

## The Abergelli Power Gas Fired Generating Station Order

## **6.2 Environmental Statement Appendices - Volume H Ground Conditions Part IIa**

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

May 2018 Submission Version



Appendix 10.2

Landmark Information Group
Envirocheck Report 2017
Part IIa



Order Details:

Order Number: 142844199 Customer Ref: 60542910 National G 200830

Slice:

Site Area (Ha): 32.39 Search Buffer (m): 1000

Site Details:

Abergelli F Felindre **SWANSEA SA5 7NN** 

File Name Map Series Published I Source Scale 142844199 Glamorgan 1898-1899 1:2,500 142844199 Ordnance ! 1962 1:2,500 142844199 Ordnance ! 1962 1:2,500 142844199 Glamorgan 1898 1:2,500 142844199 Ordnance 11959-1962 1:2,500 142844199 Ordnance ! 1975 1:2,500 1916 1:2,500 142844199 Glamorgan 142844199 Ordnance 11961-1962 1:2,500 142844199 Ordnance 11961-1962 1:2,500 142844199 Glamorgan 1898 1:2,500 142844199 Glamorgan 1876-1877 1:2,500 142844199 Ordnance 11959-1962 1:2,500

142844199 Glamorgan 1916-1918 1:2,500 142844199 Glamorgan 1877 1:2,500 142844199 Glamorgan 1877 1:2,500

142844199 Ordnance ! 1975 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1898-1899 1:2,500 142844199 Glamorgan 1876-1877 1:2,500 142844199 Ordnance ! 1975 1:2,500

142844199 Glamorgan 1916-1918 1:2,500 142844199 Ordnance ! 1961 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1898-1899 1:2,500

142844199 Glamorgan 1935 1:2,500 142844199 Ordnance ! 1962 1:2,500 142844199 Ordnance 11961-1962 1:2,500 1961 1:2,500 142844199 Ordnance !

142844199 Glamorgan 1876-1877 1:2,500

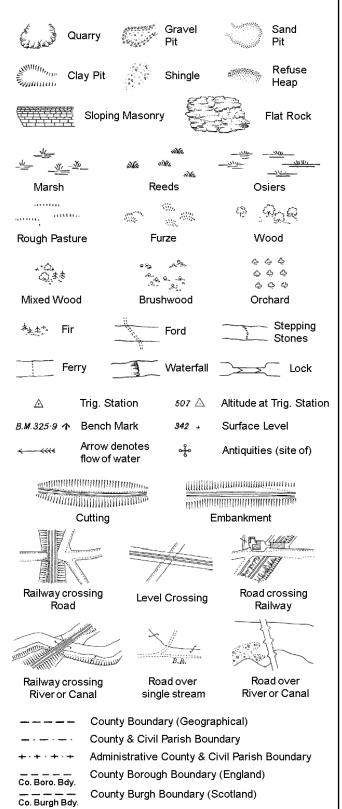
142844199 Ordnance ! 1975 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1916 1:2,500

142844199 Glamorgan 1916-1918 1:2,500 142844199 Additional 1990 1:2,500

142844199 Additional 1990 1:2,500 142844199 Additional 1988-1990 1:2,500 142844199 Additional 1989-1992 1:2,500 142844199 Additional 1986-1992 1:2,500 142844199 Additional 1989-1990 1:2,500 142844199 Additional 1989-1990 1:2,500 142844199 Additional 1989-1990 1:2,500 14284419! Supply of L 1973 1:2,500 142844195 Supply of L 1973-1975 1:2,500 142844195 Supply of L 1973-1975 1:2,500 14284419! Supply of L 1975 1:2,500 142844199 Supply of L 1973 1:2,500 142844199 Large-Scale 1993 1:2,500

## **Historical Mapping Legends**

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



B.R.

E.P

F.B.

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

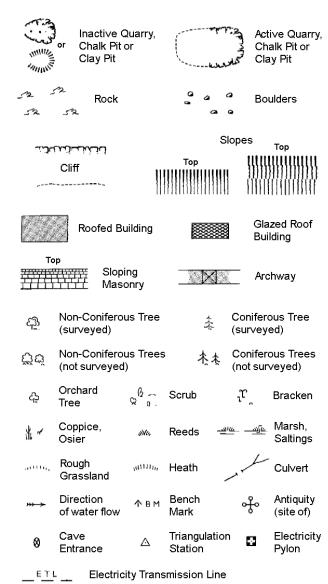
Trough Well

S.P

Sl.

 $T_{T}$ 

## Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



	County Boundary (Geographical)				
· — · — ·	County & Ci∨il Parish Boundary				
	Civil Parish Boundary				

Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

вн	Beer House	Р	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
EIP	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
Н	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	WrPt,WrT	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

## 1:1,250

			SI	opes _
ب <b>انان</b> د	لكنابات			Top
	Cliff	1111111	Top !!!!!!!!!!!!!	<b>!</b> }}}!}
,				
3	Rock		73	Rock (scattered)
	Boulders		Δ	Boulders (scattered)
	Positioned	l Boulder		Scree
ক্ট্রে	Non-Conif (surveyed	erous Tree )	\$	Coniferous Tree (surveyed)
స్తోల్	Non-Conit (not surve	erous Trees yed)	<del>ሉ</del> ሉ	Coniferous Trees (not surveyed)
<del>ڳ</del>	Orchard Tree	Q <sup>Q</sup> Ω. So	rub	<sub>ໃ</sub> ້ Bracken
* ~	Coppice, Osier	ww. Re	eds 🛥	Marsh, Saltings
actility.	Rough Grassland	,,,,,,,,,,,, Не І	eath	Culvert
<del>*** &gt;</del>	Direction of water fl		angulatior ation	Antiquity (site of)
E <u>T</u> L	_ Electric	eity Transmissio	n Line	⊠ Electricity Pylon
K BM	l 231.6úm   [	Bench Mark		Buildings with Building Seed
	Roof	ed Building		Glazed Roof Building
		Ci∨il parish/co	mmunity h	oundary
		District bound	-	oundary
			•	
_ •		County bounds	=	
4	5	Boundary post		
٨	>			ol (note: these ed pairs or groups
Bks	Barracks		Р	Pillar, Pole or Post
Bty	Battery		PO	Post Office
Cemy	Cemetery		PC	Public Convenience
Chy	Chimney		Pp	Pump
Cis Dismtd F	Cistern	tlad Pailway	Ppg Sta PW	Pumping Station Place of Worship
El Gen S	sta Electric	itled Railway ity Generating	Sewage P	pg Sta Sewage
EIP	Station	Pole, Pillar	QD Q D-	Pumping Station
	Electricity Ita Electricity		SB, S Br SP, SL	Signal Box or Bridge Signal Post or Light
FB	Filter Bed		Spr Spr	Spring

