National Grid	December 2015	Bi-Annually

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

A selection of organisations who provide data within this report



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

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Natural Resources Wales</b> Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 023 8079 2000 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	<b>City and County of Swansea - Environmental Health Department</b> The Guildhall, Swansea, West Glamorgan, SA1 4PE	Telephone: 01792 636000 extn 5651 Fax: 01792 635719
6	<b>The Coal Authority - Property Searches</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk




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

## Geology 1:50,000 Maps Legends





### Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Quaternary - Quaternary

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	TILLD	Till, Devensian	Diamicton	Devensian - Devensian
	HMGDD	Hummocky (Moundy) Glacial Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	PEAT	Peat	Peat [Unlithified Deposits Coding Scheme]	Quaternary - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	GDB	Grovesend Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	SW	Swansea Member	Sandstone	Westphalian D - Westphalian D
	SW	Swansea Member	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	H	Hughes Member	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	H	Hughes Member	Sandstone	Westphalian D - Westphalian D
		Faults		
		Rock Segments		

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### Geology 1:50,000 Maps

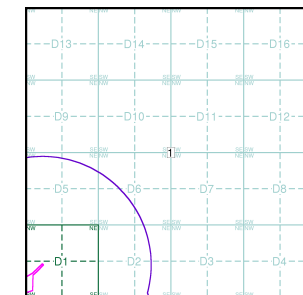
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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



### Order Details:

Order Number:	142844199_1_1
Customer Reference:	60542910
National Grid Reference:	265740, 202800
Slice:	D
Site Area (Ha):	32.39
Search Buffer (m):	1000

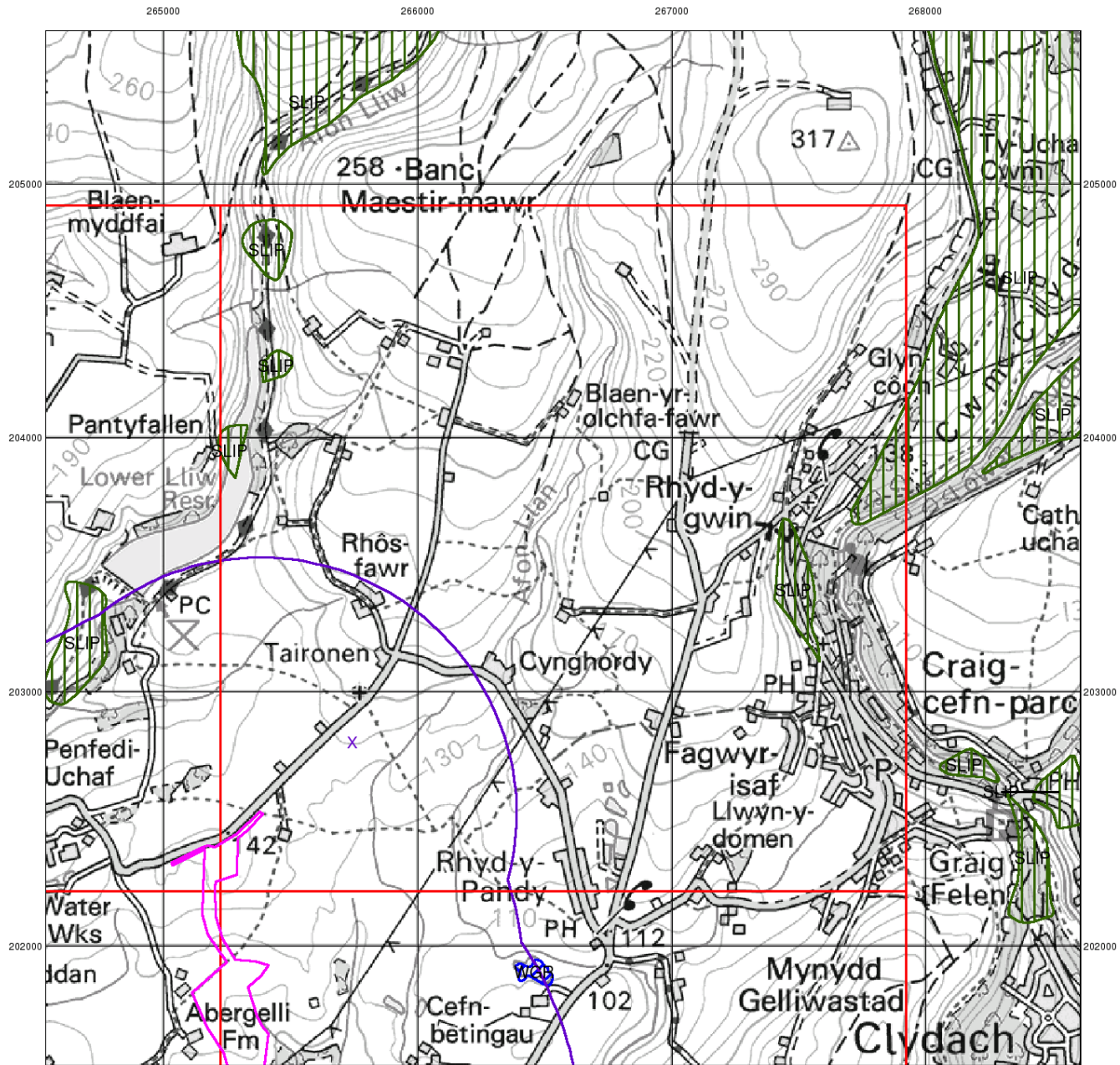
### Site Details:

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

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## Artificial Ground and Landslip

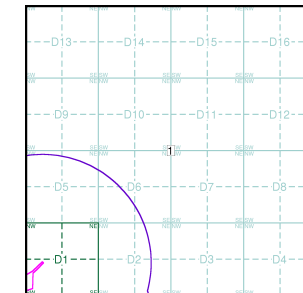
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



### Order Details:

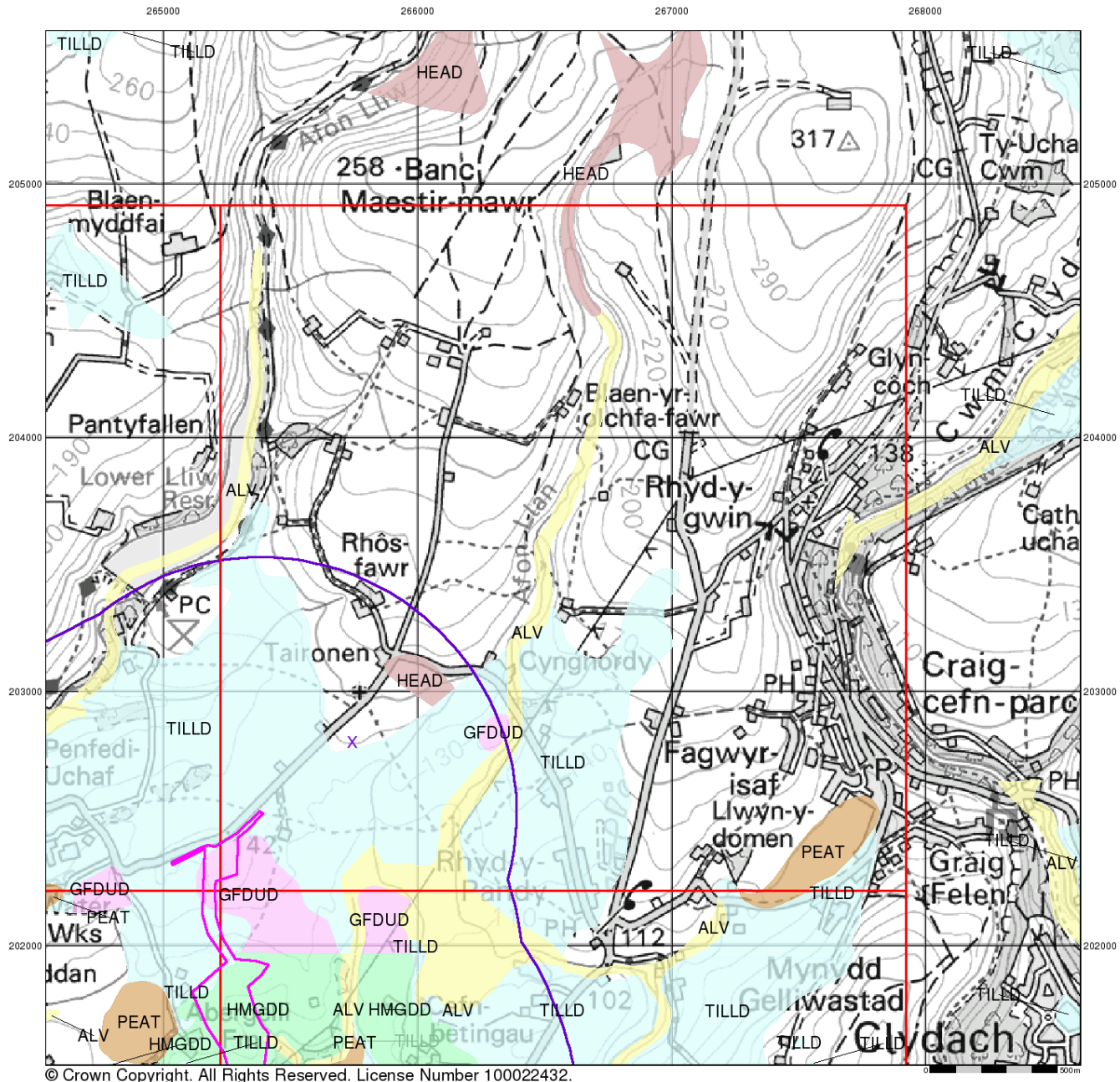
Order Number: 142844199\_1\_1  
 Customer Reference: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

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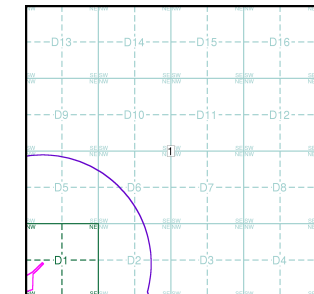
## Superficial Geology

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 D



### Order Details:

Order Number: 142844199\_1\_1  
 Customer Reference: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

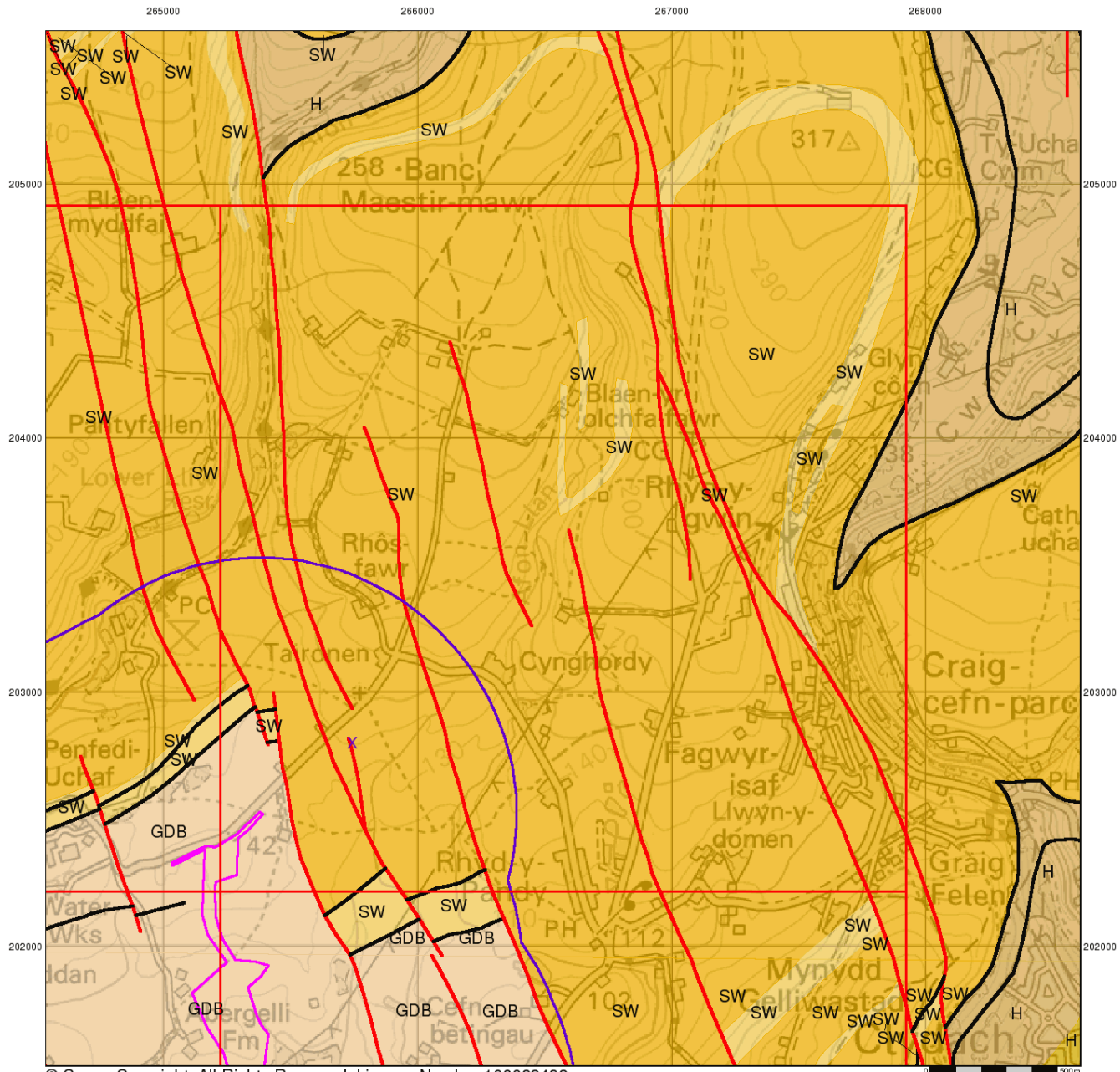
### Site Details:

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## Bedrock and Faults

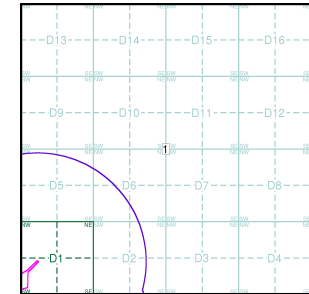
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

## Bedrock and Faults Map - Slice D



## Order Details:

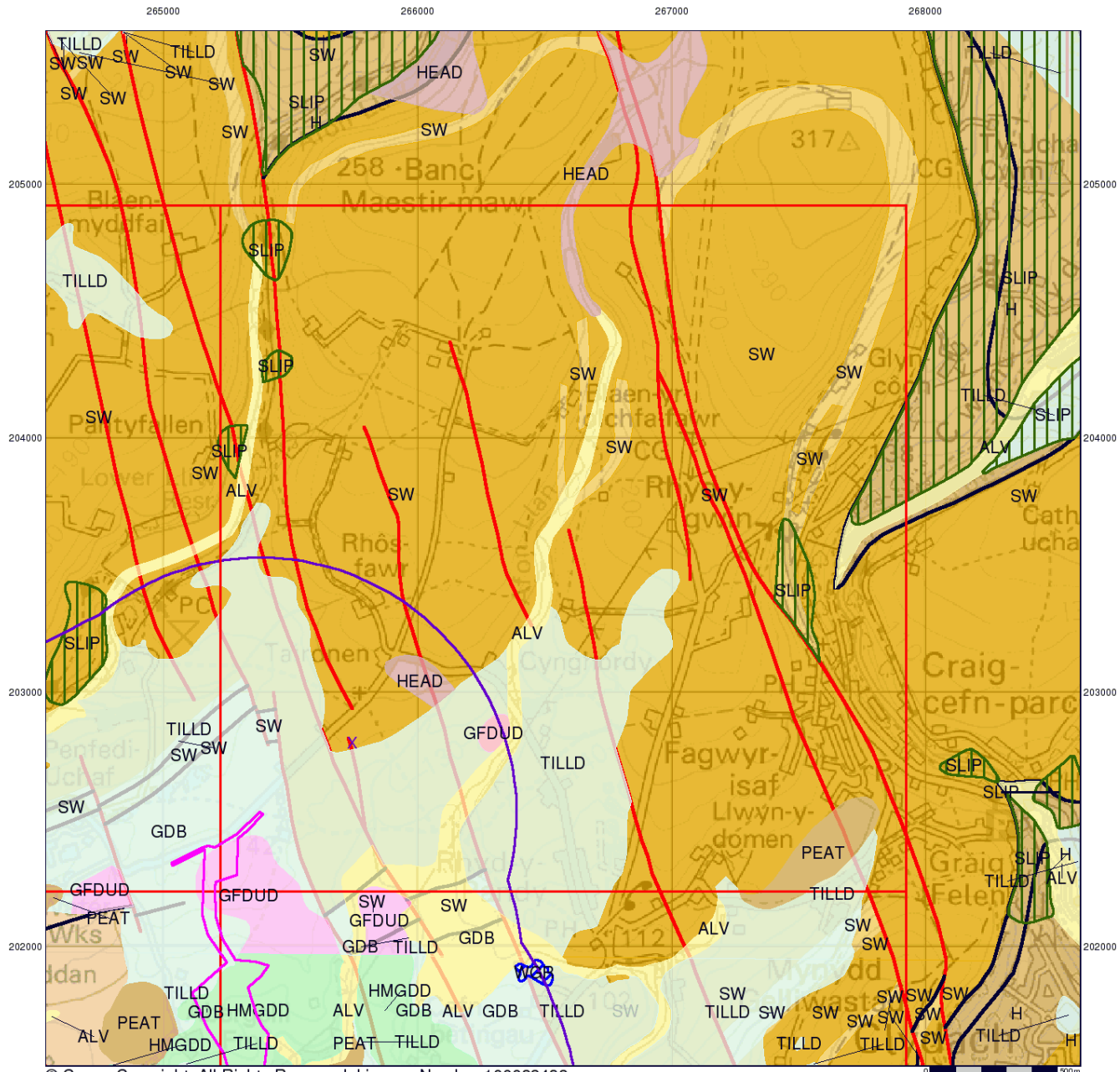
Order Number: 142844199\_1\_1  
 Customer Reference: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
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## Combined Surface Geology

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.

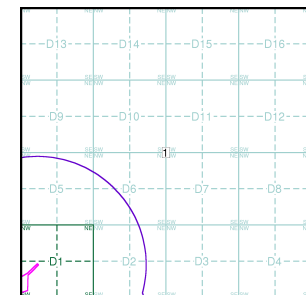
## Additional Information

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 D



## Order Details:

Order Number:	142844199_1_1
Customer Reference:	60542910
National Grid Reference:	265740, 202800
Slice:	D
Site Area (Ha):	32.39
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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		
	<b>-285</b> 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
	Coppice		
	Bracken		Heath
	Rough Grassland		
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		
	Standard Gauge Single Track		
	Siding, Tramway or Mineral Line		
	Narrow Gauge		
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W 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
	MHW(S) Mean high water (springs)		MLW(S) Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

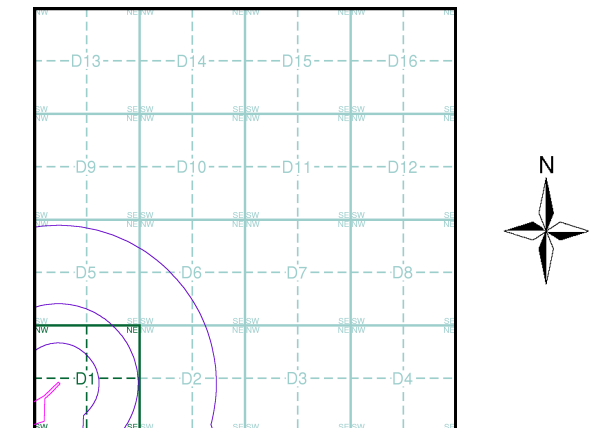
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## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1938	6
Glamorganshire	1:10,560	1953	7
Ordnance Survey Plan	1:10,000	1964	8
Ordnance Survey Plan	1:10,000	1976	9
Swansea	1:10,000	1976	10
10K Raster Mapping	1:10,000	1999	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2017	13

## Historical Map - Slice D



## Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

## Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

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# Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Fireproof Building		Prominent Fireproof Building
	Non-fireproof Building		Non-fireproof Building (non-dwelling)
	Factory, mill, and flour mill, with chimneys		Factory, mill, and flour mill, without chimneys
	Power Station, drawn to scale		Hydroelectric Power Station
	Radio Station, drawn to scale		Telephone Station, drawn to scale
	Abandoned Open-pit Mine or Quarry		Open-pit Salt Mine
	Pit		Oil Deposit or Well
	Oil Seepage		Natural Gas Tank
	Tailings Pile		Fuel Storage Tanks
	Bench Mark		Drill Hole
	Burial Mound		Triangulation Point on Burial Mound
	Single-track Railroad		Double-track Railroad
	Small Bridge		Pipe (Culvert)
	Tunnel		Railroad and Station Building
	Coniferous Forest		Deciduous Forest
	Mixed Forest		Lawns
	Citrus Orchard		Wet Ground
	Scattered Vegetation		

**243,8** Values for prominent elevations  
**186.0** Numbers for spot elevations, depth soundings, contour lines, etc.  
**0,2** Velocity of the current, width of river bed, depth of river  
**180/12** Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

<b>А а (A)</b>	<b>З з (Z)</b>	<b>П п (P)</b>	<b>Ч ч (CH)</b>
<b>Б б (B)</b>	<b>И и (I)</b>	<b>Р р (R)</b>	<b>Ш ш (SH)</b>
<b>В в (V)</b>	<b>Й й (Y)</b>	<b>С с (S)</b>	<b>Щ щ (SHCH)</b>
<b>Г г (G)</b>	<b>К к (K)</b>	<b>Т т (T)</b>	<b>Ъ (-)</b>
<b>Д д (D)</b>	<b>Л л (L)</b>	<b>У у (U)</b>	<b>Ы (Y)</b>
<b>Е е (E)</b>	<b>М м (M)</b>	<b>Ф ф (F)</b>	<b>Ь (')</b>
<b>Ё ё (YO)</b>	<b>Н н (N)</b>	<b>Х х (KH)</b>	<b>Э э (E)</b>
<b>Ж ж (ZH)</b>	<b>О о (O)</b>	<b>Ц ц (TS)</b>	<b>Ю ю (YU or IU)</b>
			<b>Я я (YA or IA)</b>