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

Mile Post or Mile Stone

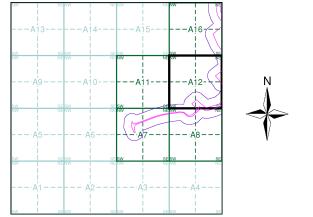
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LANDMARK INFORMATION GROUP

## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1877	2
Glamorganshire	1:2,500	1898 - 1899	3
Glamorganshire	1:2,500	1916 - 1918	4
Glamorganshire	1:2,500	1935	5
Ordnance Survey Plan	1:2,500	1961 - 1962	6
Ordnance Survey Plan	1:2,500	1961 - 1962	7
Supply of Unpublished Survey Information	1:2,500	1973 - 1975	8
Ordnance Survey Plan	1:2,500	1975	9
Additional SIMs	1:2,500	1989 - 1992	10
Additional SIMs	1:2,500	1990	11
Large-Scale National Grid Data	1:2,500	1993	12
Historical Aerial Photography	1:2,500	2000	13

## **Historical Map - Segment A12**



### **Order Details**

Order Number: 142844199\_1\_1 Customer Ref: 60542910 National Grid Reference: 264270, 200830 Slice:

Site Area (Ha): 32.39 Search Buffer (m): 100

### **Site Details**

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

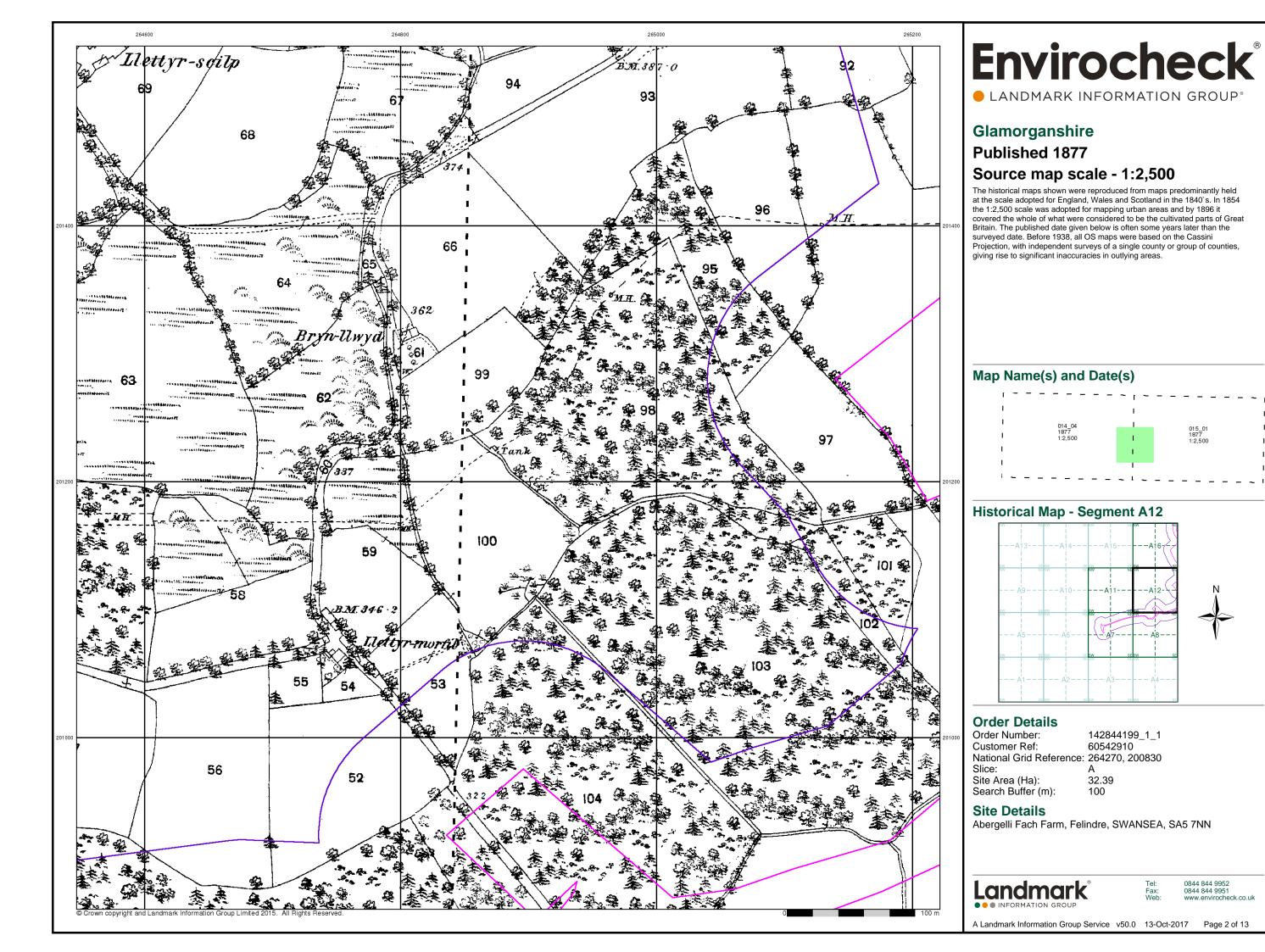
Wd Pp

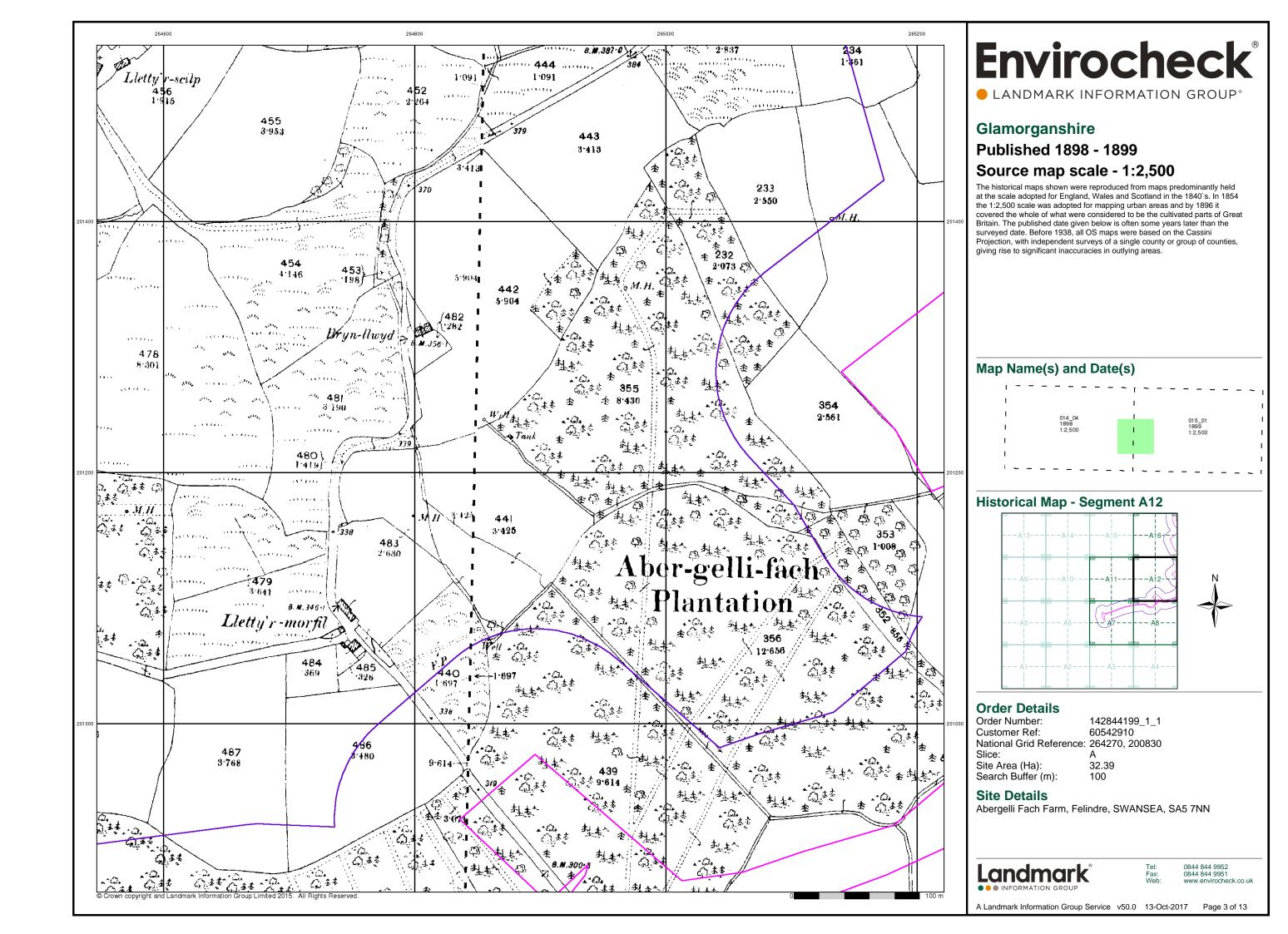
Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

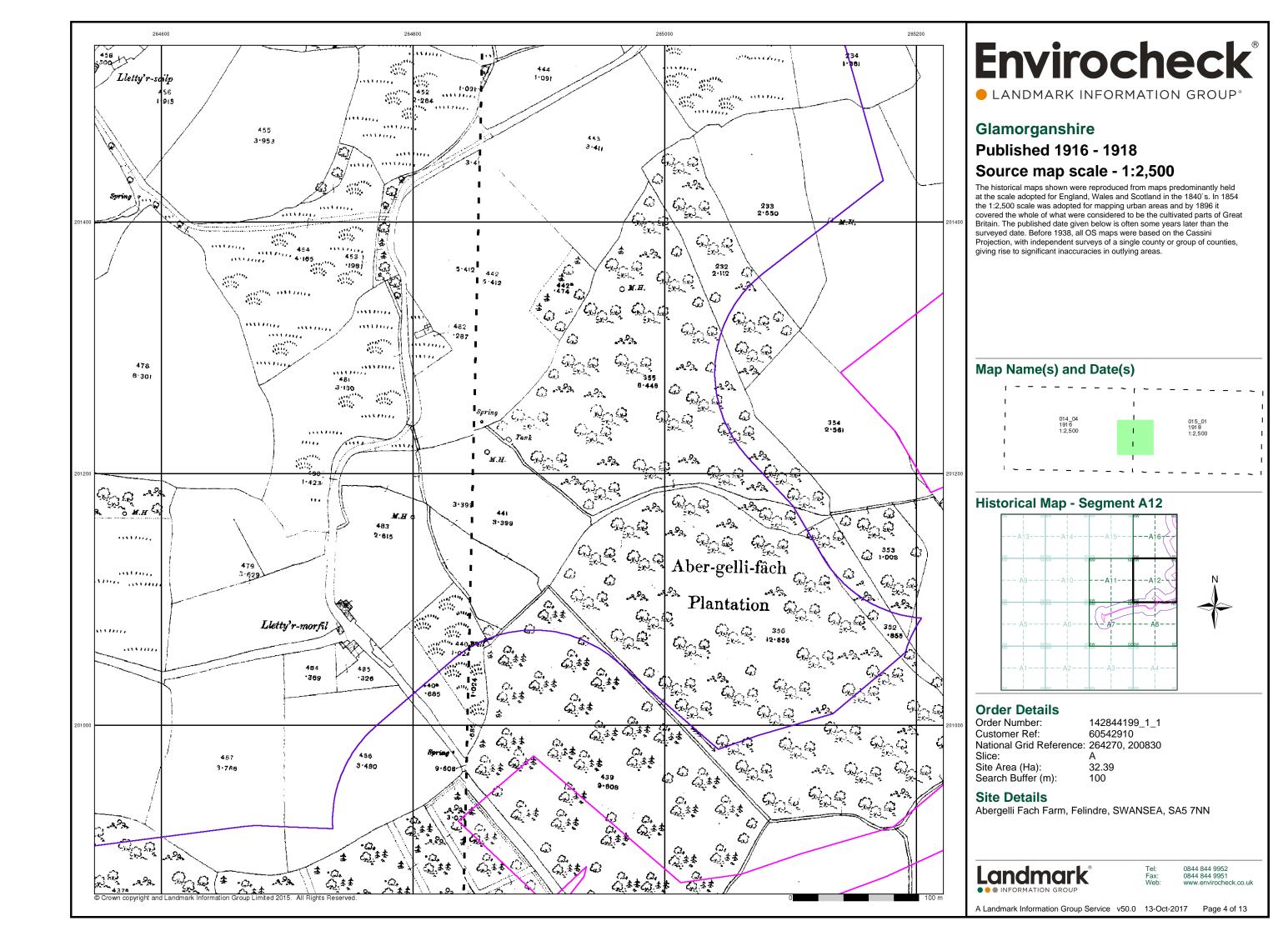


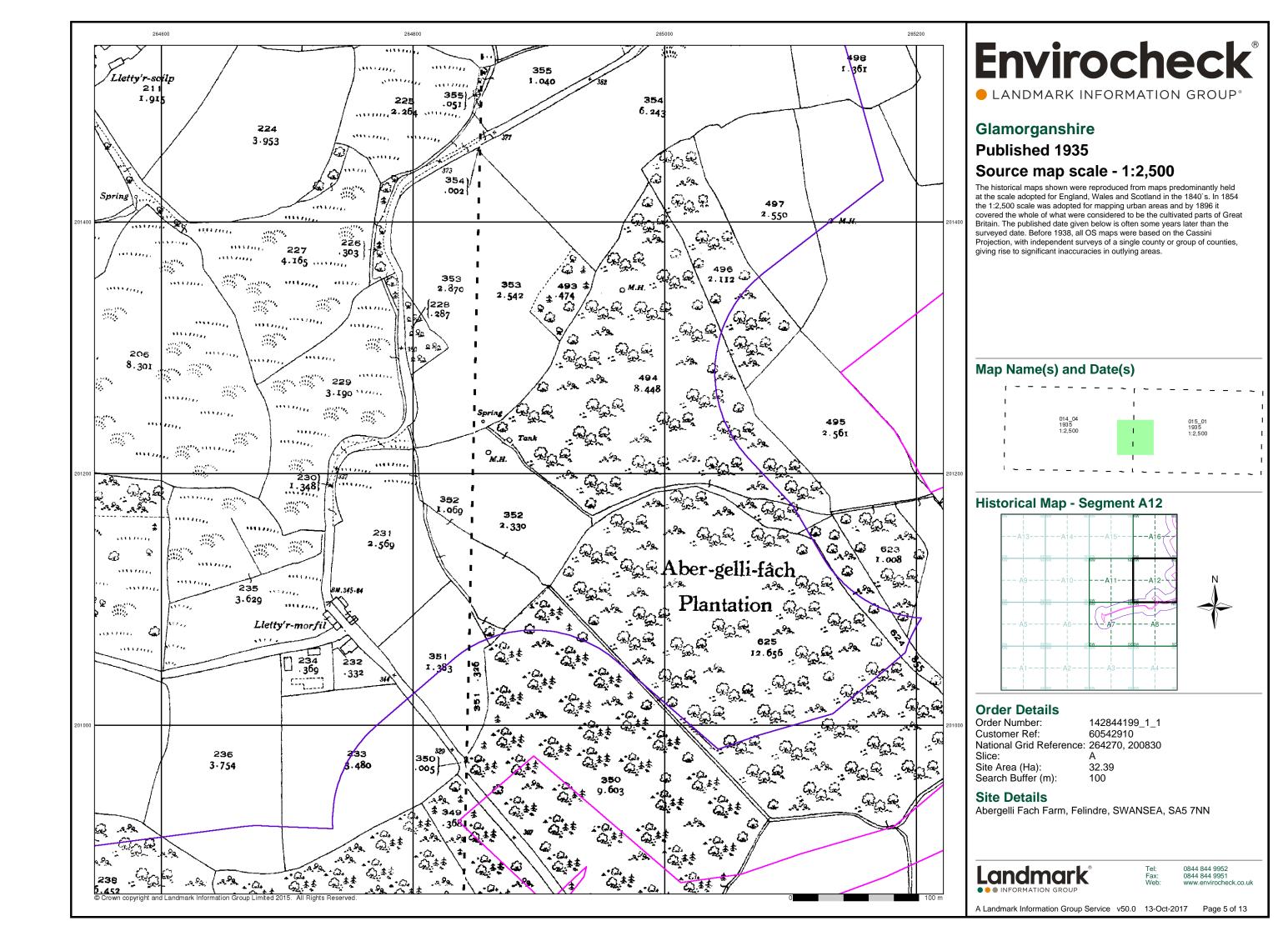
0844 844 9952 0844 844 9951