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Partly Demolished Buildings		Demolished Buildings
	Built-Up Area with Fireproof Buildings Predominant		Built-Up Area with Non-Fireproof Buildings Predominant
	Individual Fireproof Building		Prominent Industrial Building
	Individual Dwelling, Fireproof		Ruins of an Individual Dwelling
	Factory or Mill Chimney		Factory or Mill with Chimney
	Factory or Mill without Chimney		Salt Mine
	Operating Shaft or Mine		Non-Operating Shaft or Mine
	Tailings Pile		Gas Pump or Service Station
	Fuel Storage or Natural Gas Tank		Oil or Natural Gas Derrick
	Small Hydroelectric Power Station		Power Station
	Transformer Station		Cemetery
	Burial Mound (height in metres)		Triangulation Point on Burial Mound
	Triangulation Point		Telegraph Office
	Telephone Station		Radio Station
	Radio Tower		Airfield or Seaplane Base
	Landing Strip		Cut
	Fill		Km Post
	Plantings		Width of Road
	Steep Grade		Highway under Construction
	Improved Dirt Road (former truck road)		Small Bridge
	Pipe (Culvert)		Tunnel
	Dismantled Railroad		Double-track Railroad with First Class Station
	Railroad Under Construction		Shore Embankment
	River or Ditch with Embankment		Water Reservoir or Rain Water Pit
	Spring		Isobath with value
	Heavy (Index) Contour Line		Contour Line and Value
	Half Contour Line		Spot Elevation Value
	Coniferous		Deciduous
	Mixed		Scrub

## Key to Numbers on Mapping

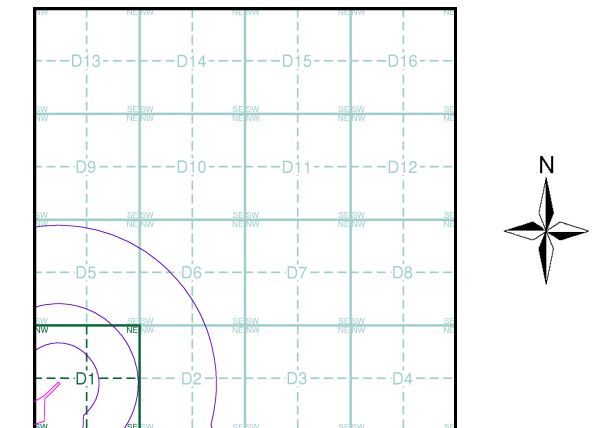
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## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
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Glamorganshire	1:10,560	1953	7
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10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2017	13

## Russian Map - Slice D



## Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
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 Slice: D  
 Site Area (Ha): 32.39  
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## Site Details

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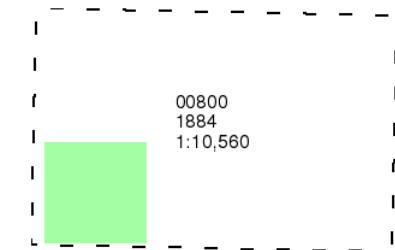
## Glamorganshire

Published 1884

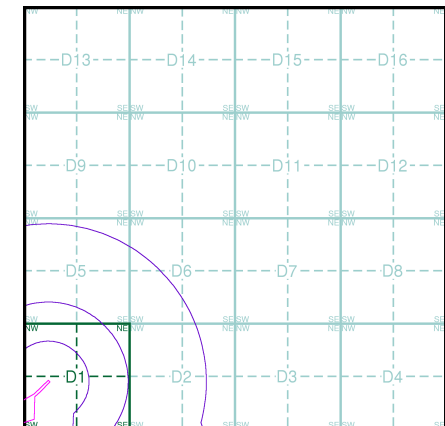
Source map scale - 1:10,560

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

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



### Historical Map - Slice D

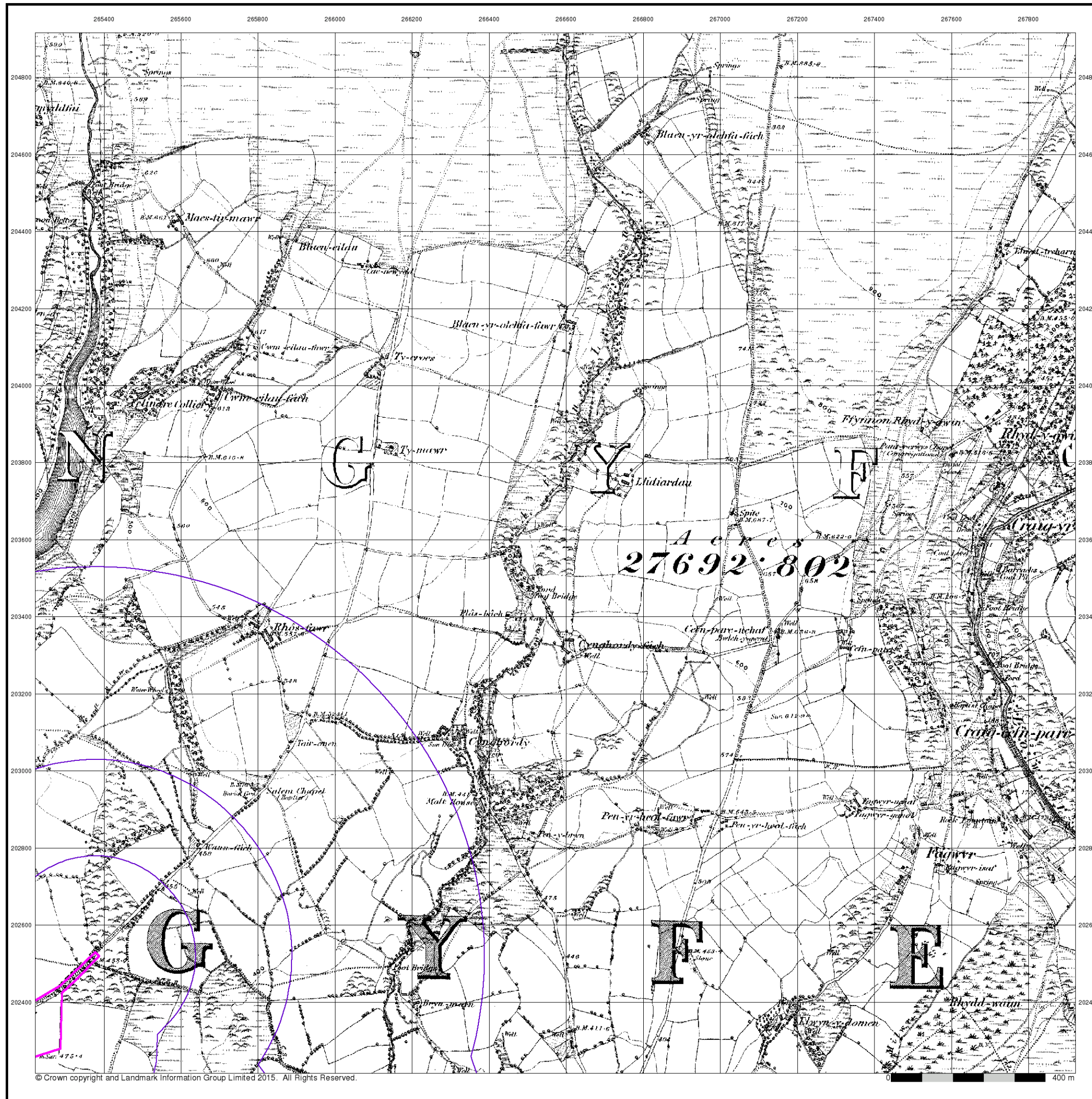


### Order Details

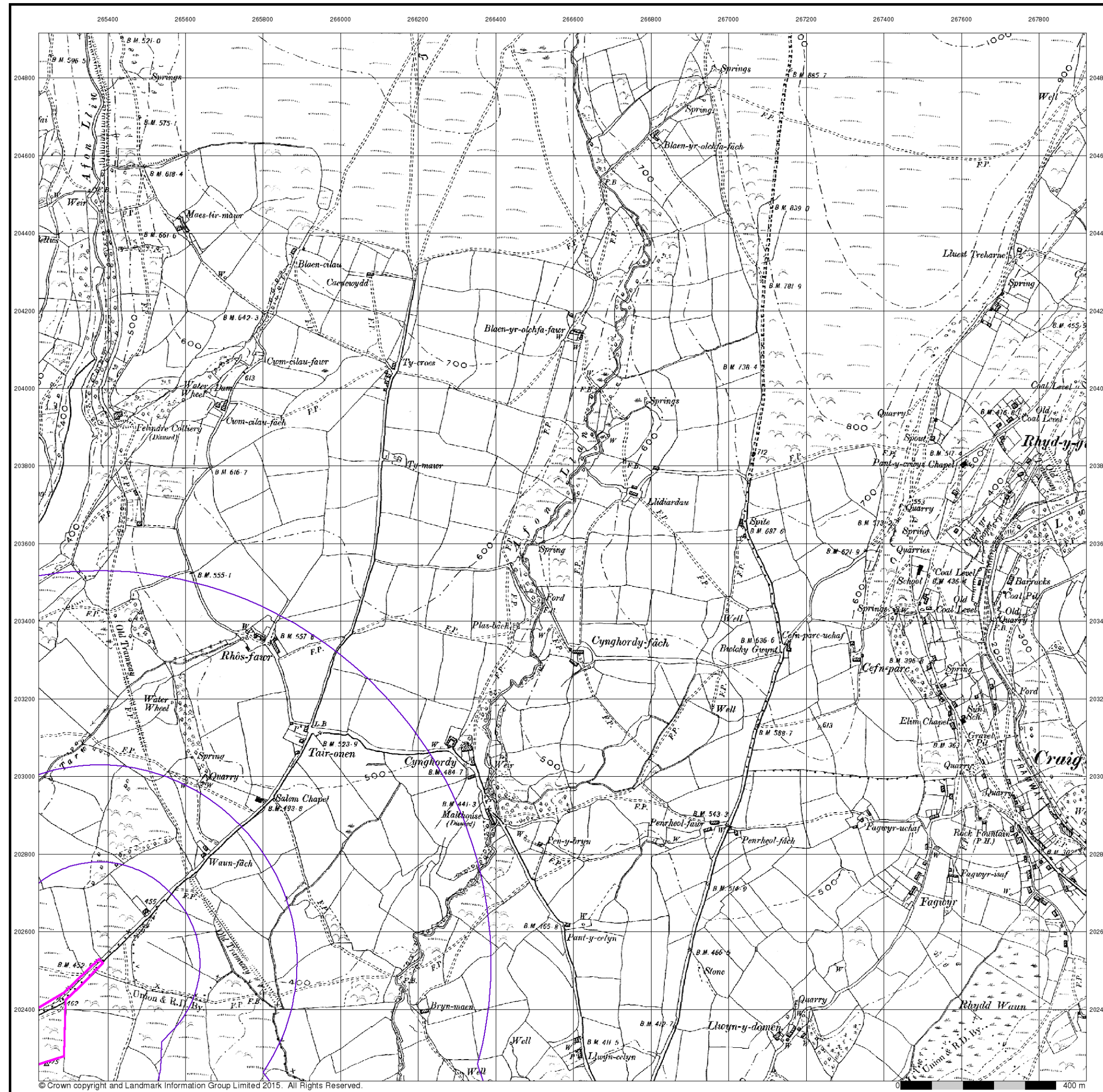
Order Number: 142844199\_1\_1  
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### Site Details

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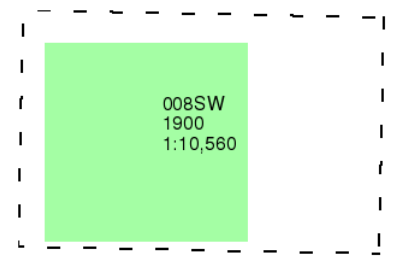
## Glamorganshire

Published 1900

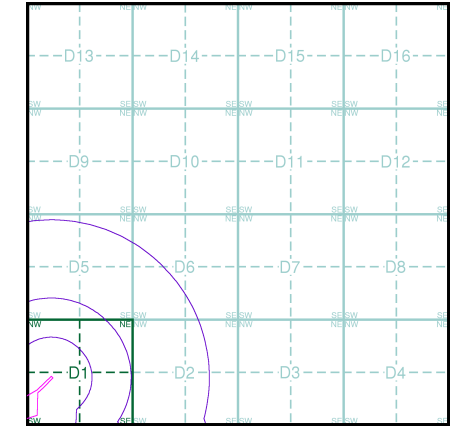
Source map scale - 1:10,560

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

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



### Historical Map - Slice D



### Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

Landmark  
 INFORMATION GROUP

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



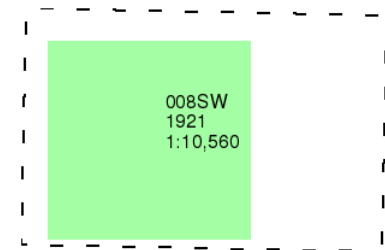
## Glamorganshire

Published 1921

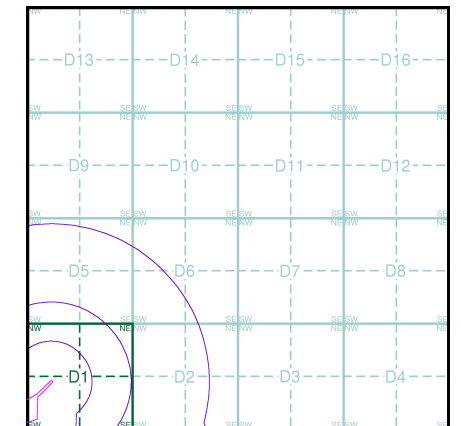
Source map scale - 1:10,560

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

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



### Historical Map - Slice D

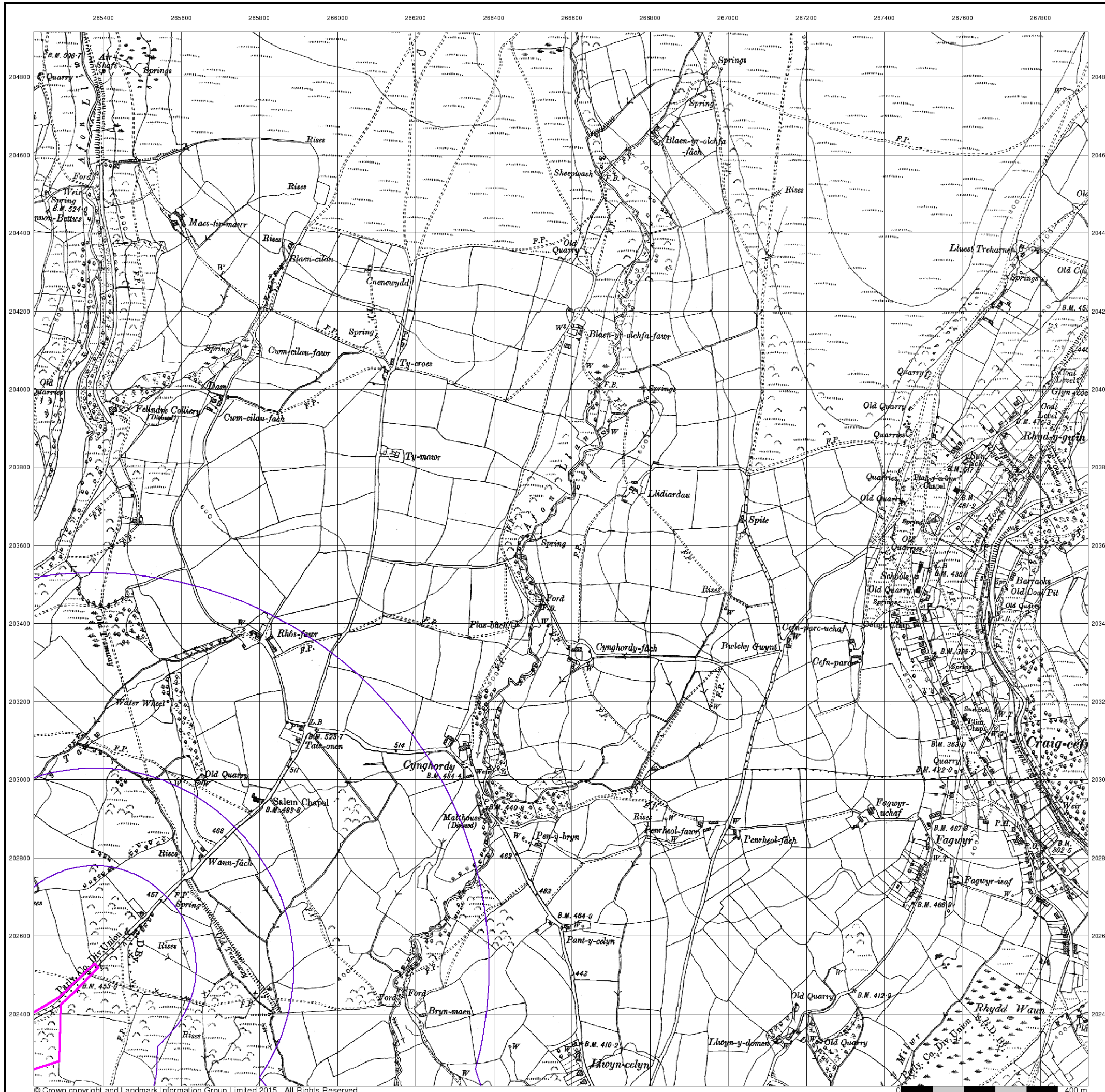


### Order Details

Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265740, 202800  
Slice: D  
Site Area (Ha): 32.39  
Search Buffer (m): 1000

### Site Details

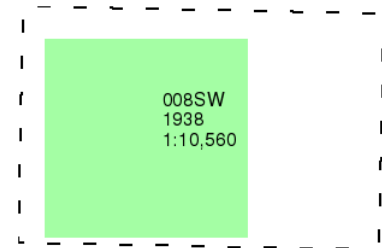
Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



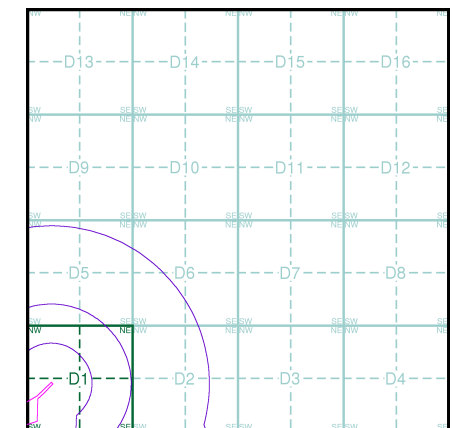


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

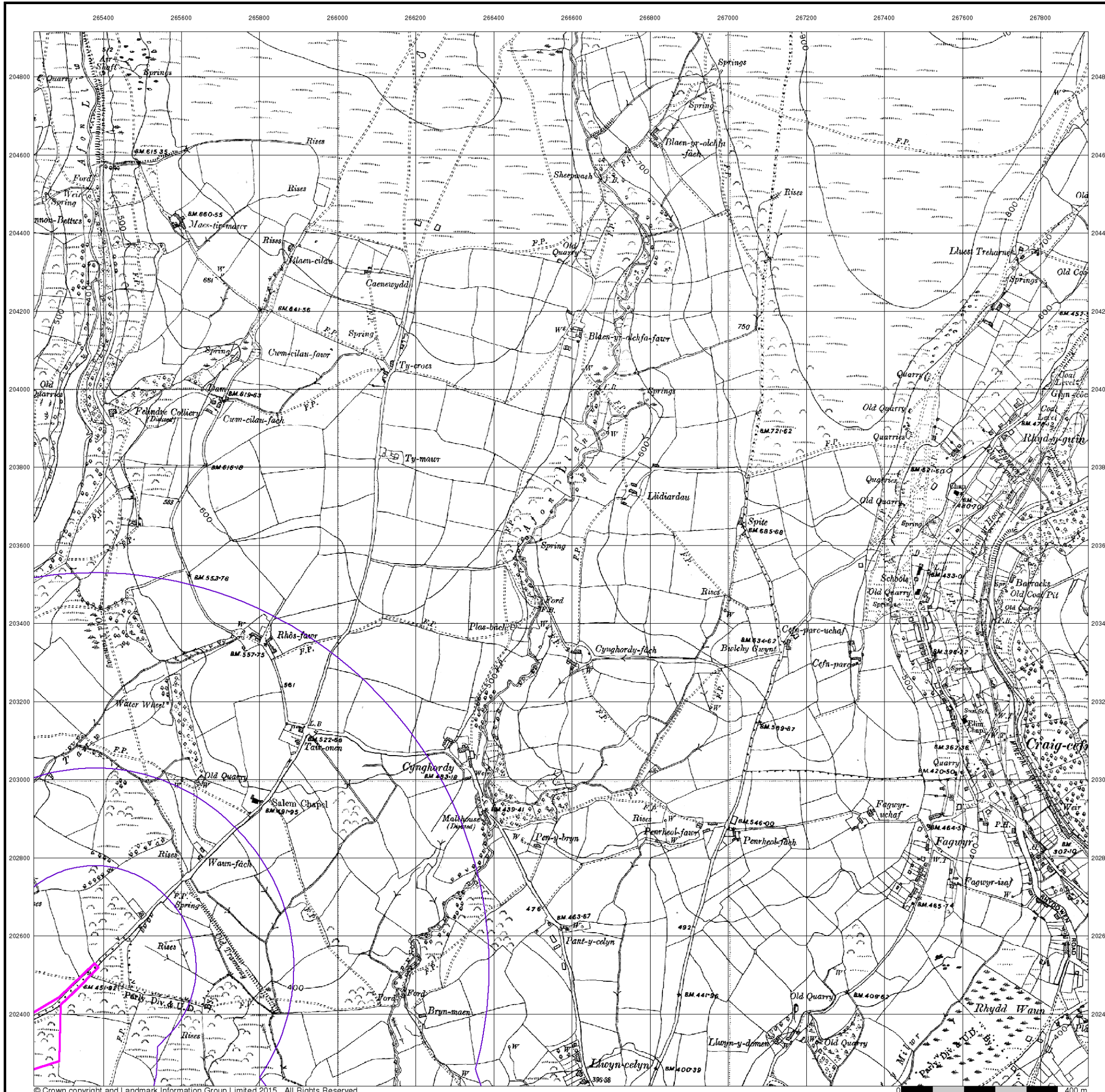


### Order Details

Order Number: 142844199\_1\_1  
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 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details

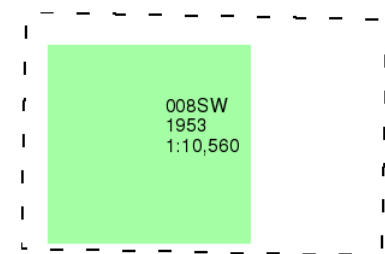
Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