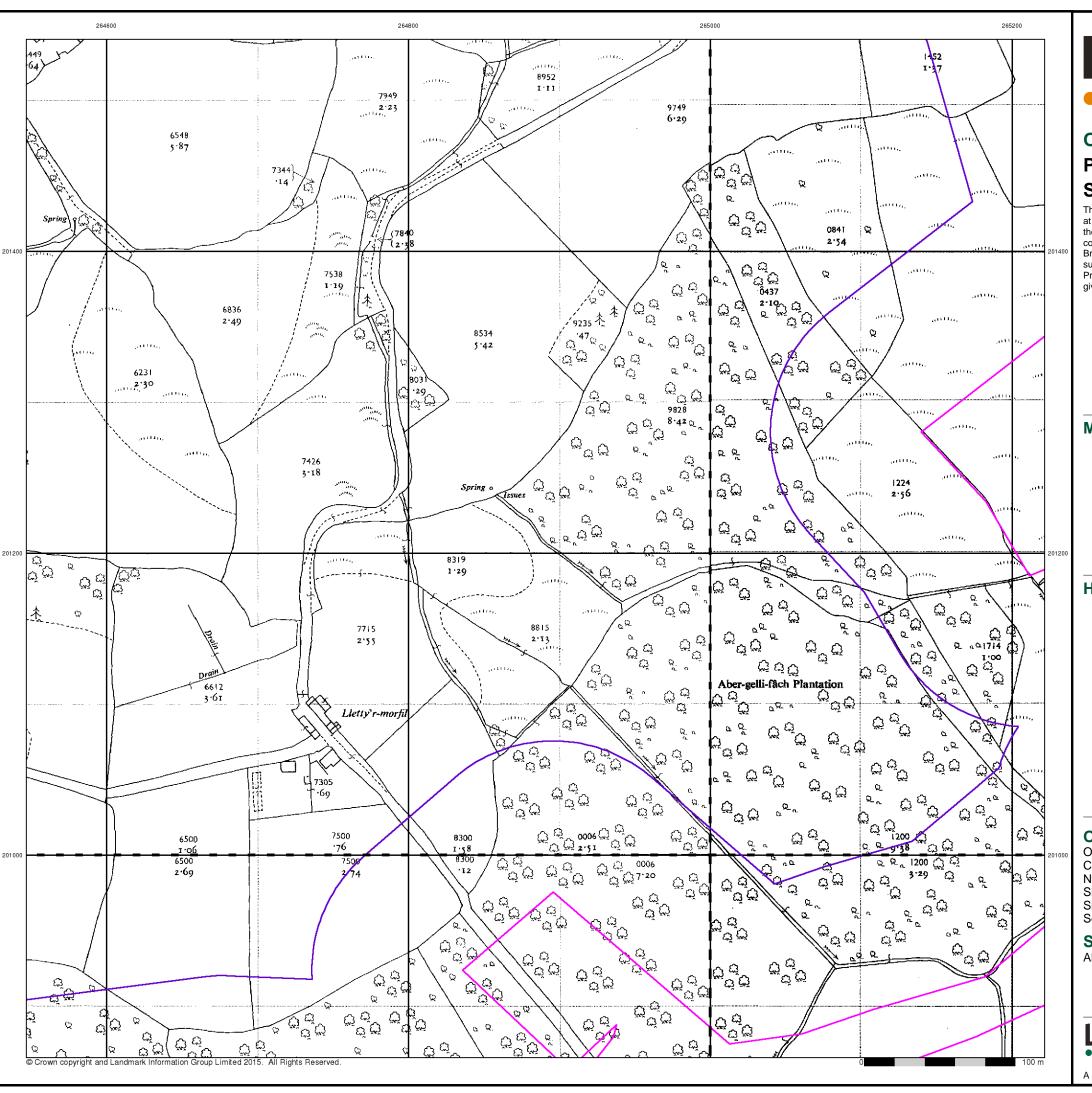
A Landmark Information Group Service v50.0 13-Oct-2017 Page 1 of 13











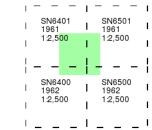
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## **Ordnance Survey Plan** Published 1961 - 1962

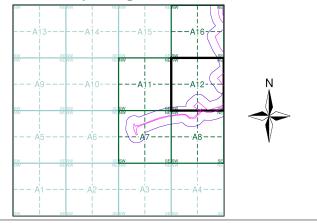
## Source map scale - 1:2,500

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 A12**



### **Order Details**

Order Number: 142844199\_1\_1 Customer Ref: 60542910 National Grid Reference: 264270, 200830 Slice:

Site Area (Ha): 32.39 Search Buffer (m):

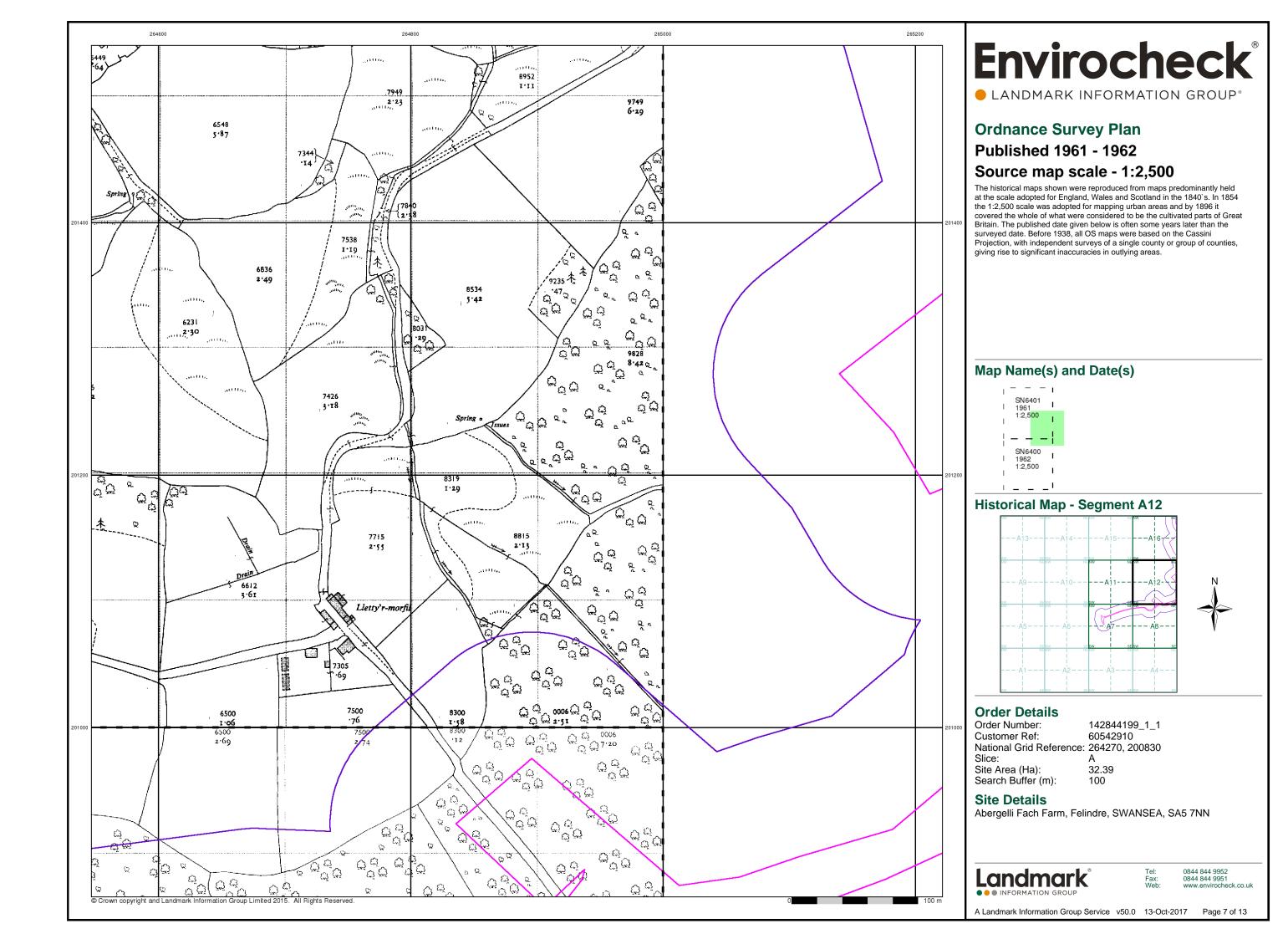
### **Site Details**

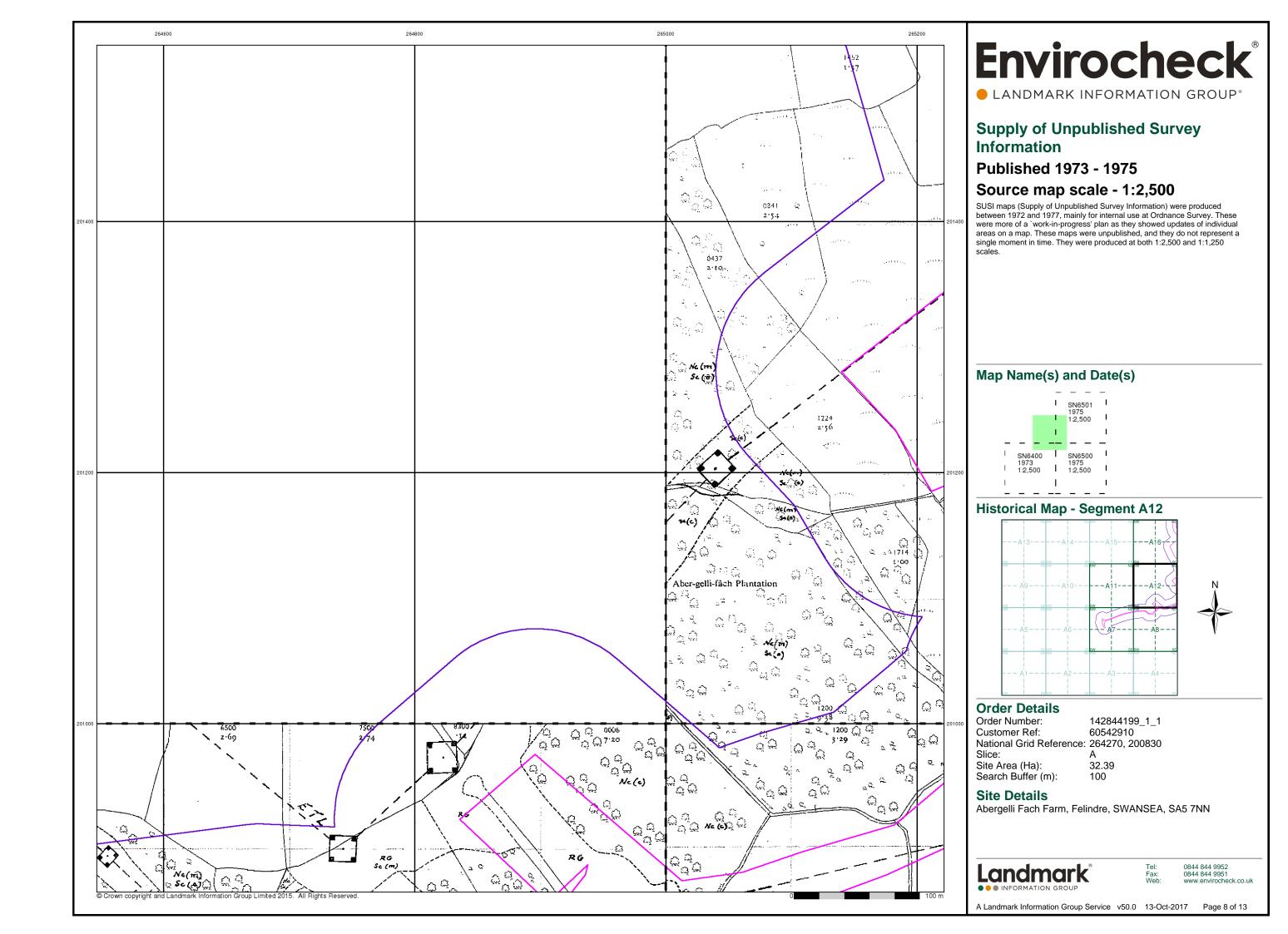
Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