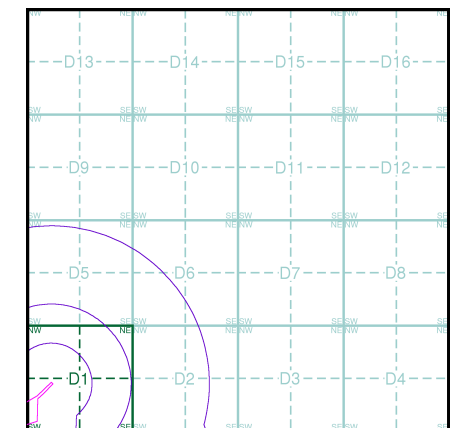


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

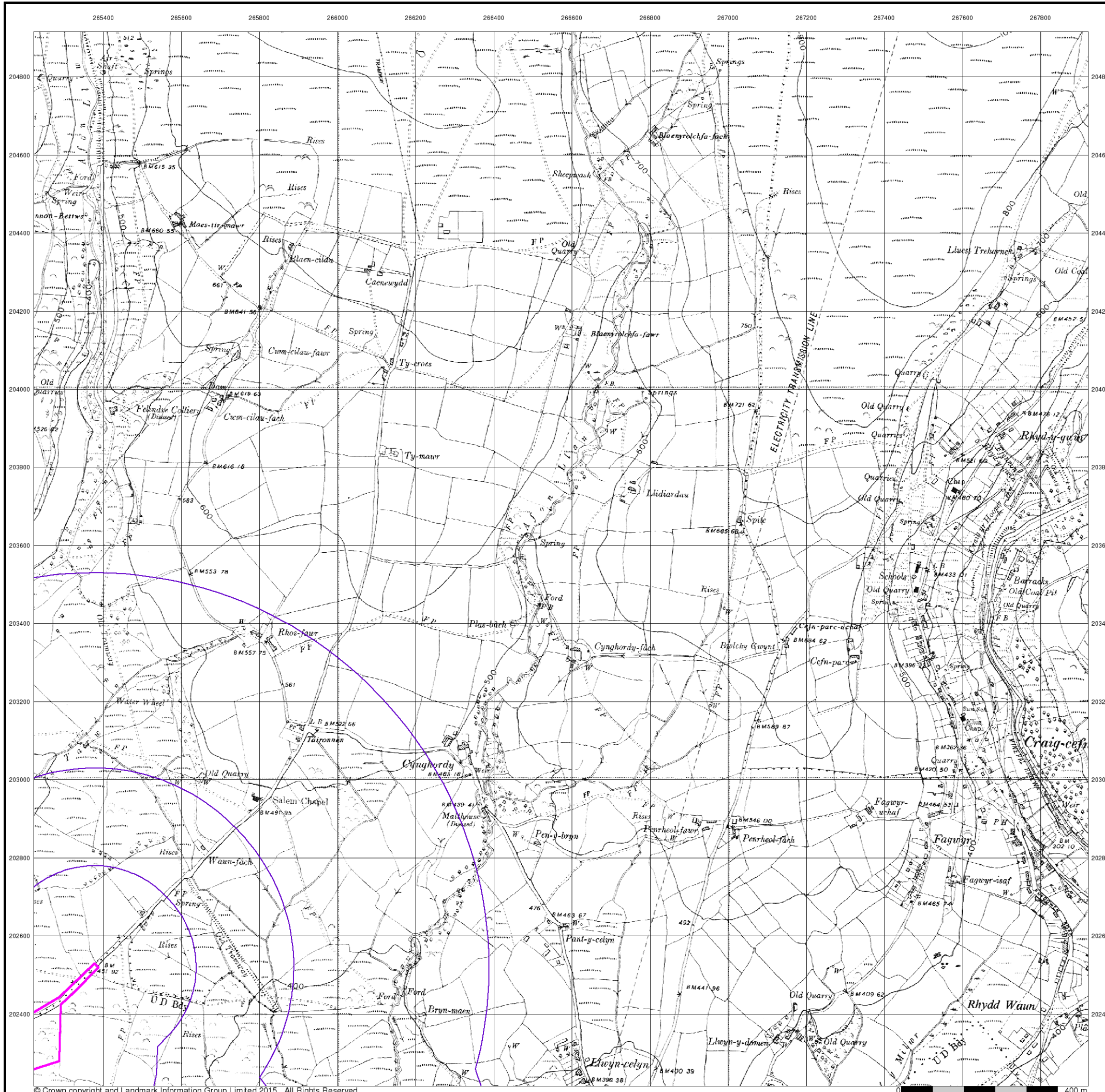


### Order Details

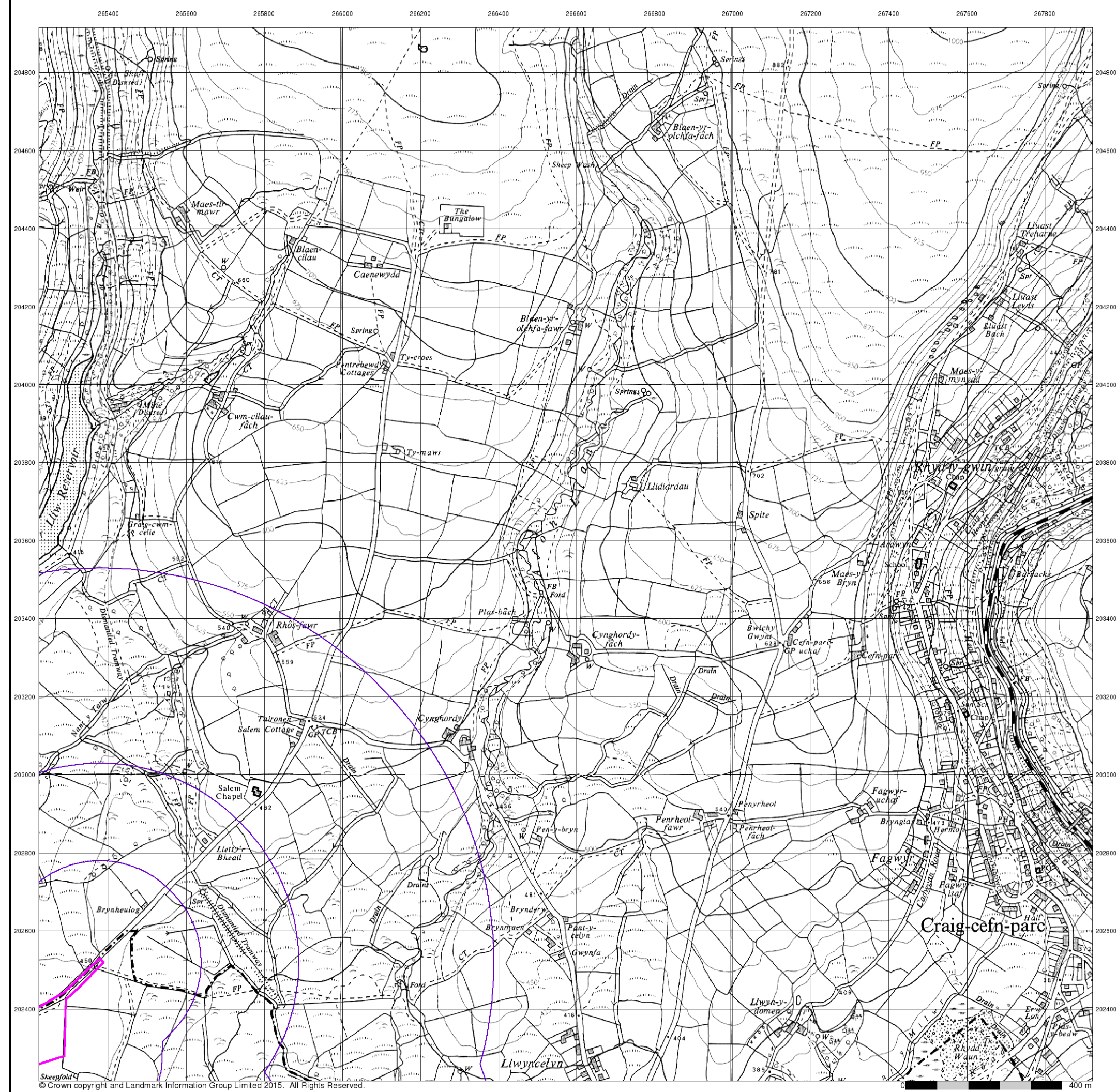
Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265740, 202800  
Slice: D  
Site Area (Ha): 32.39  
Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN







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● LANDMARK INFORMATION GROUP®

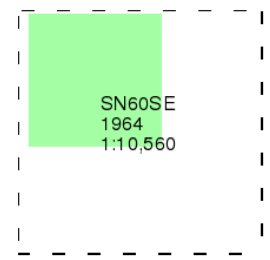
## Ordnance Survey Plan

Published 1964

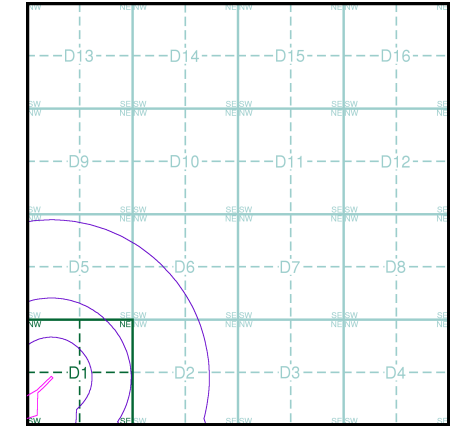
Source map scale - 1:10,000

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 D



### Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

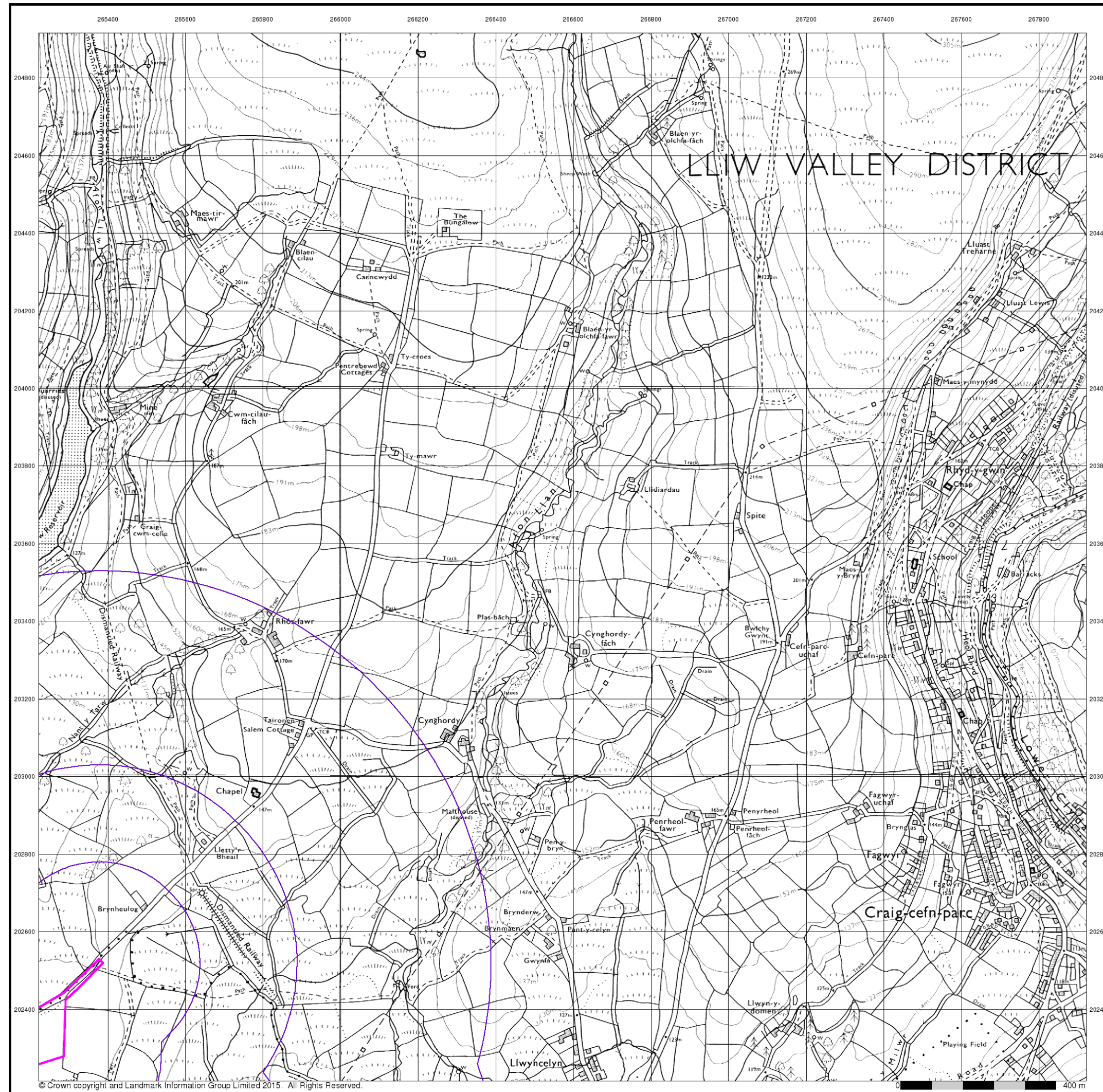
### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

**Landmark**  
 ●●● INFORMATION GROUP

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





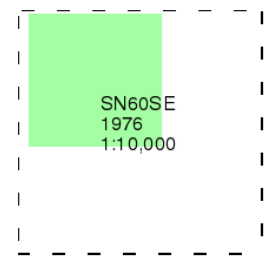
## Ordnance Survey Plan

Published 1976

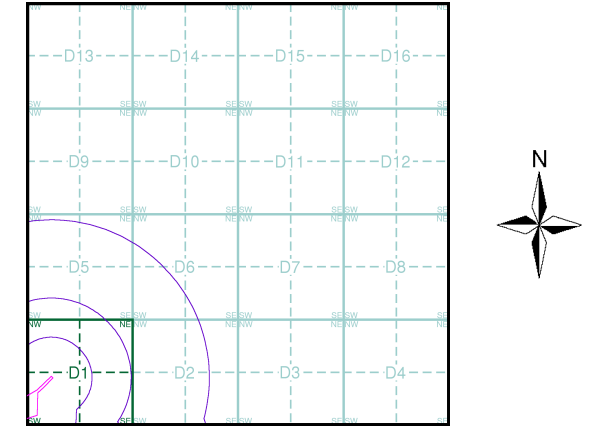
Source map scale - 1:10,000

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 D



#### Order Details

Order Number:	142844199_1_1
Customer Ref:	60542910
National Grid Reference:	265740, 202800
Slice:	D
Site Area (Ha):	32.39
Search Buffer (m):	1000

#### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



## Swansea

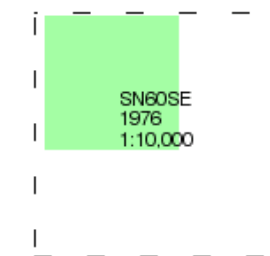
Published 1976

Source map scale - 1:10,000

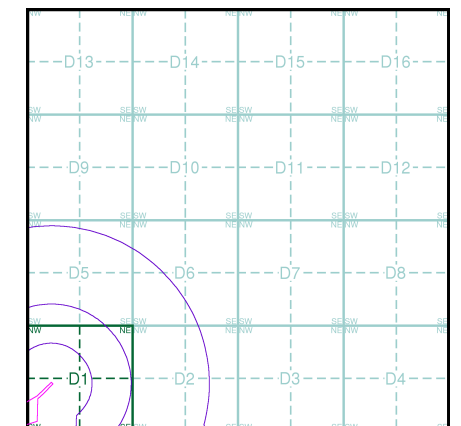
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

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



### Russian Map - Slice D

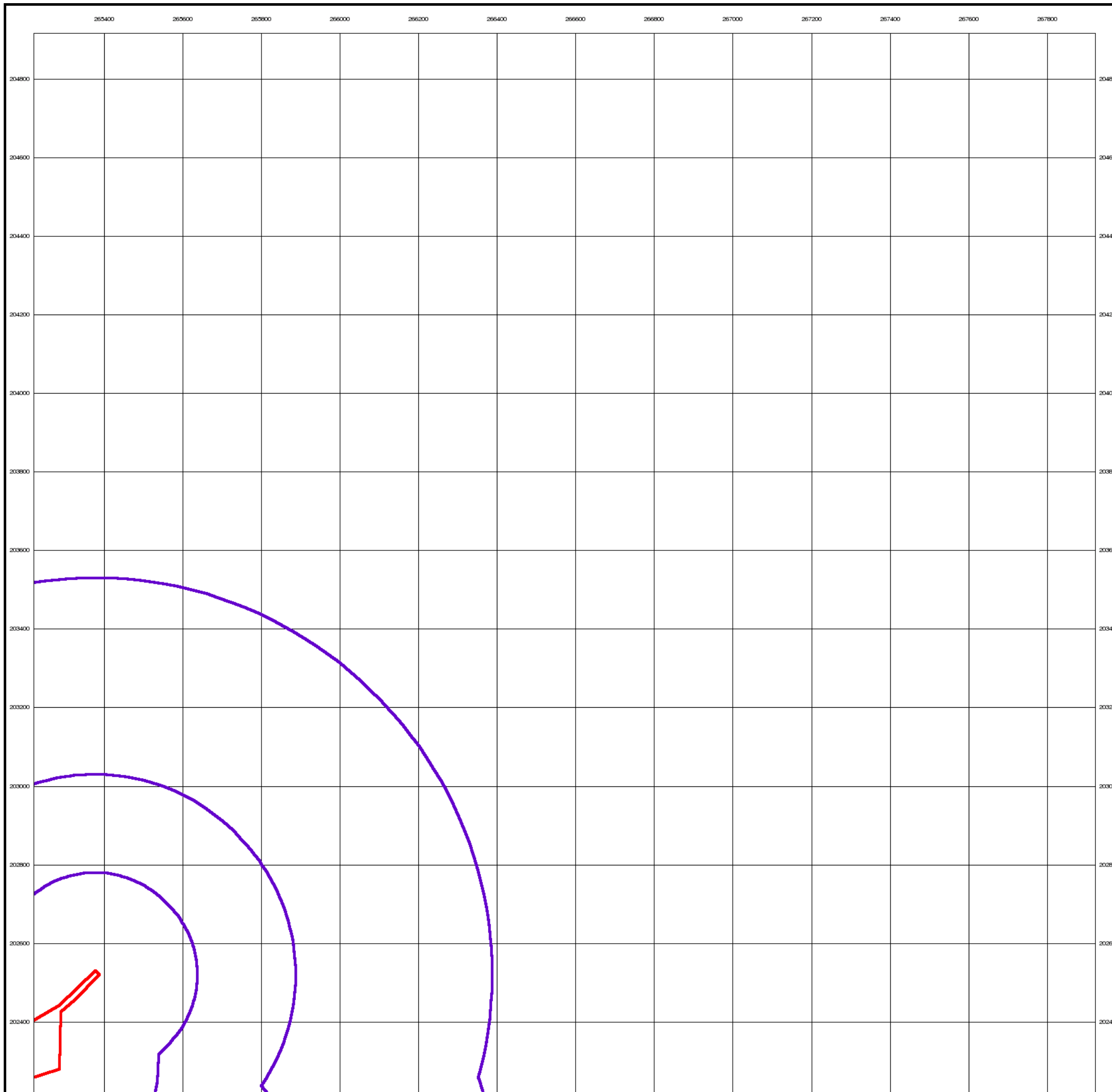


### Order Details

Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265740, 202800  
Slice: D  
Site Area (Ha): 32.39  
Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



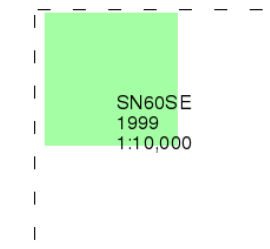
## 10k Raster Mapping

Published 1999

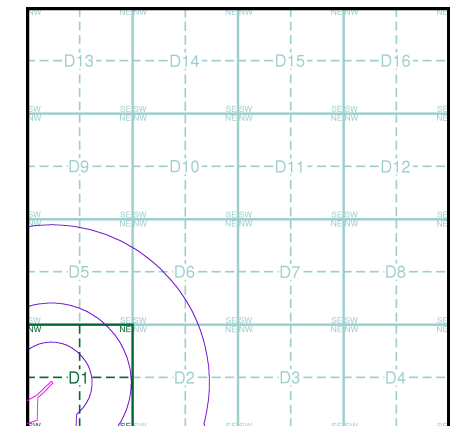
Source map scale - 1:10,000

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)