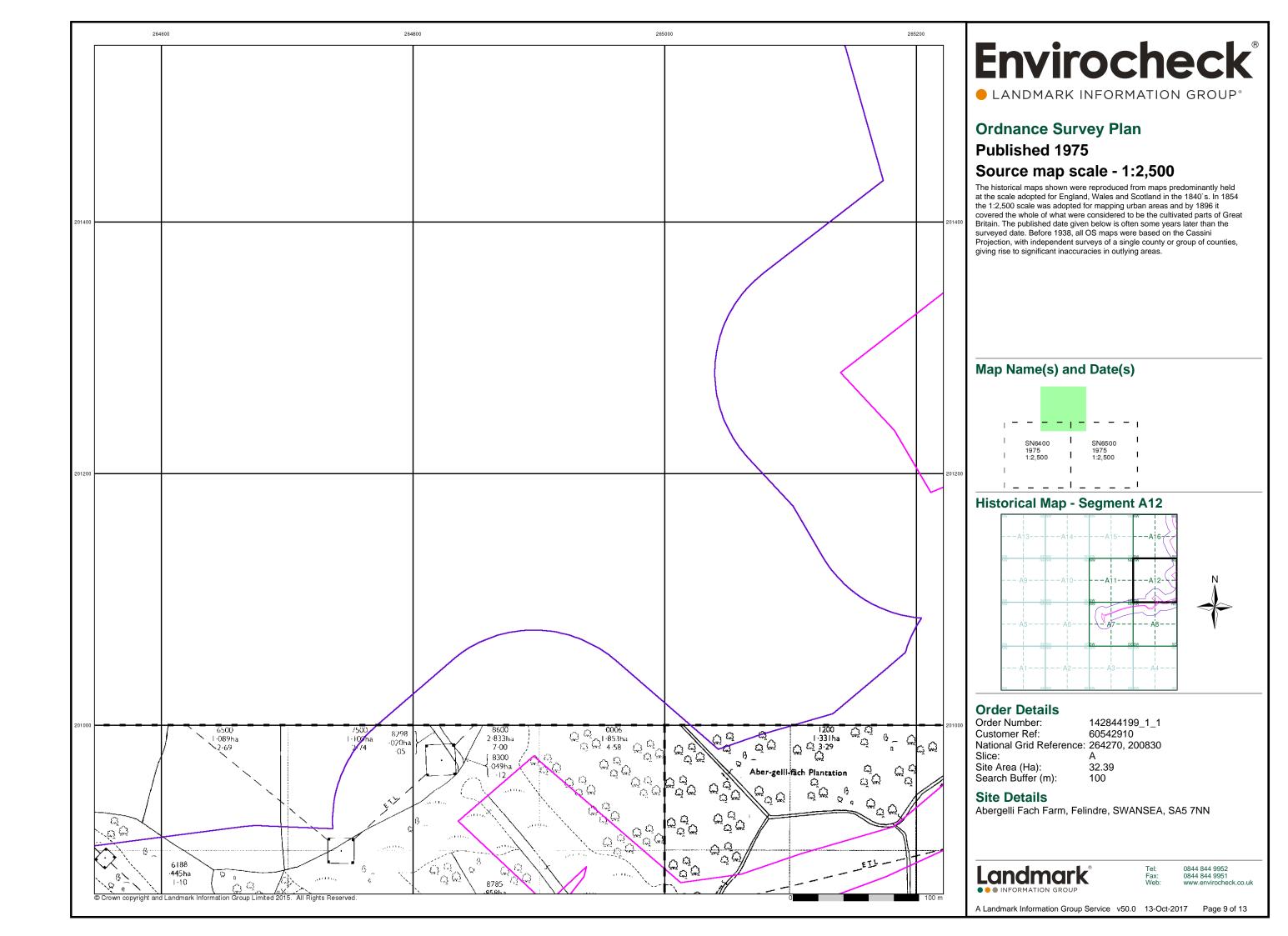


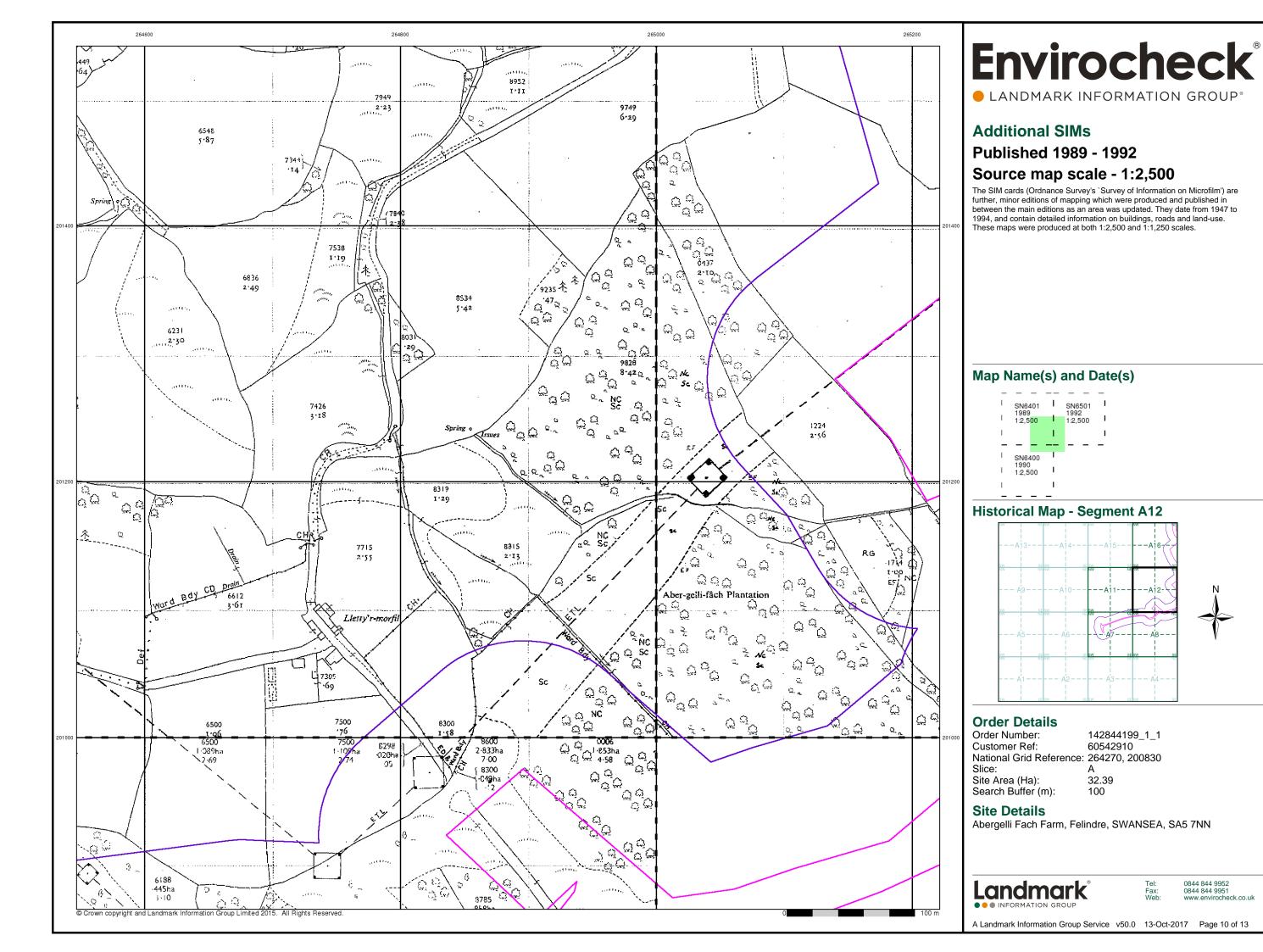
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