### Historical Map - Slice D

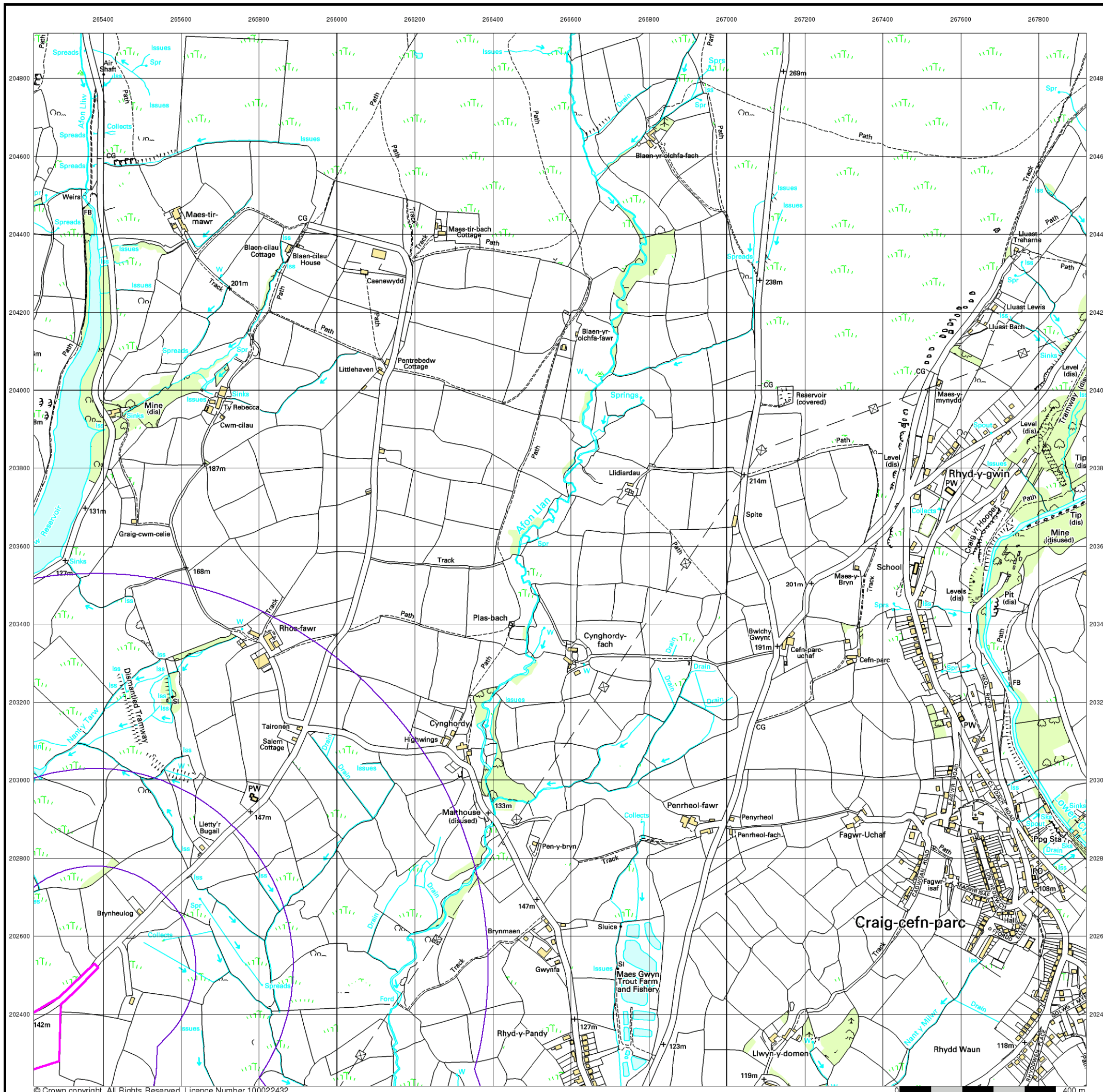


### Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN





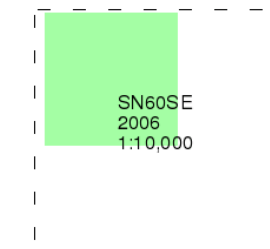
## 10k Raster Mapping

Published 2006

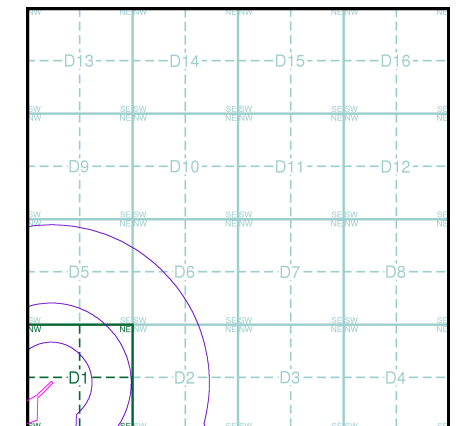
Source map scale - 1:10,000

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)



### Historical Map - Slice D

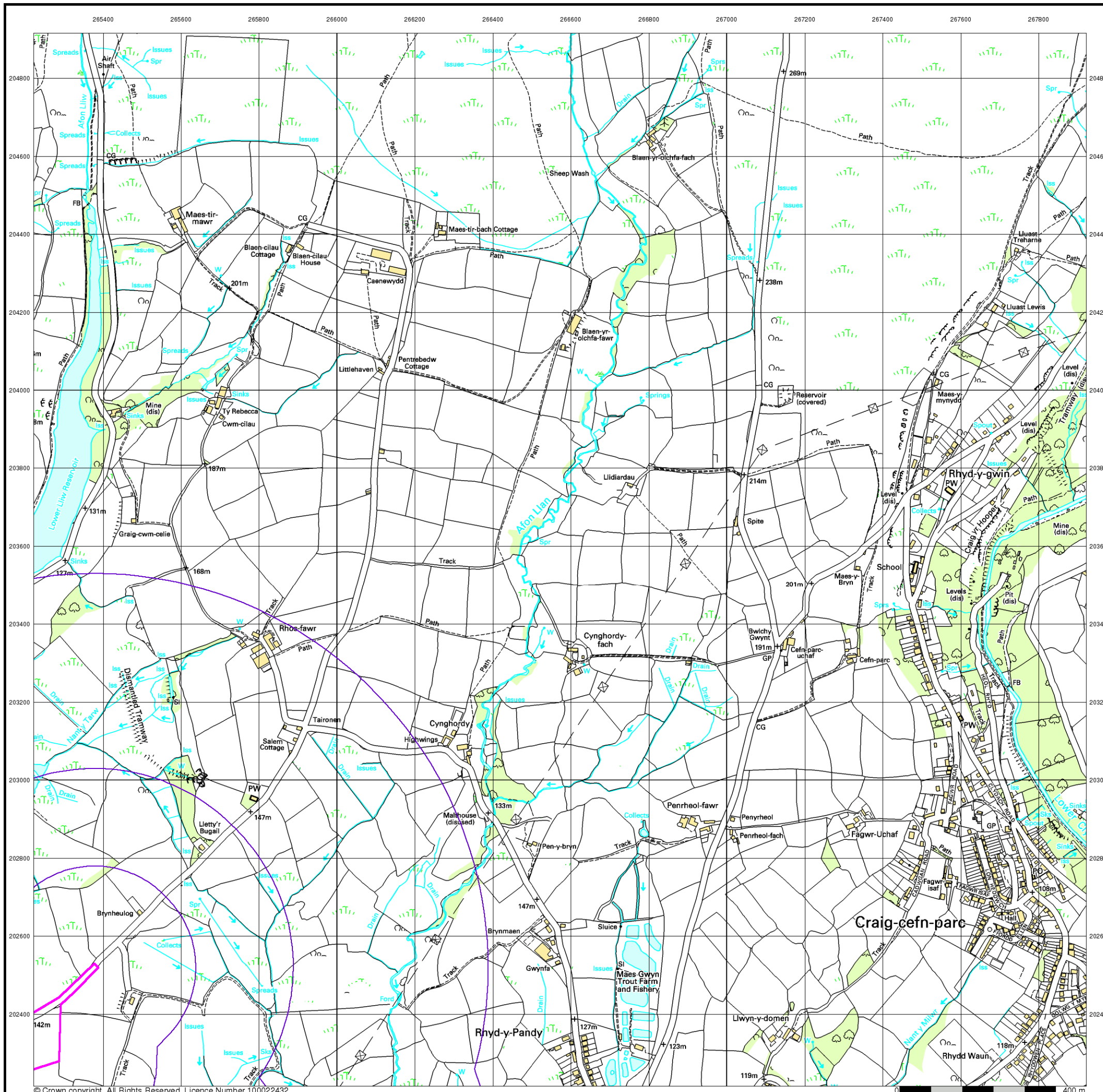


### Order Details

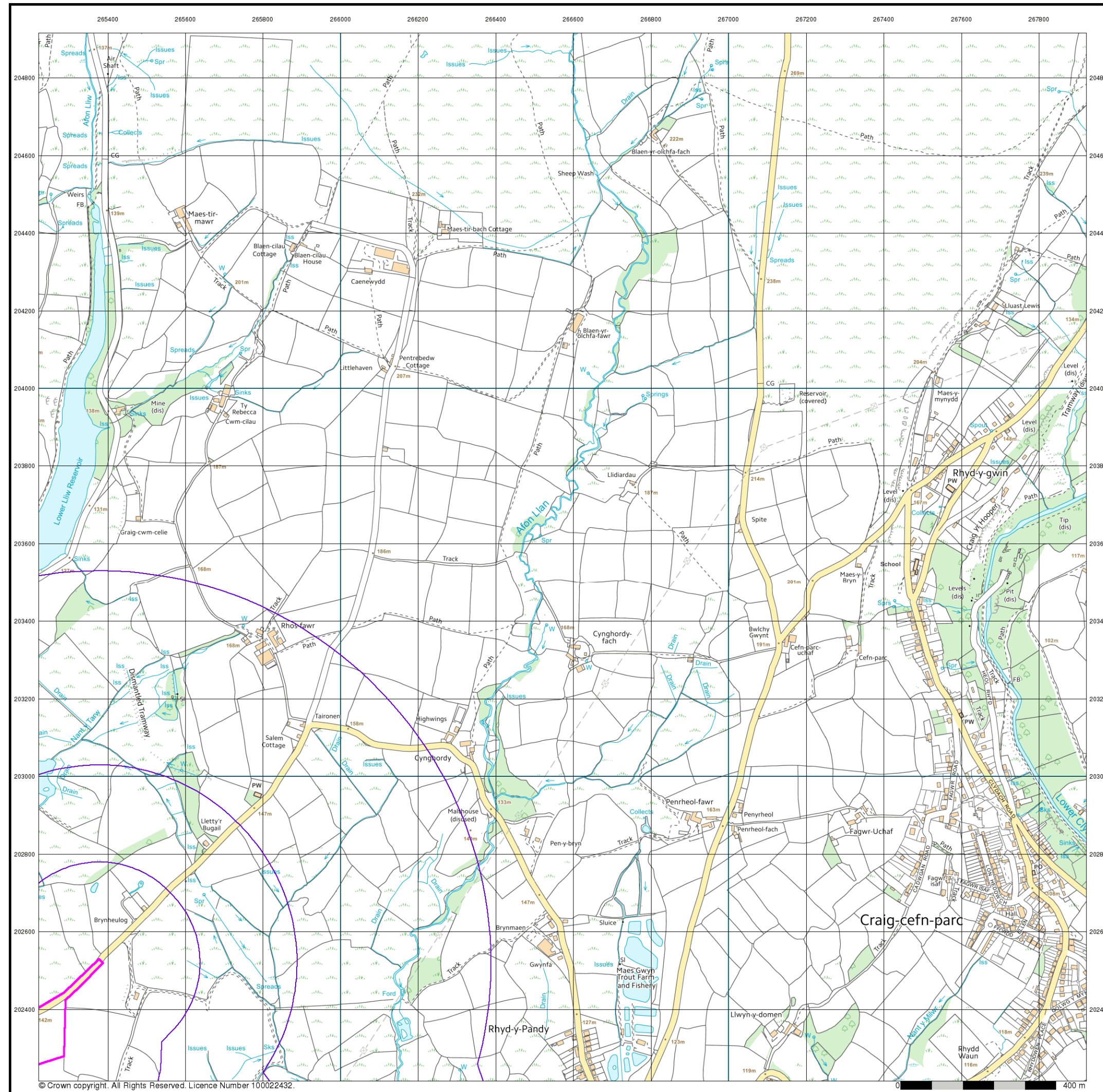
Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265740, 202800  
Slice: D  
Site Area (Ha): 32.39  
Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN







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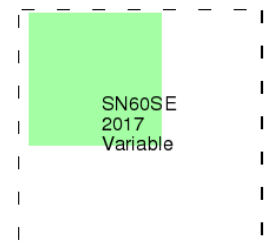
## VectorMap Local

Published 2017

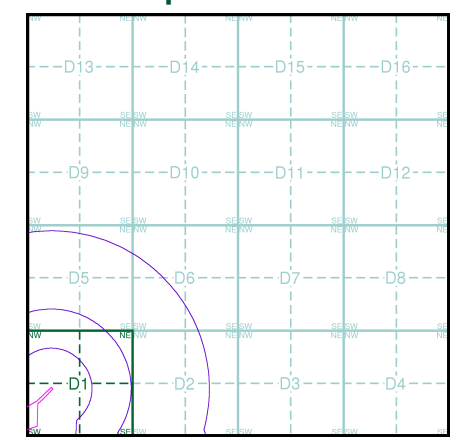
Source map scale - 1:10,000

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 D



### Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

**Landmark**  
 INFORMATION GROUP

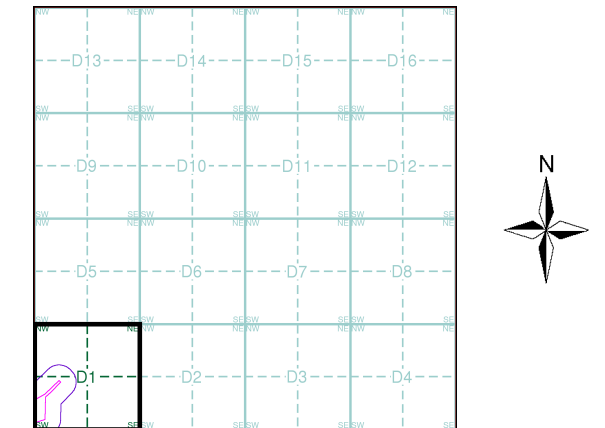
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk





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

## Site Sensitivity Map - Segment D1

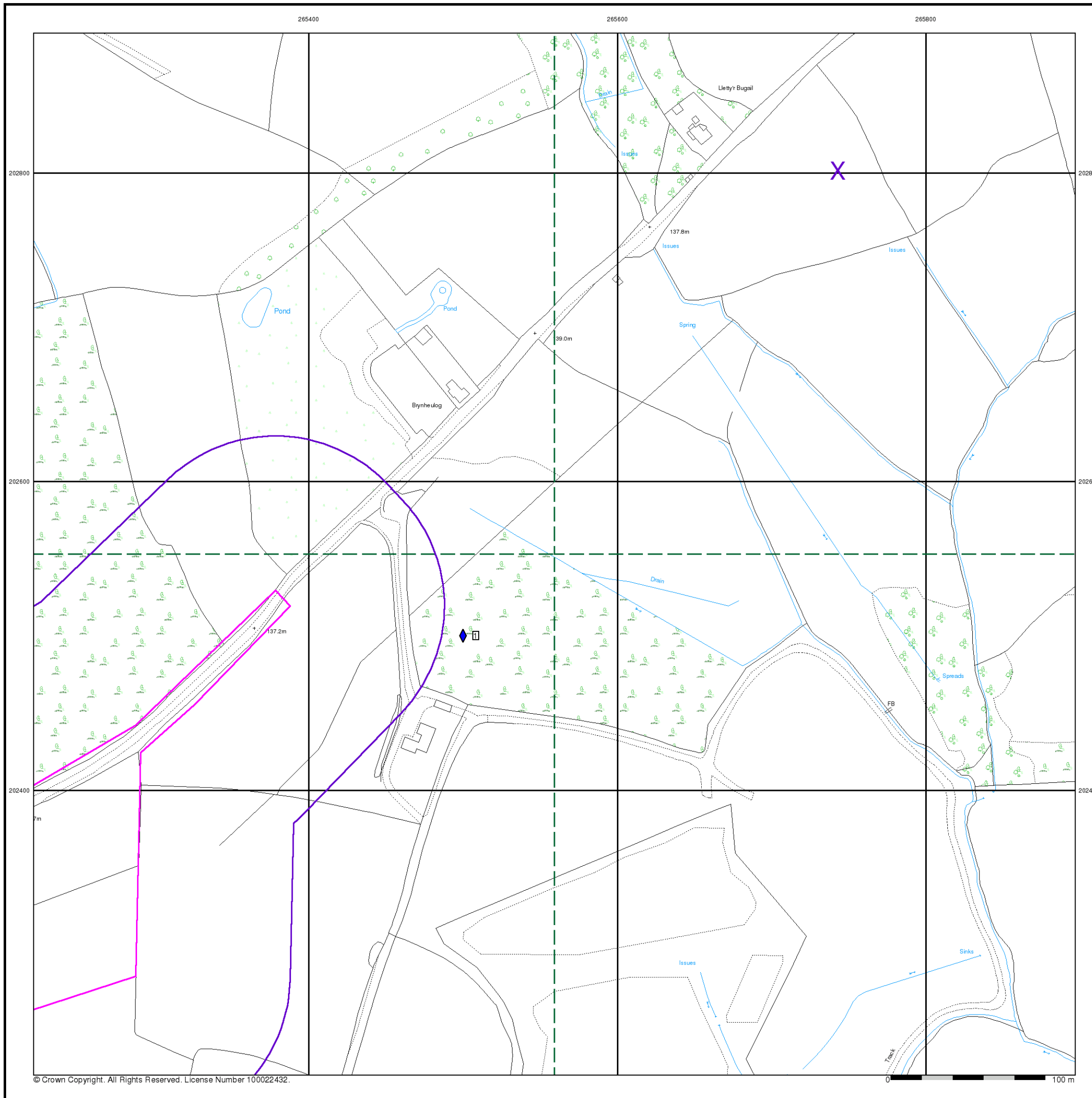


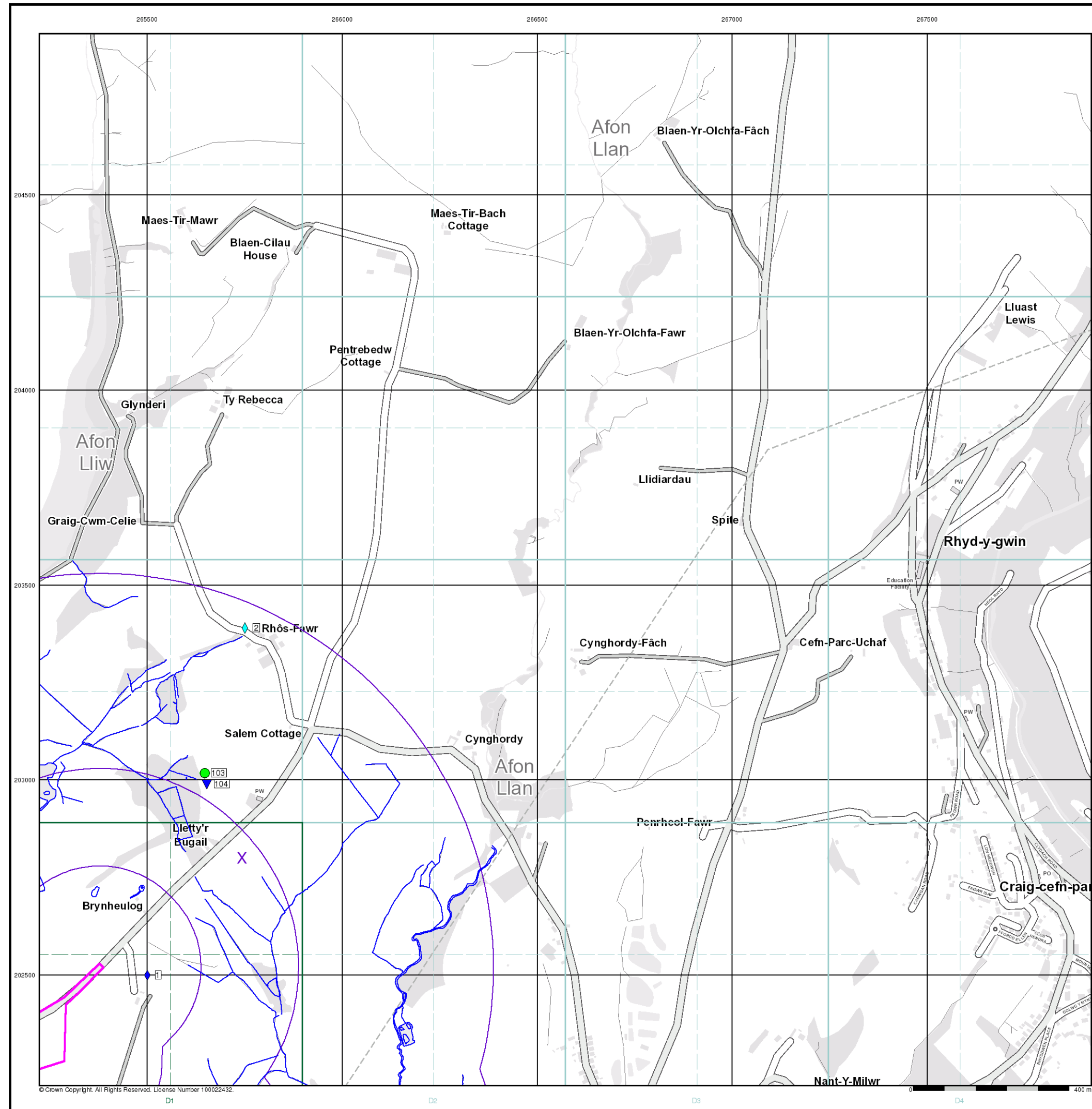
## Order Details

Order Number: 142844199\_1\_1  
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 Slice: D  
 Site Area (Ha): 32.39  
 Plot Buffer (m): 100

## Site Details

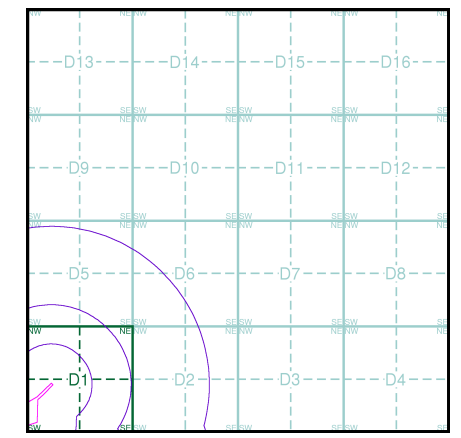
Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN





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

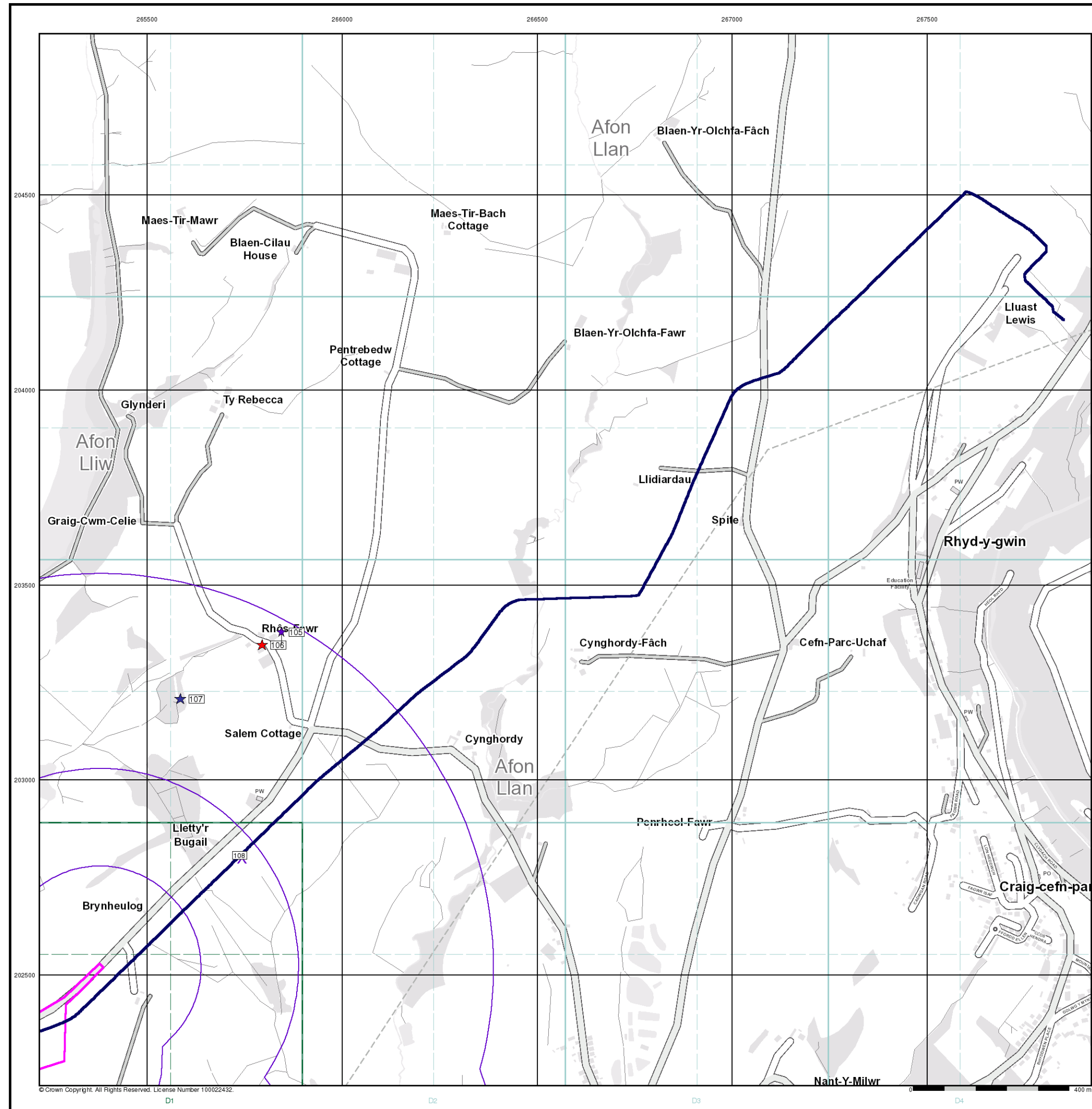
### Site Sensitivity Map - Slice D



**Order Details**

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

**Site Details**  
 Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



## Industrial Land Use Map

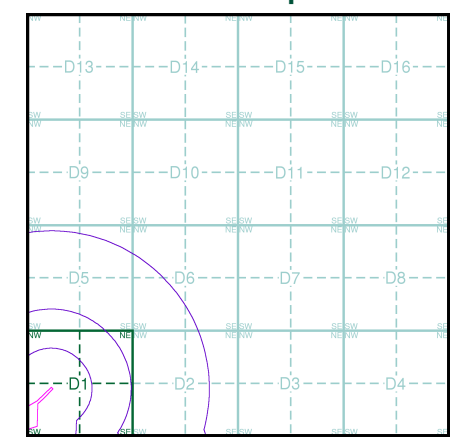
### General

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

### Industrial Land Use

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

### Industrial Land Use Map - Slice D



### Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details






Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



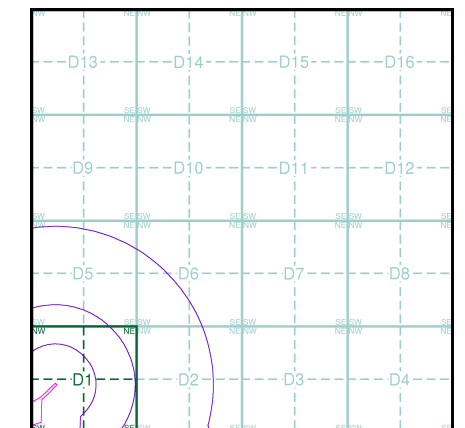
### General

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

### Agency and Hydrological (Flood)

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

### Flood Map - Slice D

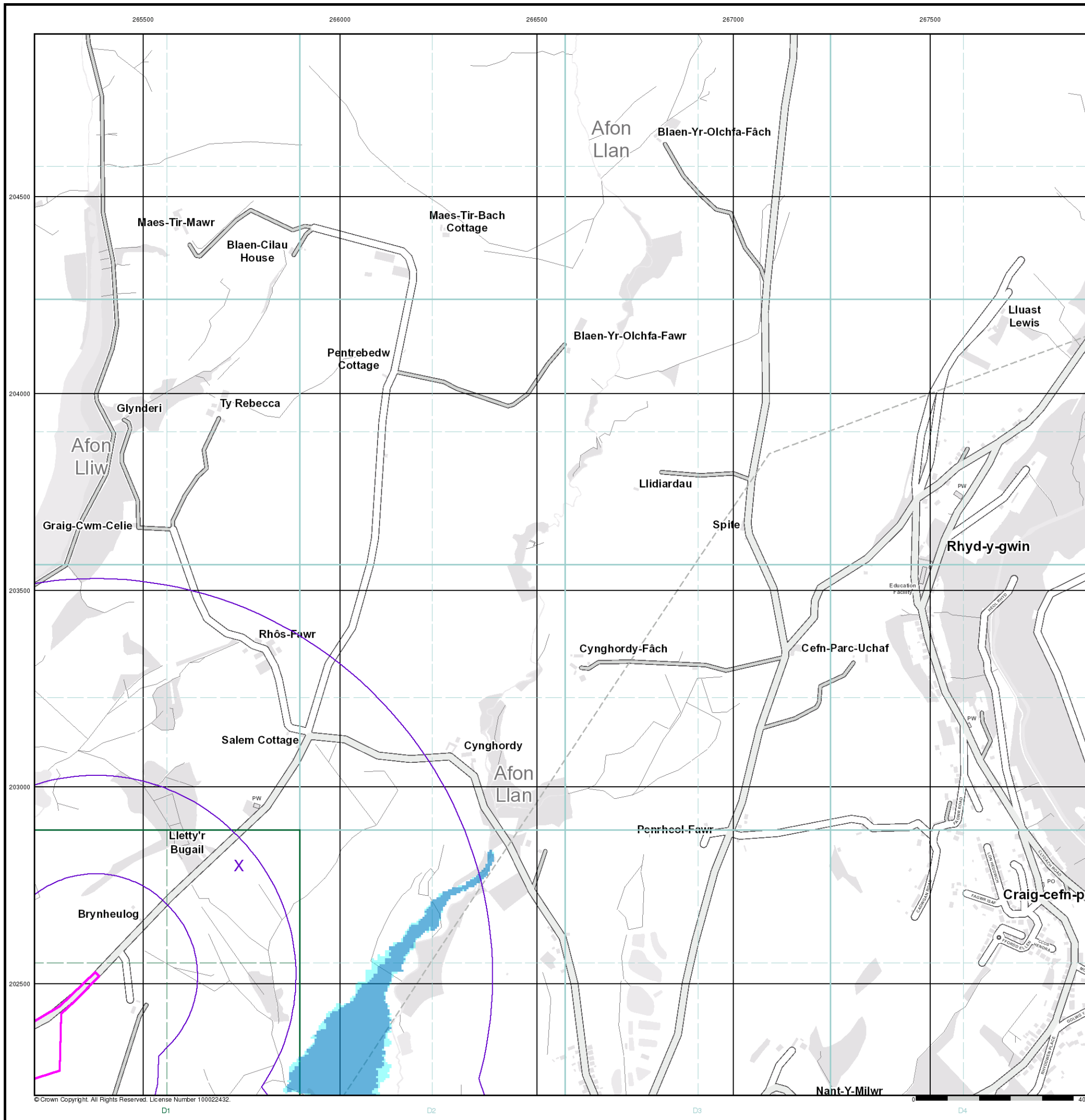


### Order Details

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 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



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### General

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

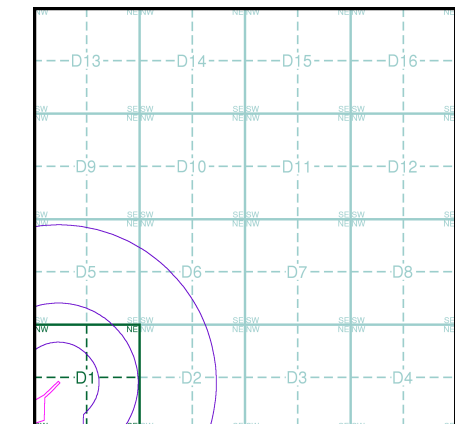
### Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

### Borehole Map - Slice D

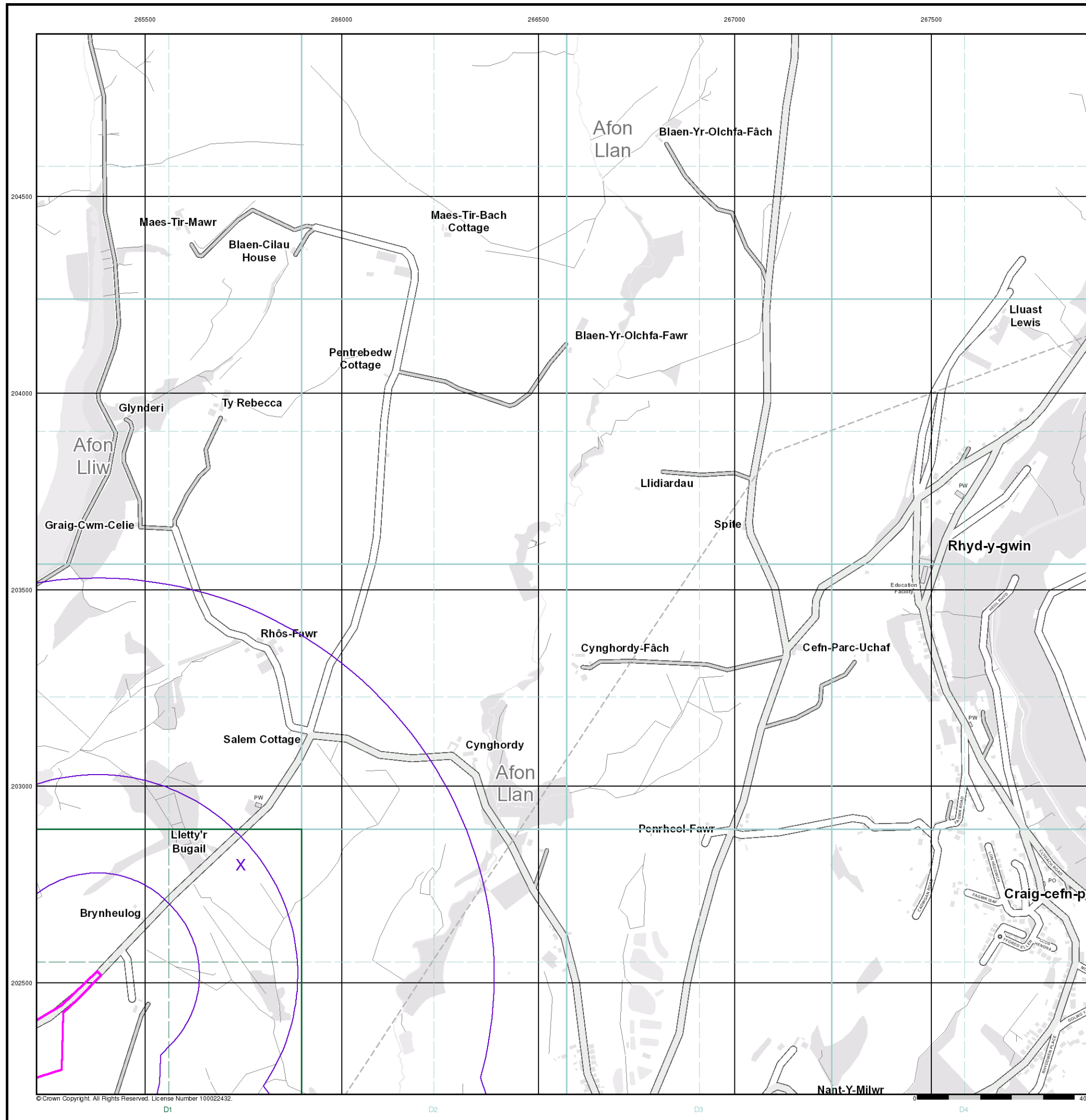


### Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

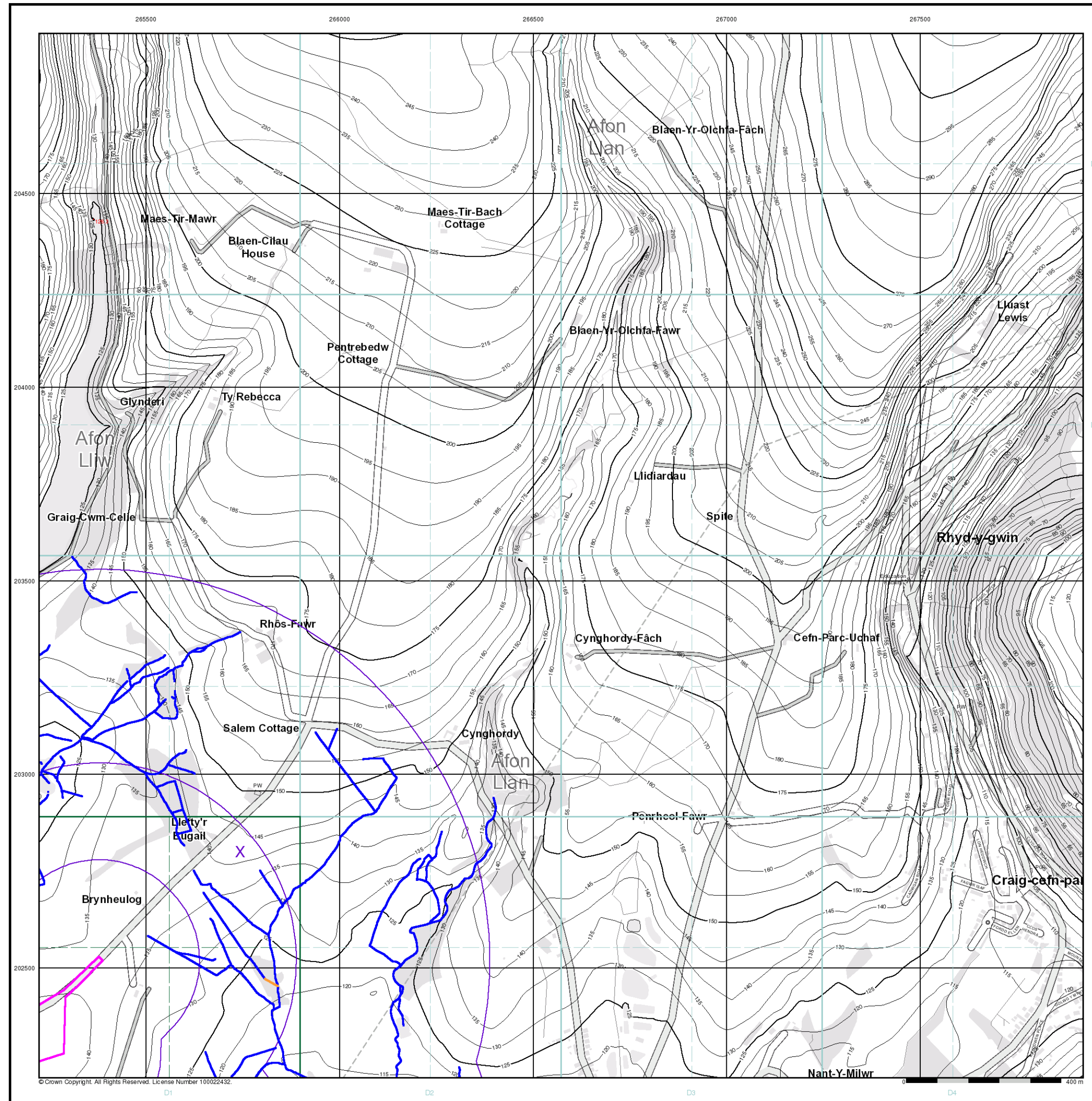
### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



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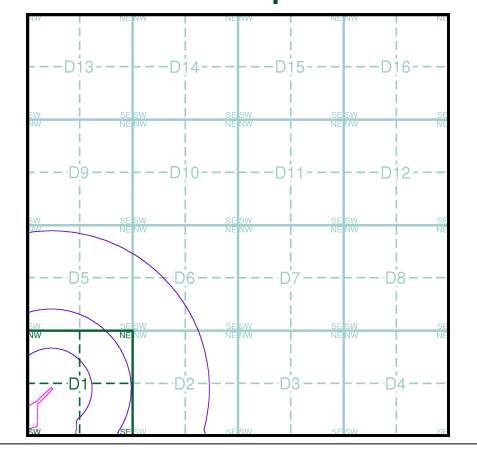


- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point

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

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

**OS Water Network Map - Slice D**



**Order Details**

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

**Site Details**  
 Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

### General

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

### Risk of Flooding from Surface Water

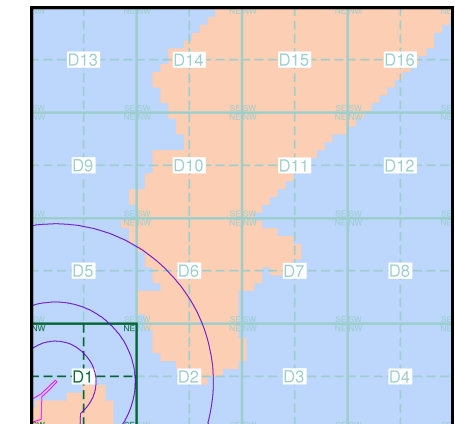
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

### Suitability

See the suitability map below

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

### EANRW Suitability Map - Slice D

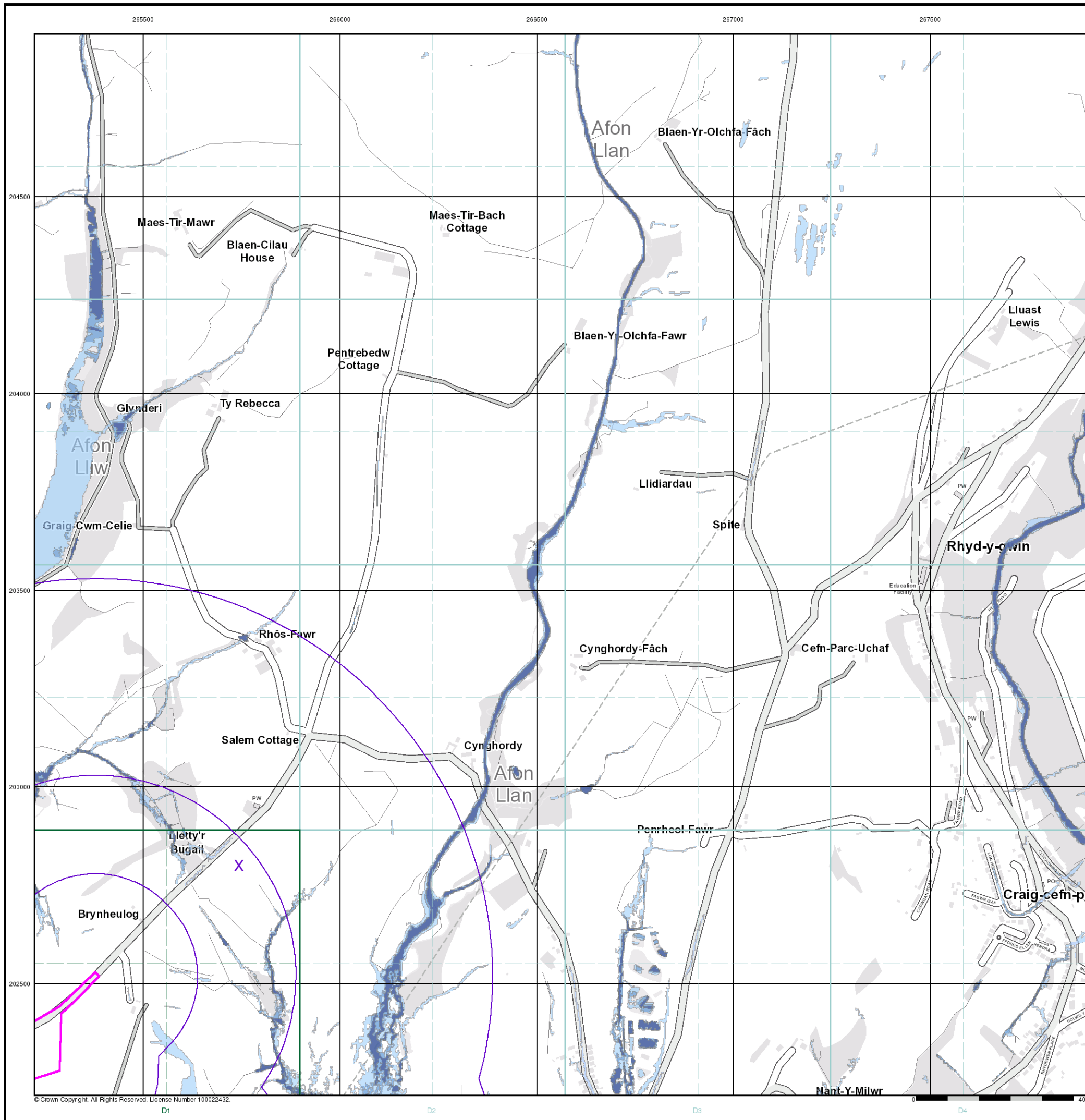


### Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



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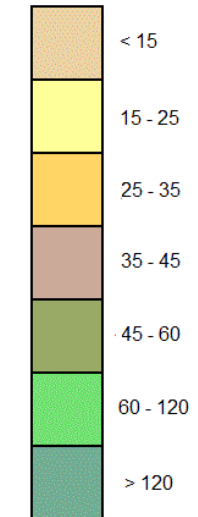


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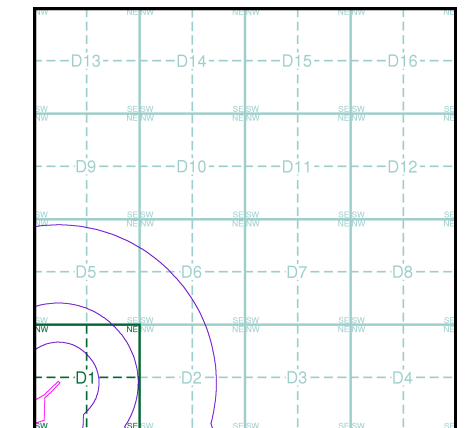
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

## Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



## Estimated Soil Chemistry Arsenic - Slice D

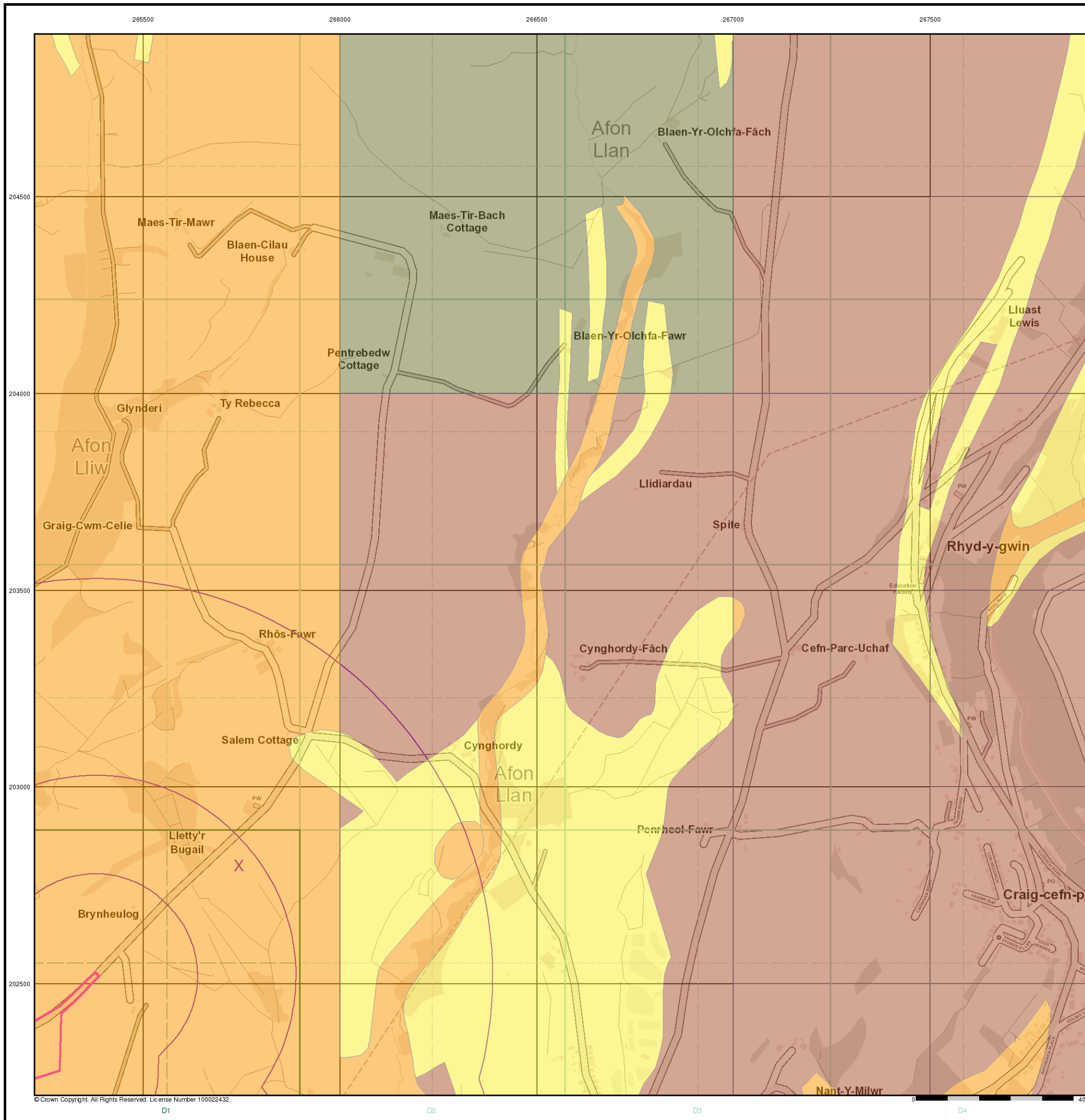


## Order Details

Order Details: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

## Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



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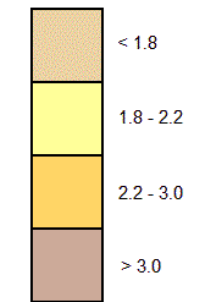


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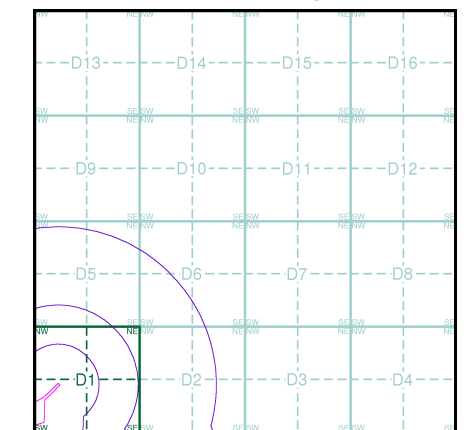
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

### Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



### Estimated Soil Chemistry Cadmium - Slice D

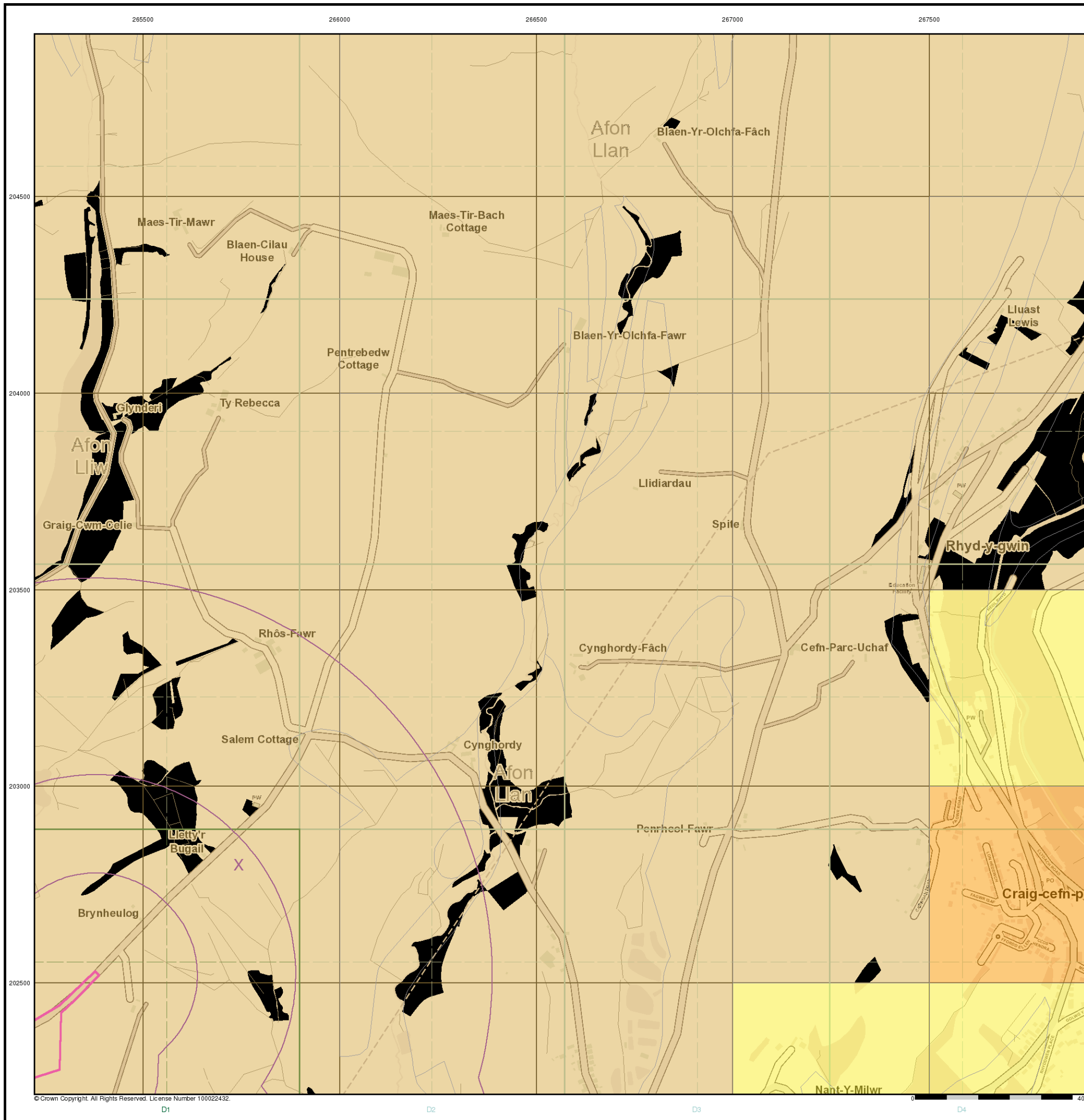


### Order Details

Order Details: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



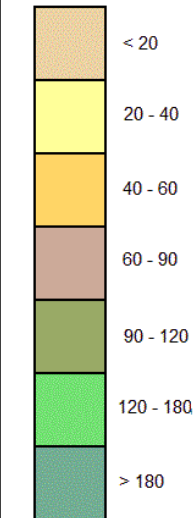
© Crown Copyright. All Rights Reserved. License Number 100022432.

## General

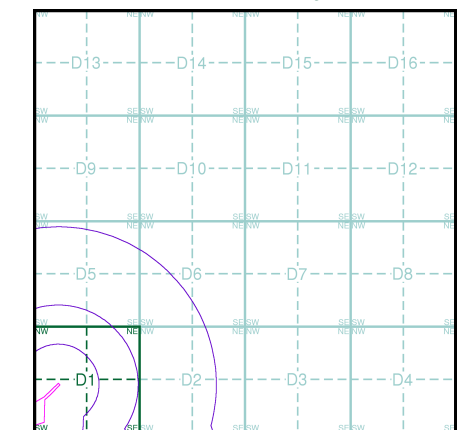
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

## Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



## Estimated Soil Chemistry Chromium - Slice D



## Order Details

Order Details: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

## Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



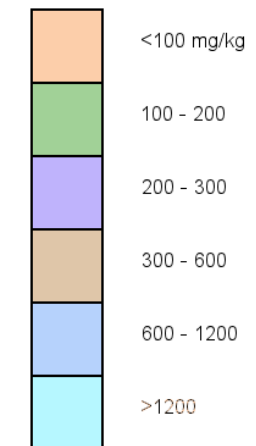
© Crown Copyright. All Rights Reserved. License Number 100022432.

## General

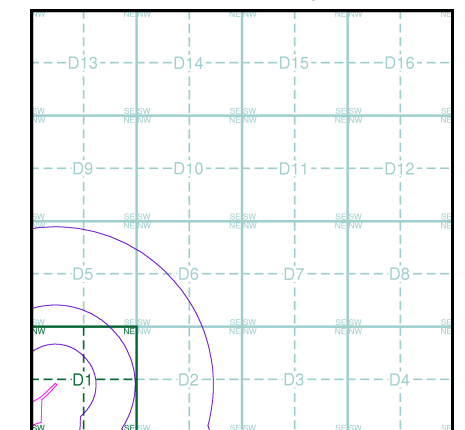
- ✱ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

## Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



## Estimated Soil Chemistry Lead - Slice D

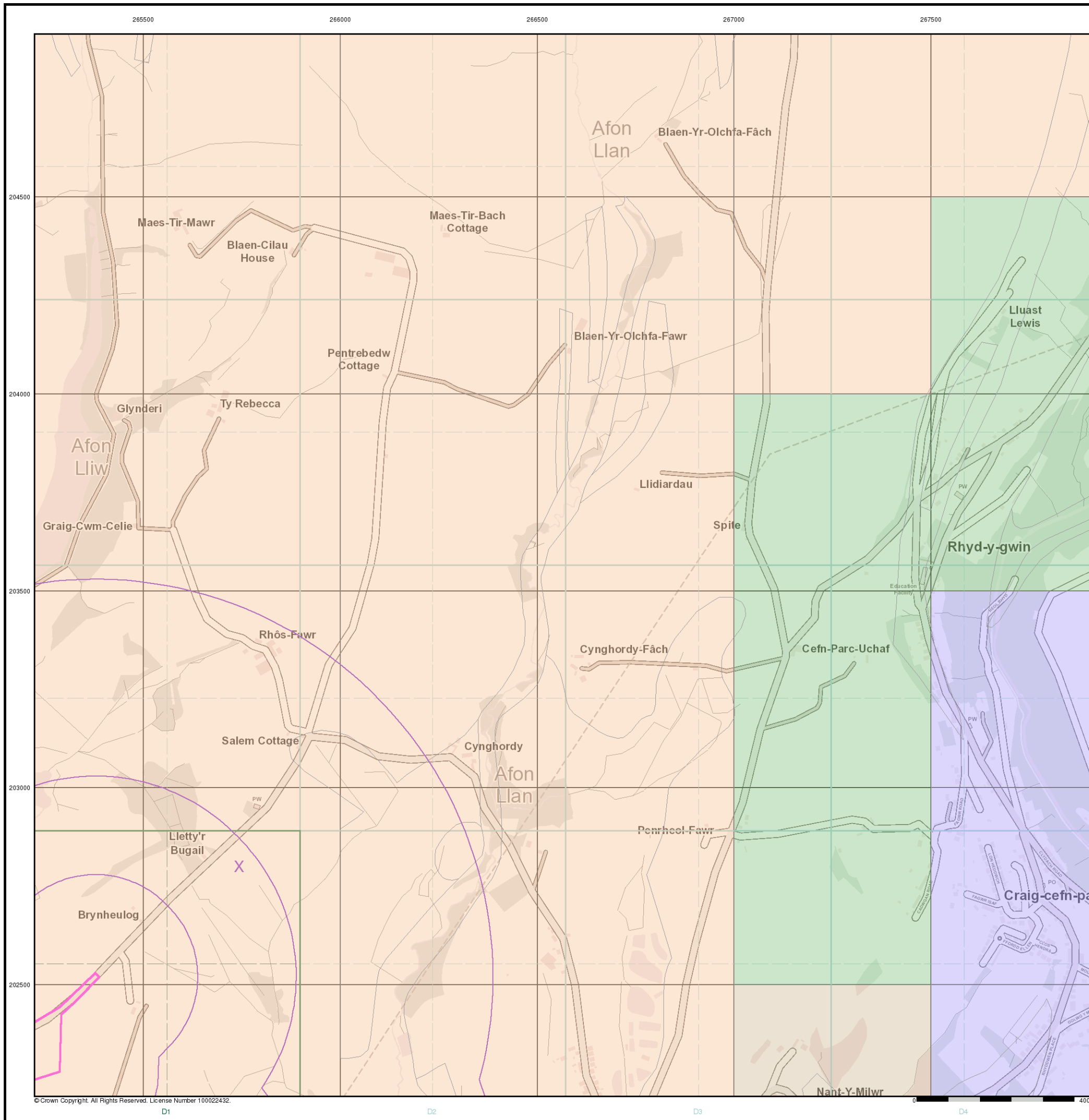


## Order Details

Order Details: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

## Site Details




Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



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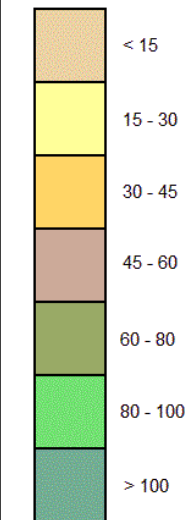


### General

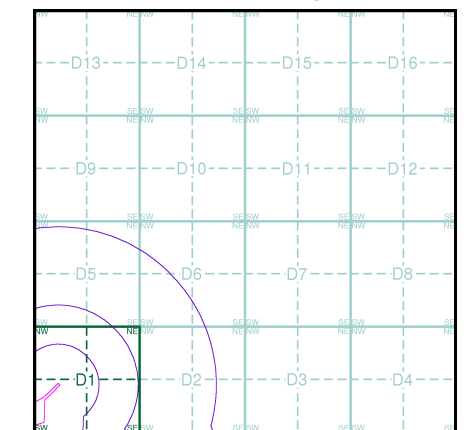
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

### Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



### Estimated Soil Chemistry Nickel - Slice D

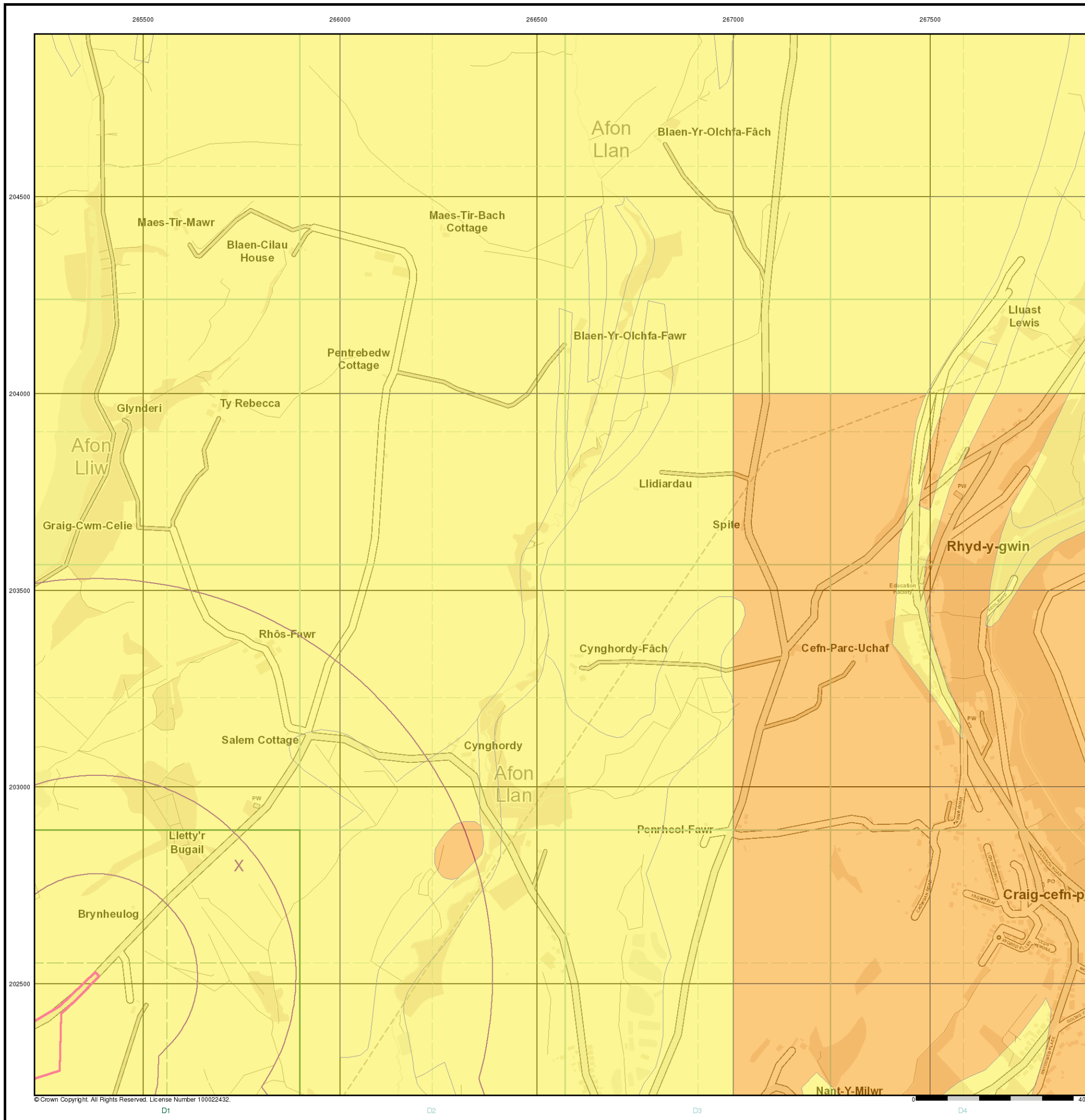


### Order Details

Order Details: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 1000

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



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Order Details:

Order Number: 142844199

Customer Ref: 60542910

National Grid: 202800

Slice: D

Site Area (Ha): 1000

Search Buffer:

Site Details: Felindre SWANSEA SA5 7NN

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.enviroche.co.uk](http://www.enviroche.co.uk)  
BGS Boreholes

ack.co.uk.