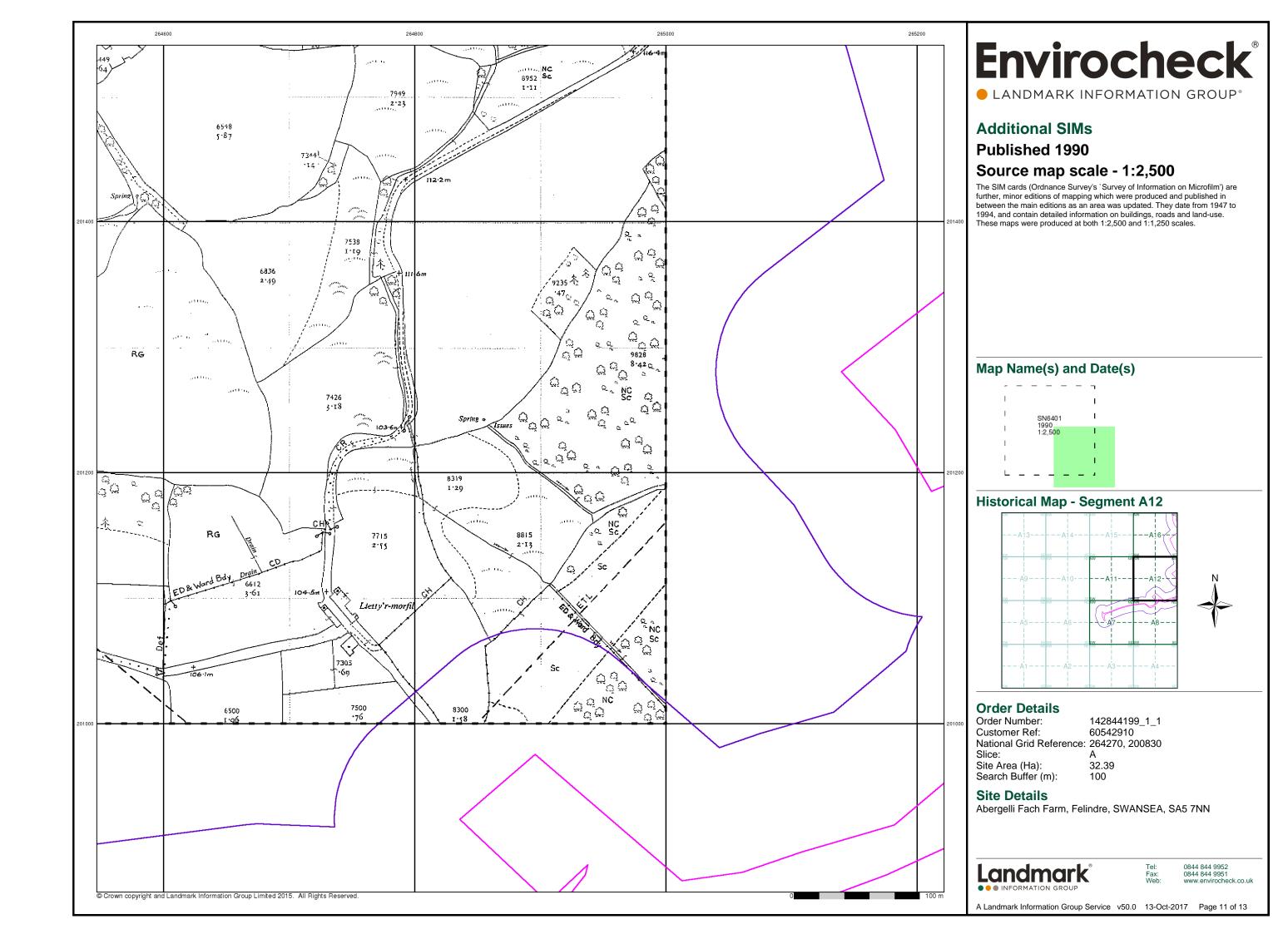
A Landmark Information Group Service v50.0 13-Oct-2017 Page 6 of 13