# Historical Mapping Legends

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

**Quarry** **Gravel Pit** **Sand Pit**  
**Clay Pit** **Shingle** **Refuse Heap**  
**Sloping Masonry** **Flat Rock**

**Marsh** **Reeds** **Osiers**  
**Rough Pasture** **Furze** **Wood**  
**Mixed Wood** **Brushwood** **Orchard**

**Fir** **Ford** **Stepping Stones**  
**Ferry** **Waterfall** **Lock**

**Trig. Station** **Altitude at Trig. Station**  
**B.M. 325.9** **Bench Mark** **Surface Level**  
**Arrow denotes flow of water** **Antiquities (site of)**

**Cutting** **Embankment**

**Railway crossing Road** **Level Crossing** **Road crossing Railway**

**Railway crossing River or Canal** **Road over single stream** **Road over River or Canal**

**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Administrative County & Civil Parish Boundary**  
**County Borough Boundary (England)**  
**Co. Boro. Bdy.** **County Borough Boundary (Scotland)**  
**Co. Burgh Bdy.**

**B.P. B.S.** **Boundary Post or Stone** **P.C.B.** **Police Call Box**  
**B.R.** **Bridle Road** **P** **Pump**  
**E.P.** **Electricity Pylon** **S.P.** **Signal Post**  
**F.B.** **Foot Bridge** **Sl.** **Sluice**  
**F.P.** **Foot Path** **Sp.** **Spring**  
**G.P.** **Guide Post or Board** **T.C.B.** **Telephone Call Box**  
**M.S.** **Mile Stone** **Tr.** **Trough**  
**M.P. M.R.** **Mooring Post or Ring** **W** **Well**

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

**Inactive Quarry, Chalk Pit or Clay Pit** **Active Quarry, Chalk Pit or Clay Pit**  
**Rock** **Boulders**

**Cliff** **Slopes** **Top**

**Roofed Building** **Glazed Roof Building**

**Sloping Masonry** **Archway**

**Non-Coniferous Tree (surveyed)** **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)** **Coniferous Trees (not surveyed)**

**Orchard Tree** **Scrub** **Bracken**  
**Coppice, Osier** **Reeds** **Marsh, Saltings**

**Rough Grassland** **Heath** **Culvert**

**Direction of water flow** **Triangulation Station** **Antiquity (site of)**

**Roofed Building** **Glazed Roof Building**

**Electricity Transmission Line** **Electricity Pylon**

**Bench Mark** **Buildings with Building Seed**

**Roofed Building** **Glazed Roof Building**

**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**

**BH** **Beer House** **P** **Pillar, Pole or Post**  
**BP, BS** **Boundary Post or Stone** **PO** **Post Office**  
**Cn, C** **Capstan, Crane** **PC** **Public Convenience**  
**Chy** **Chimney** **PH** **Public House**  
**D Fn** **Drinking Fountain** **Pp** **Pump**  
**EI P** **Electricity Pillar or Post** **SB, S Br** **Signal Box or Bridge**  
**FAP** **Fire Alarm Pillar** **SP, SL** **Signal Post or Light**  
**FB** **Foot Bridge** **Spr** **Spring**  
**GP** **Guide Post** **Tk** **Tank or Track**  
**H** **Hydrant or Hydraulic** **TCB** **Telephone Call Box**  
**LC** **Level Crossing** **TCP** **Telephone Call Post**  
**MH** **Manhole** **Tr** **Trough**  
**MP** **Mile Post or Mooring Post** **Wr Pt, Wr T** **Water Point, Water Tap**  
**MS** **Mile Stone** **W** **Well**  
**NTL** **Normal Tidal Limit** **Wd Pp** **Wind Pump**

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

**Cliff** **Slopes** **Top**

**Rock** **Rock (scattered)**  
**Boulders** **Boulders (scattered)**  
**Positioned Boulder** **Scree**

**Non-Coniferous Tree (surveyed)** **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)** **Coniferous Trees (not surveyed)**

**Orchard Tree** **Scrub** **Bracken**  
**Coppice, Osier** **Reeds** **Marsh, Saltings**

**Rough Grassland** **Heath** **Culvert**

**Direction of water flow** **Triangulation Station** **Antiquity (site of)**

**Electricity Transmission Line** **Electricity Pylon**

**Bench Mark** **Buildings with Building Seed**

**Roofed Building** **Glazed Roof Building**

**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**

**Bks** **Barracks** **P** **Pillar, Pole or Post**  
**Bty** **Battery** **PO** **Post Office**  
**Cemy** **Cemetery** **PC** **Public Convenience**  
**Chy** **Chimney** **Pp** **Pump**  
**Cis** **Cistern** **Ppg Sta** **Pumping Station**  
**Dismtd Rly** **Dismantled Railway** **PW** **Place of Worship**  
**EI Gen Sta** **Electricity Generating Station** **Sewage Ppg Sta** **Sewage Pumping Station**

**EI P** **Electricity Pole, Pillar** **SB, S Br** **Signal Box or Bridge**  
**EI Sub Sta** **Electricity Sub Station** **SP, SL** **Signal Post or Light**  
**FB** **Filter Bed** **Spr** **Spring**  
**Fn / D Fn** **Fountain / Drinking Ftn.** **Tk** **Tank or Track**  
**Gas Gov** **Gas Valve Compound** **Tr** **Trough**  
**GVC** **Gas Governor** **Wd Pp** **Wind Pump**  
**GP** **Guide Post** **Wr Pt, Wr T** **Water Point, Water Tap**  
**MH** **Manhole** **Wks** **Works (building or area)**  
**MP, MS** **Mile Post or Mile Stone** **W** **Well**

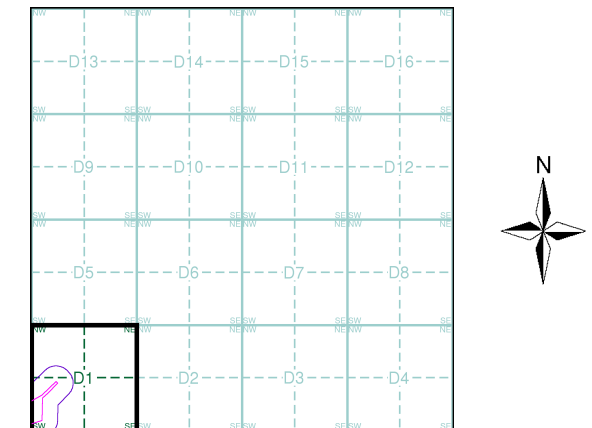
# Envirocheck

LANDMARK INFORMATION GROUP

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1877	2
Glamorganshire	1:2,500	1898	3
Glamorganshire	1:2,500	1918	4
Ordnance Survey Plan	1:2,500	1961	5
Supply of Unpublished Survey Information	1:2,500	1975	6
Additional SIMs	1:2,500	1992	7
Large-Scale National Grid Data	1:2,500	1993	8
Historical Aerial Photography	1:2,500	2000	9

## Historical Map - Segment D1



## Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 100

## Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

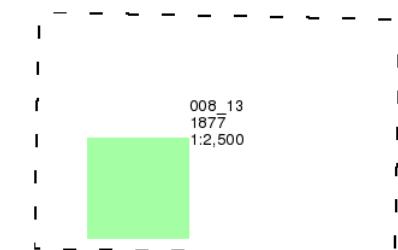
**Landmark**  
 INFORMATION GROUP

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

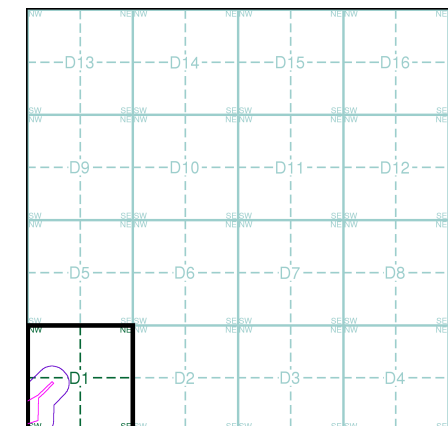


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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 D1

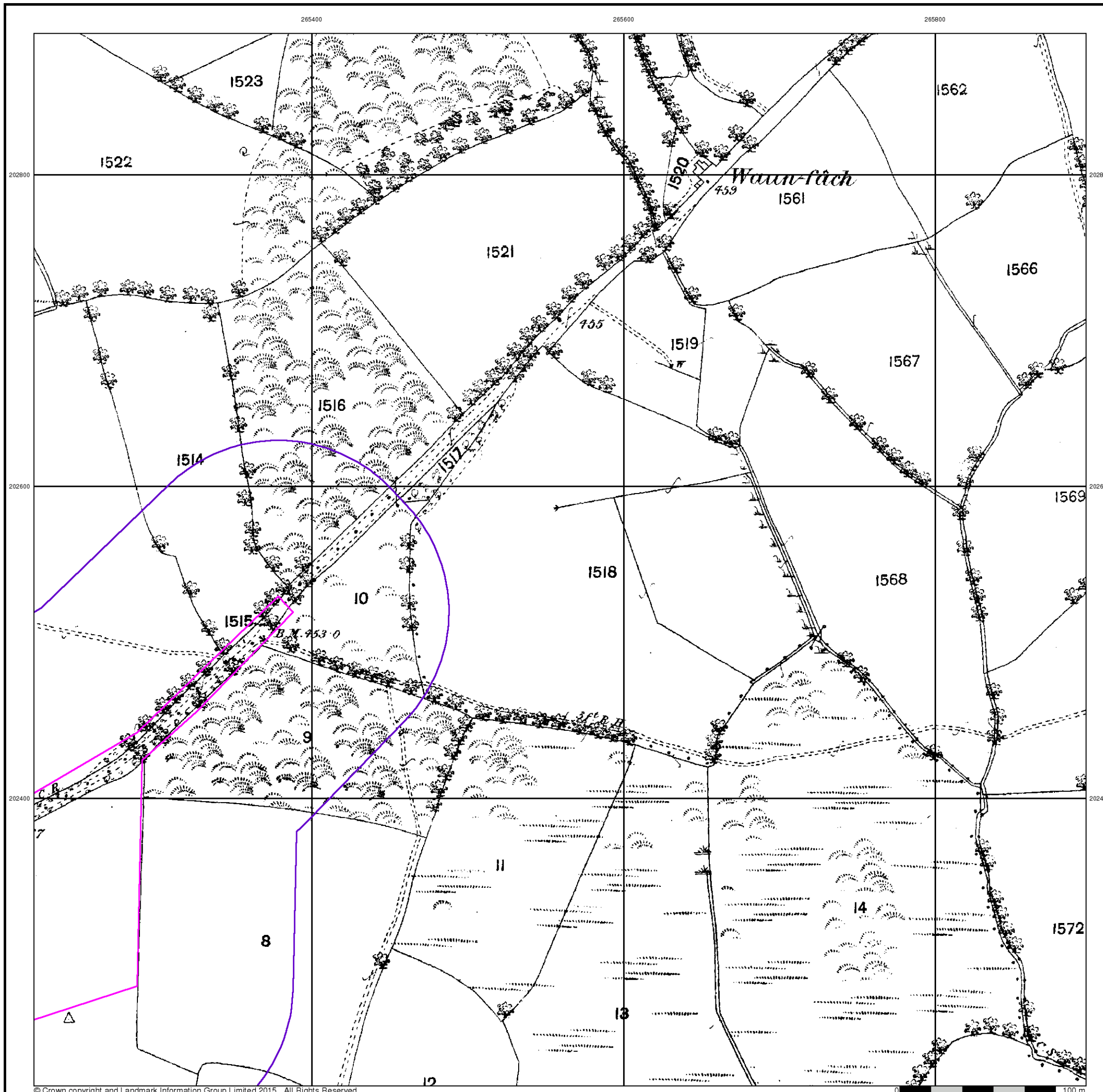


#### Order Details

Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265740, 202800  
Slice: D  
Site Area (Ha): 32.39  
Search Buffer (m): 100

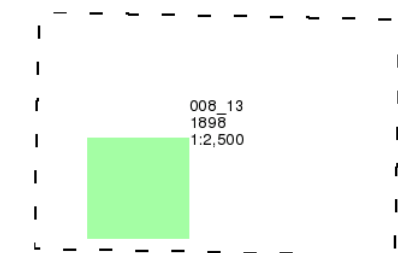
#### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

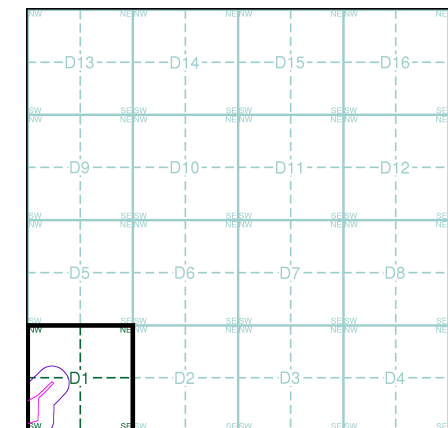


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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 D1**

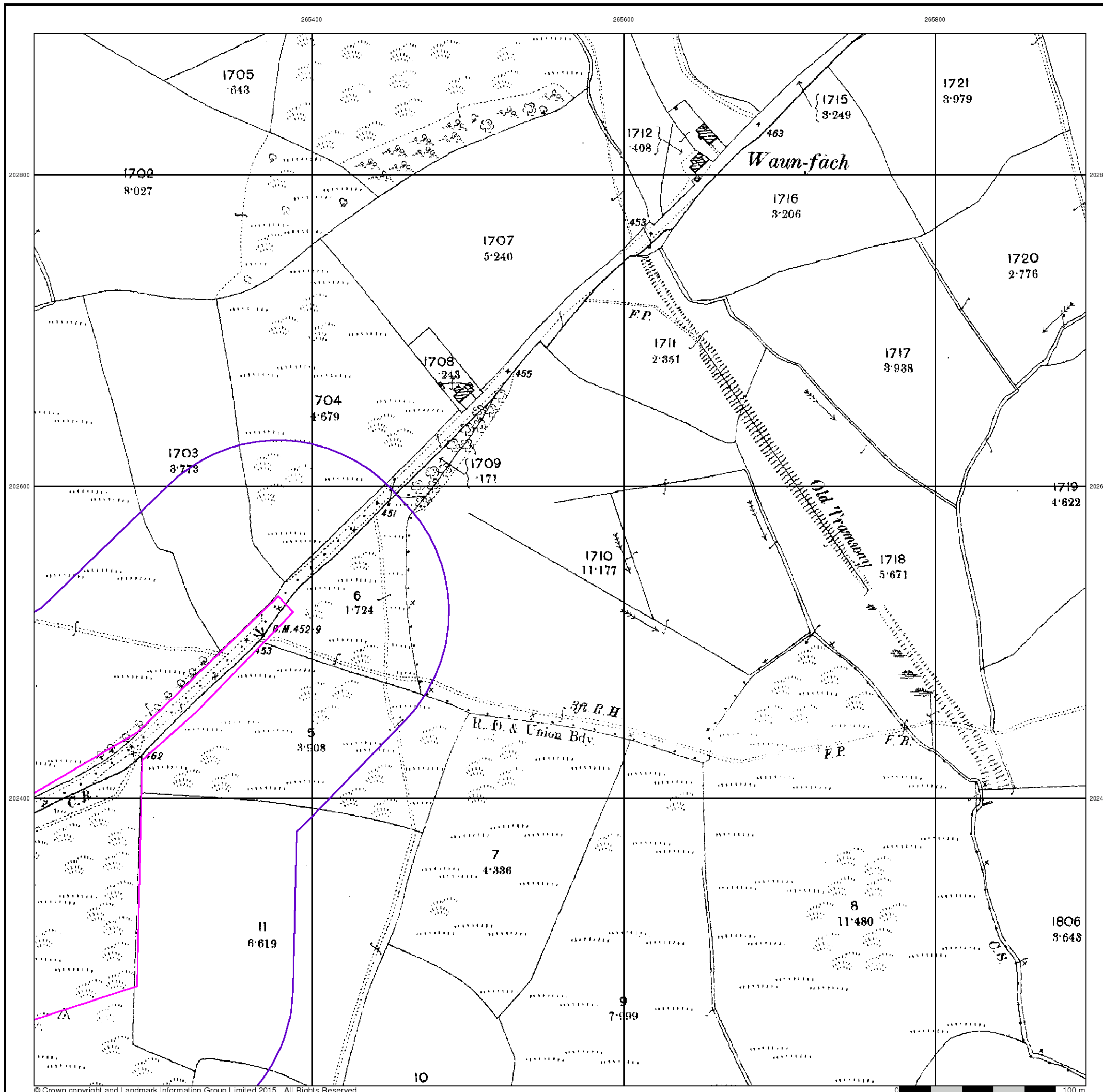


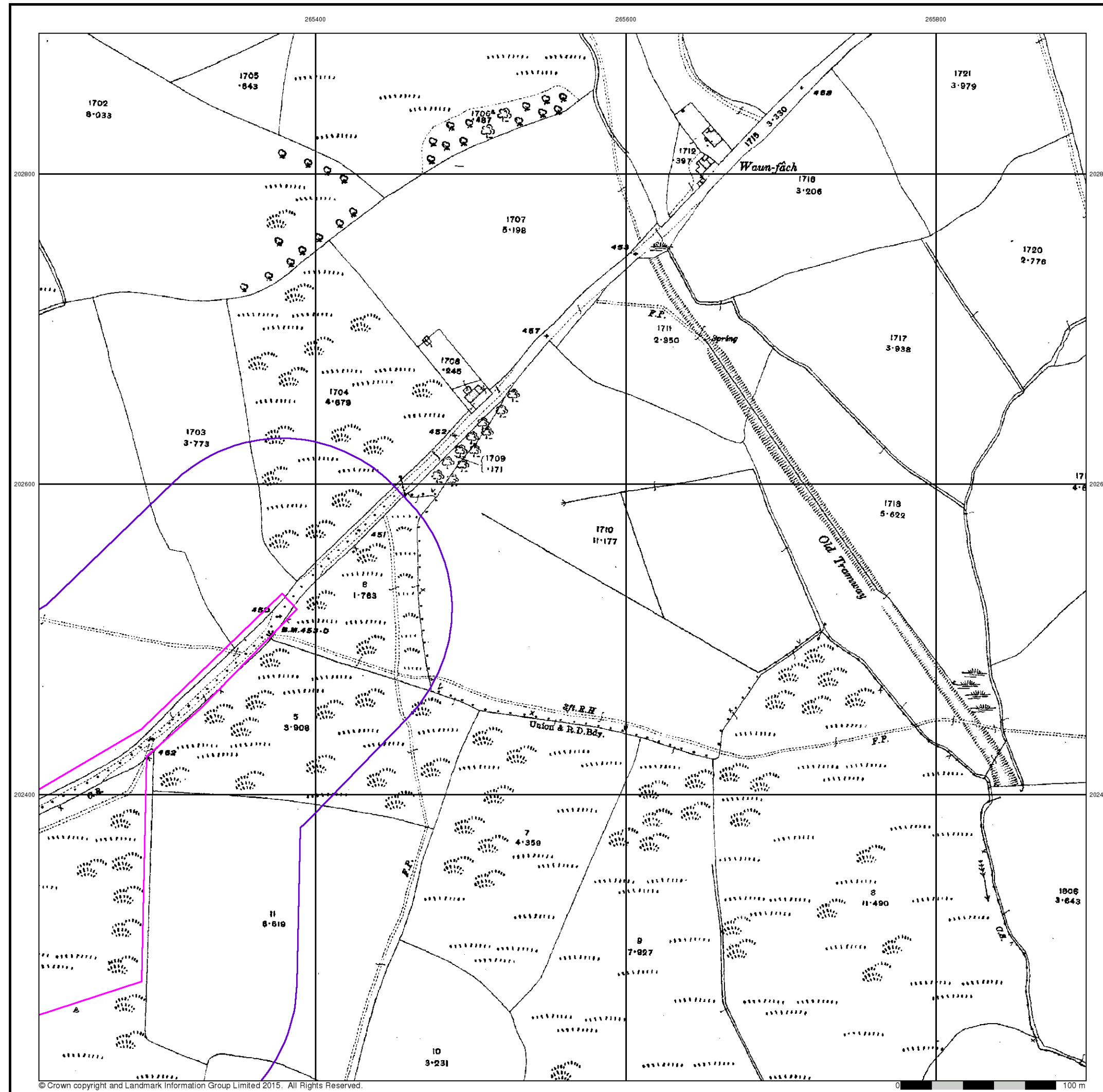
**Order Details**

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
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 Site Area (Ha): 32.39  
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**Site Details**

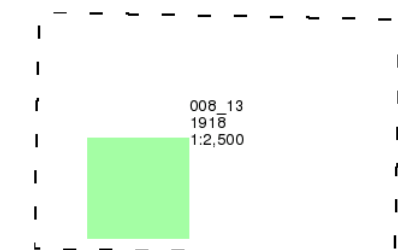
Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



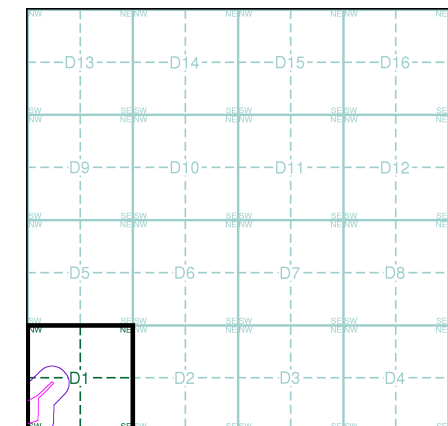


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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 D1



### Order Details

Order Number: 142844199\_1\_1  
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### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



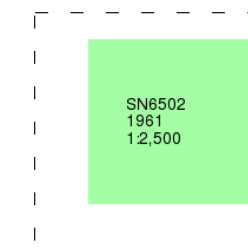
## Ordnance Survey Plan

Published 1961

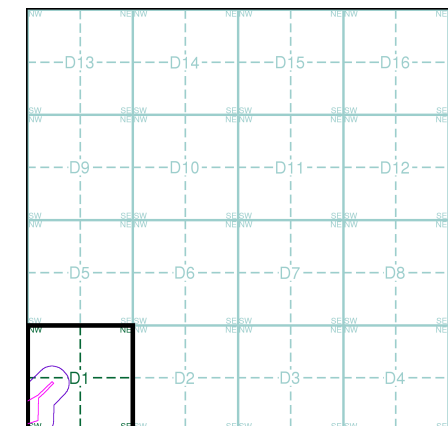
Source map scale - 1:2,500

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

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



### Historical Map - Segment D1

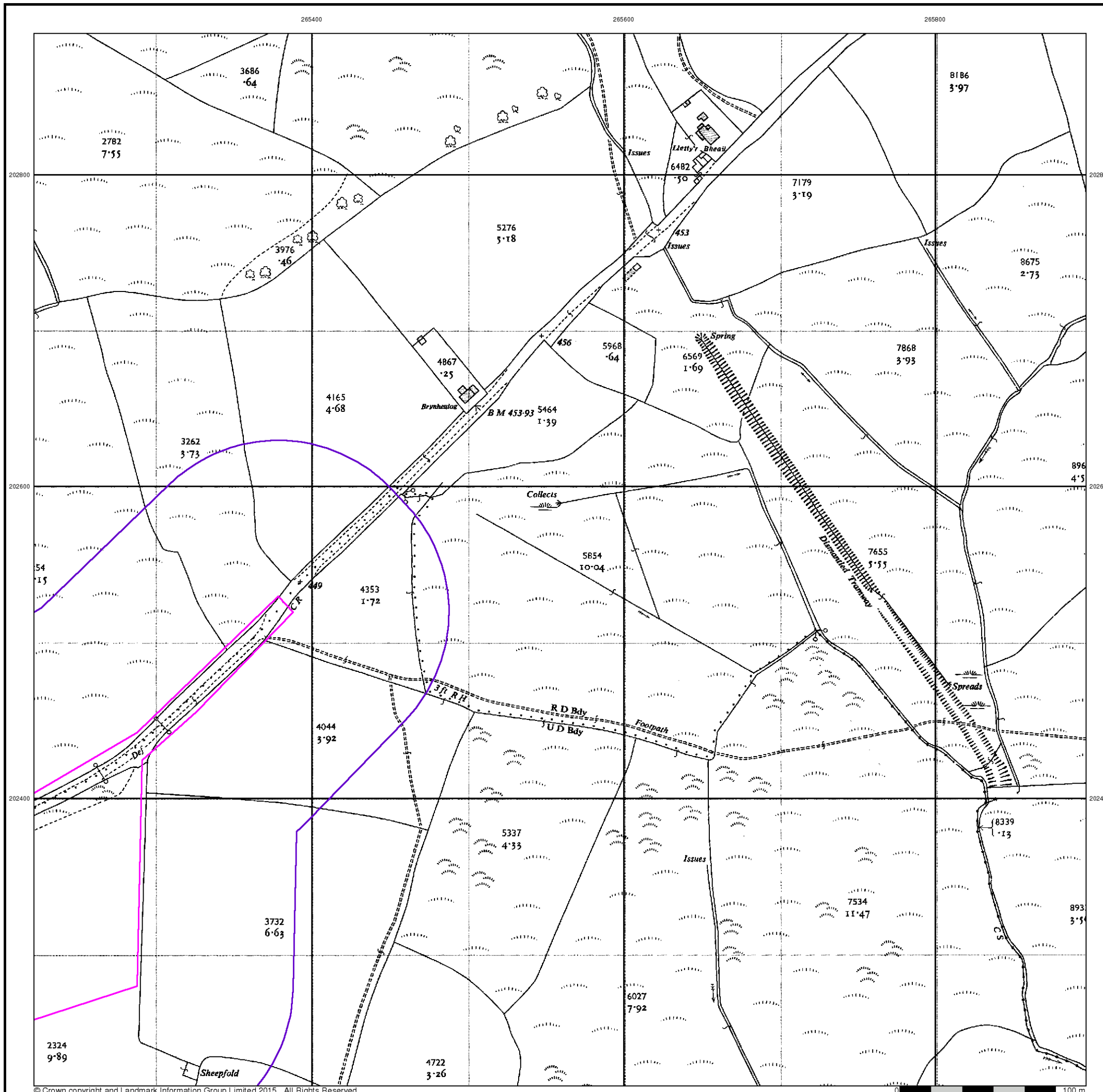


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Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265740, 202800  
Slice: D  
Site Area (Ha): 32.39  
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### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



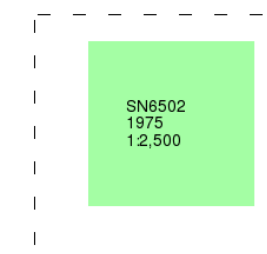
## Supply of Unpublished Survey Information

Published 1975

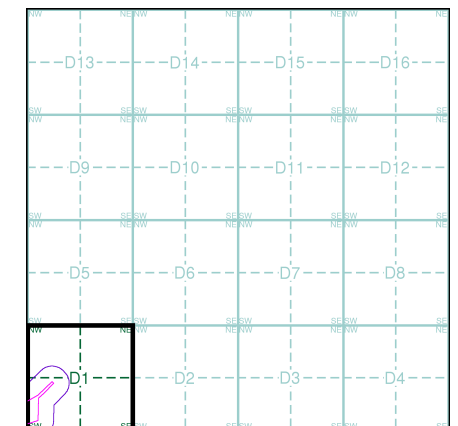
Source map scale - 1:2,500

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

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



### Historical Map - Segment D1

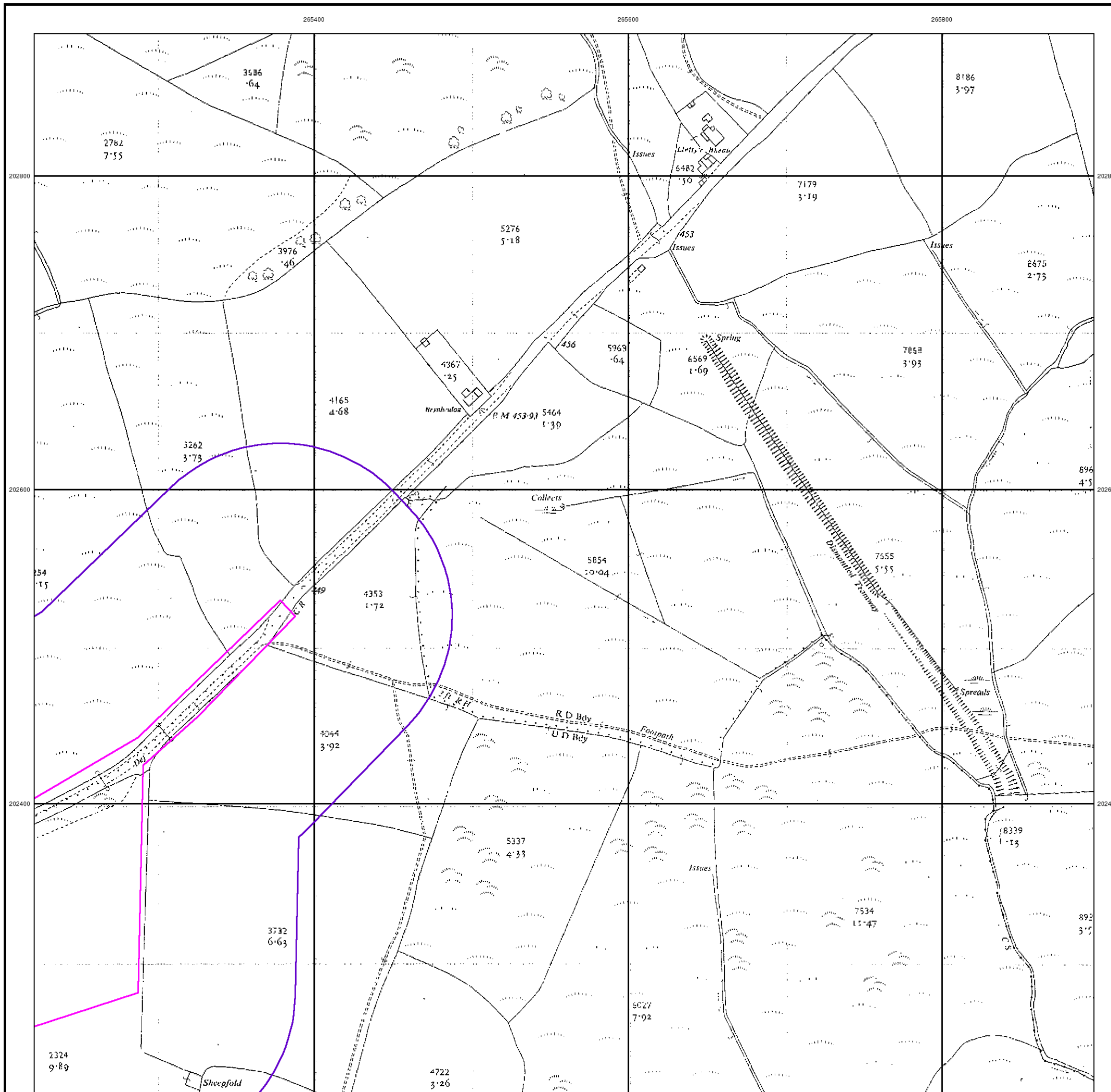


### Order Details

Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265740, 202800  
Slice: D  
Site Area (Ha): 32.39  
Search Buffer (m): 100

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



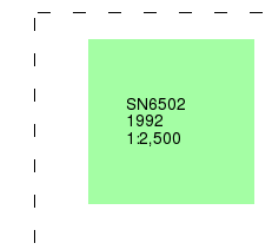
## Additional SIMs

Published 1992

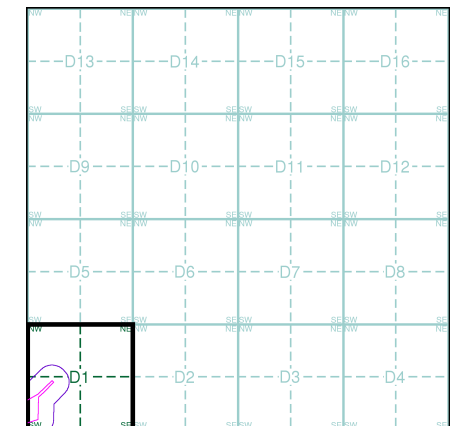
Source map scale - 1:2,500

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 D1

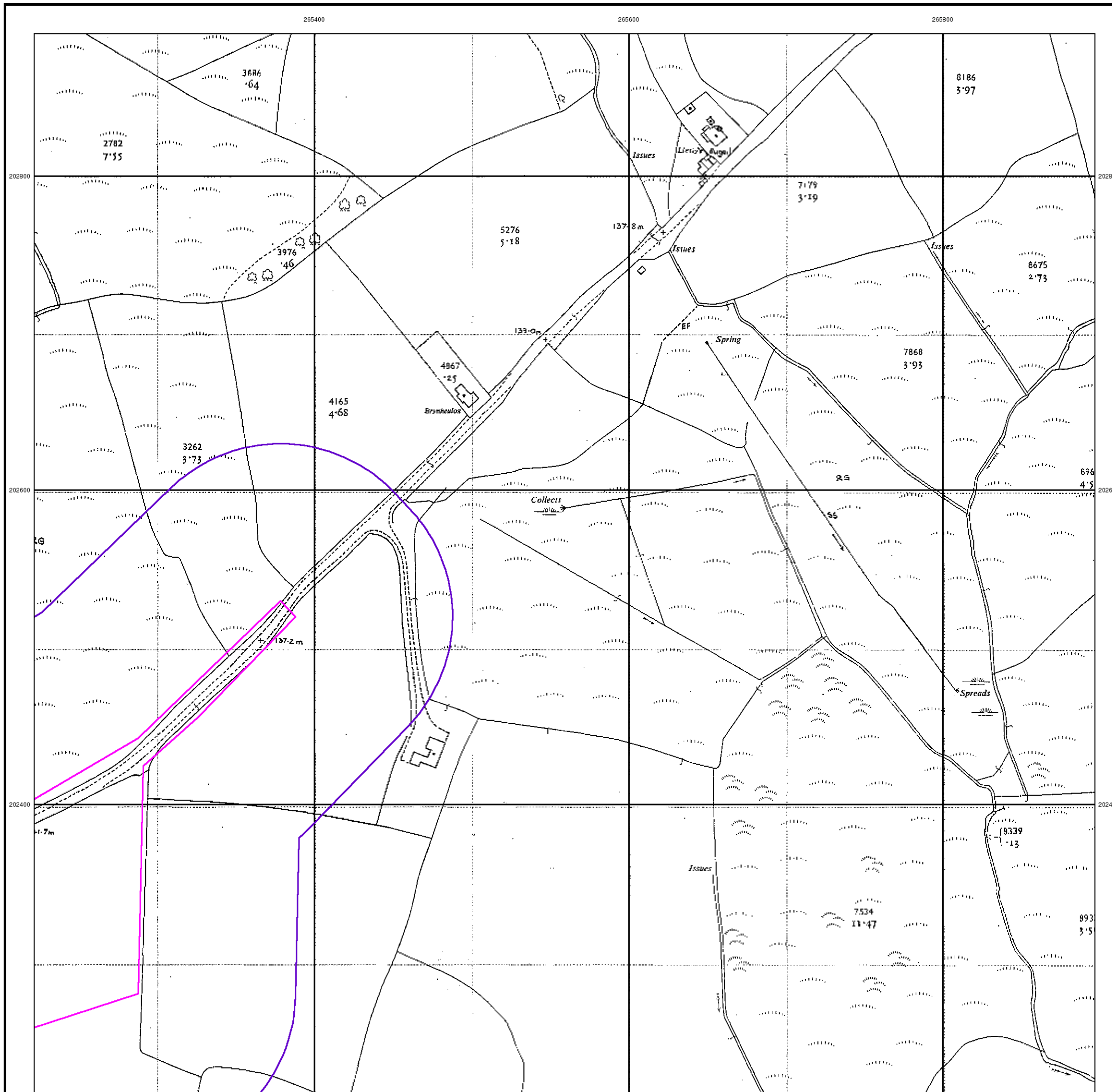


## Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 100

## Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN





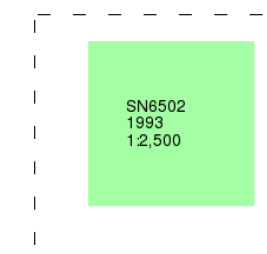
## Large-Scale National Grid Data

Published 1993

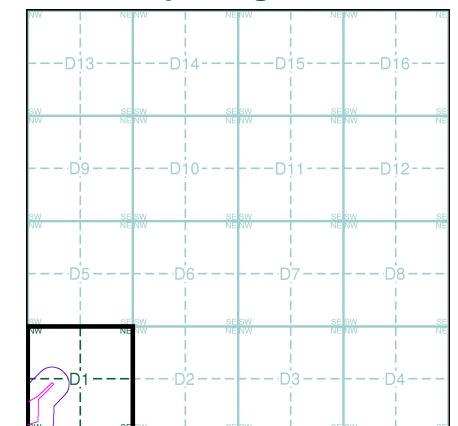
Source map scale - 1:2,500

'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 D1

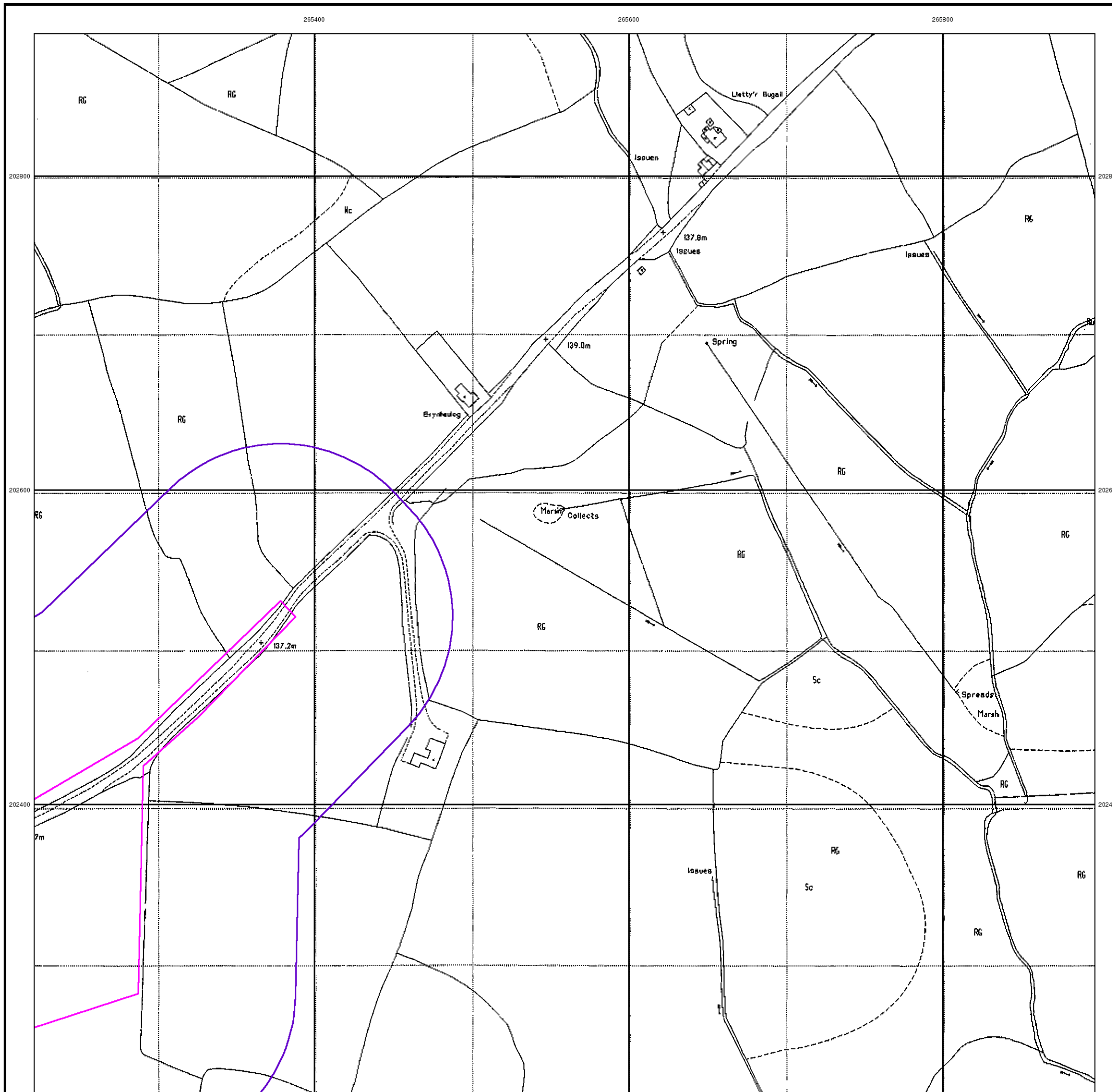


### Order Details

Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265740, 202800  
Slice: D  
Site Area (Ha): 32.39  
Search Buffer (m): 100

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN





265400

265600

265800

202800

202800

202600

202600

202400

202400



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0 100 m

# Envirocheck®

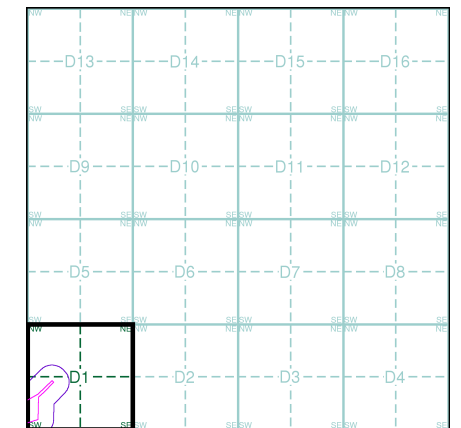
● LANDMARK INFORMATION GROUP®

## 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 D1



### Order Details

Order Number: 142844199\_1\_1  
 Customer Ref: 60542910  
 National Grid Reference: 265740, 202800  
 Slice: D  
 Site Area (Ha): 32.39  
 Search Buffer (m): 100

### Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

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 ● LANDMARK INFORMATION GROUP

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



Order Details:

Order Number: 142844199

Customer Ref: 60542910

National Grid: 202800

Slice:

Site Area (Ha): 32.39

Search Buffer (m): 1000

Site Details:

Abergelli F. Felindre SWANSEA SA5 7NN

File Name | Map Series | Published | Source | Scale

142844199 Glamorgan 1877 1:2,500

142844199 Ordnance 1961 1:2,500

142844199 Glamorgan 1898 1:2,500

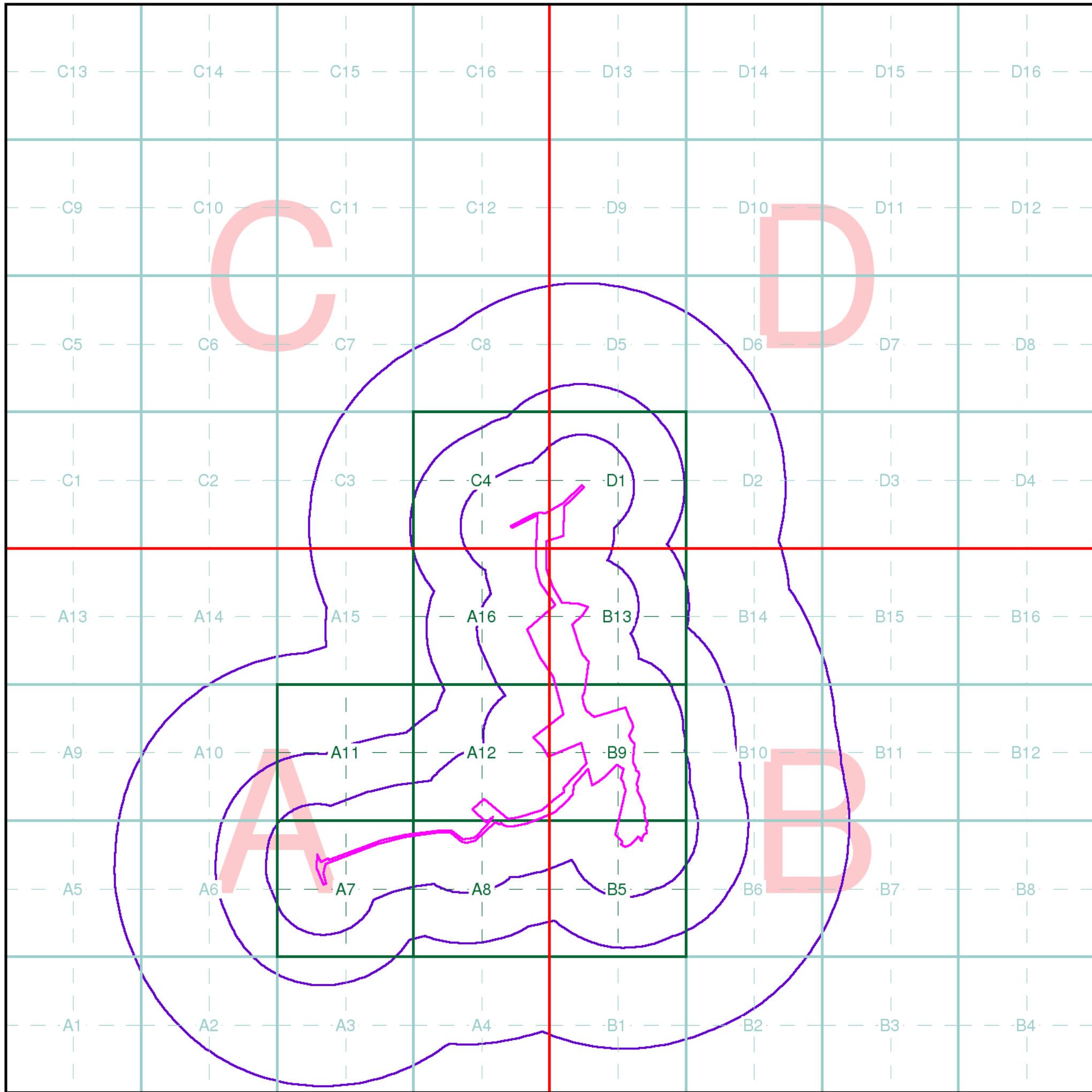
142844199 Glamorgan 1918 1:2,500

142844199 Additional 1992 1:2,500

142844199 Supply of 1975 1:2,500

142844199 Large-Scale 1993 1:2,500





## 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.

## Prepared For

Abergelli Power Station Project

## Client Details

MS J Foy, Aecom Infrastructure & Environment UK Ltd,  
Longcross Court, 47 Newport Road, Cardiff, CF24 0AD

## Order Details

Order Number: 142844199\_1\_1  
Customer Ref: 60542910  
National Grid Reference: 265310, 201420  
Site Area (Ha): 32.39  
Search Buffer (m): 1000

## Site Details

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

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