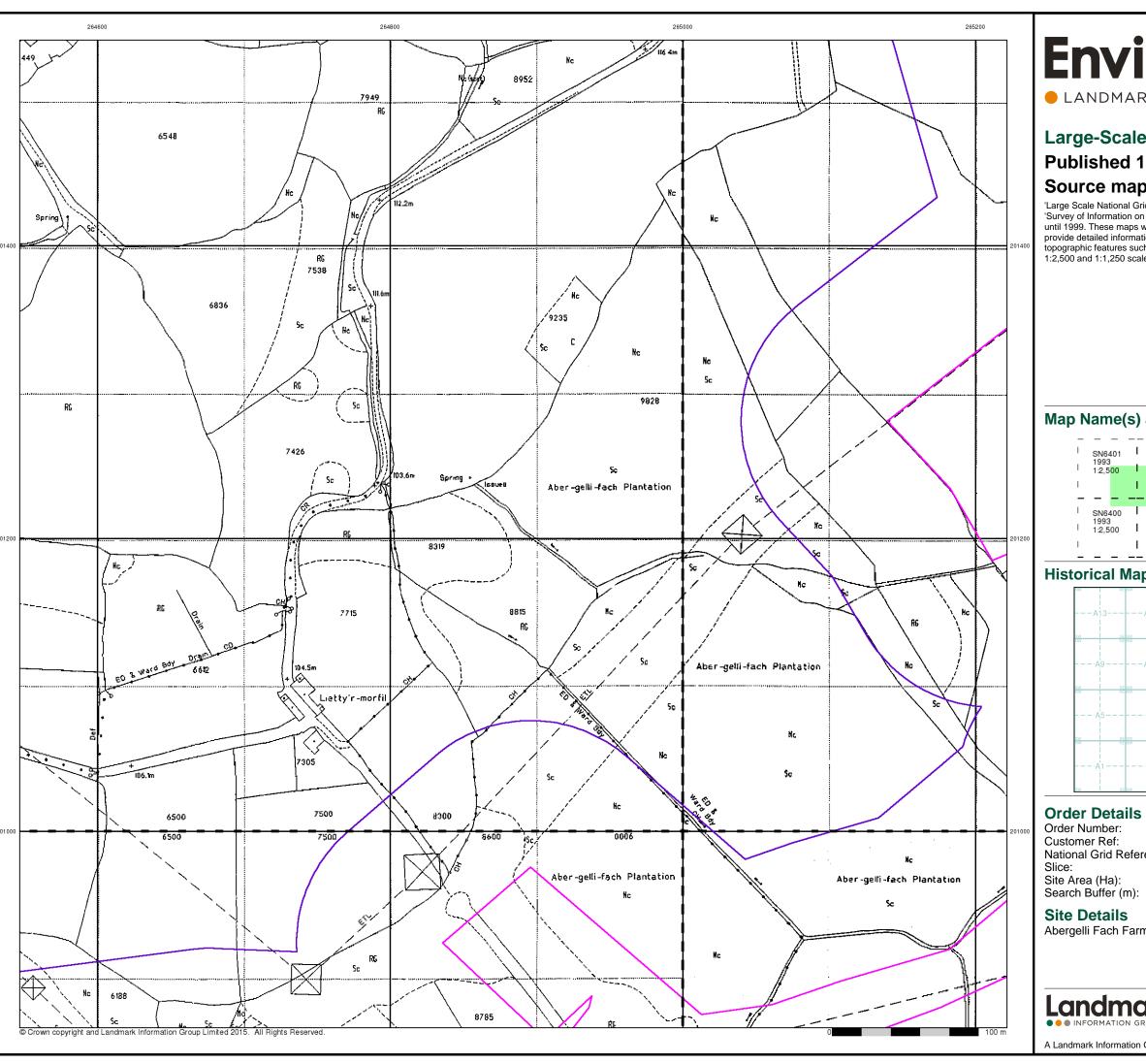












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## **Large-Scale National Grid Data**

## **Published 1993**

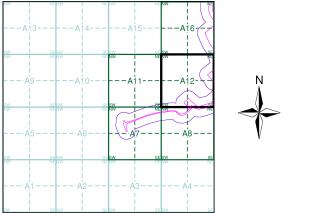
## Source map scale - 1:2,500

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

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

1	SN6		- 1	SN6501	ı
1	1993 1:2,5			1993 1:2,500	- 1
1			-1		ı
_	_	_			_
1	SN6		Т	SN6500	ı
1 1	SN6- 1993 1:2,5	3	I	SN6500 1993 1:2,500	 
1 1 1	1993	3	     	1993	1 1 1

## **Historical Map - Segment A12**



142844199\_1\_1 60542910 National Grid Reference: 264270, 200830

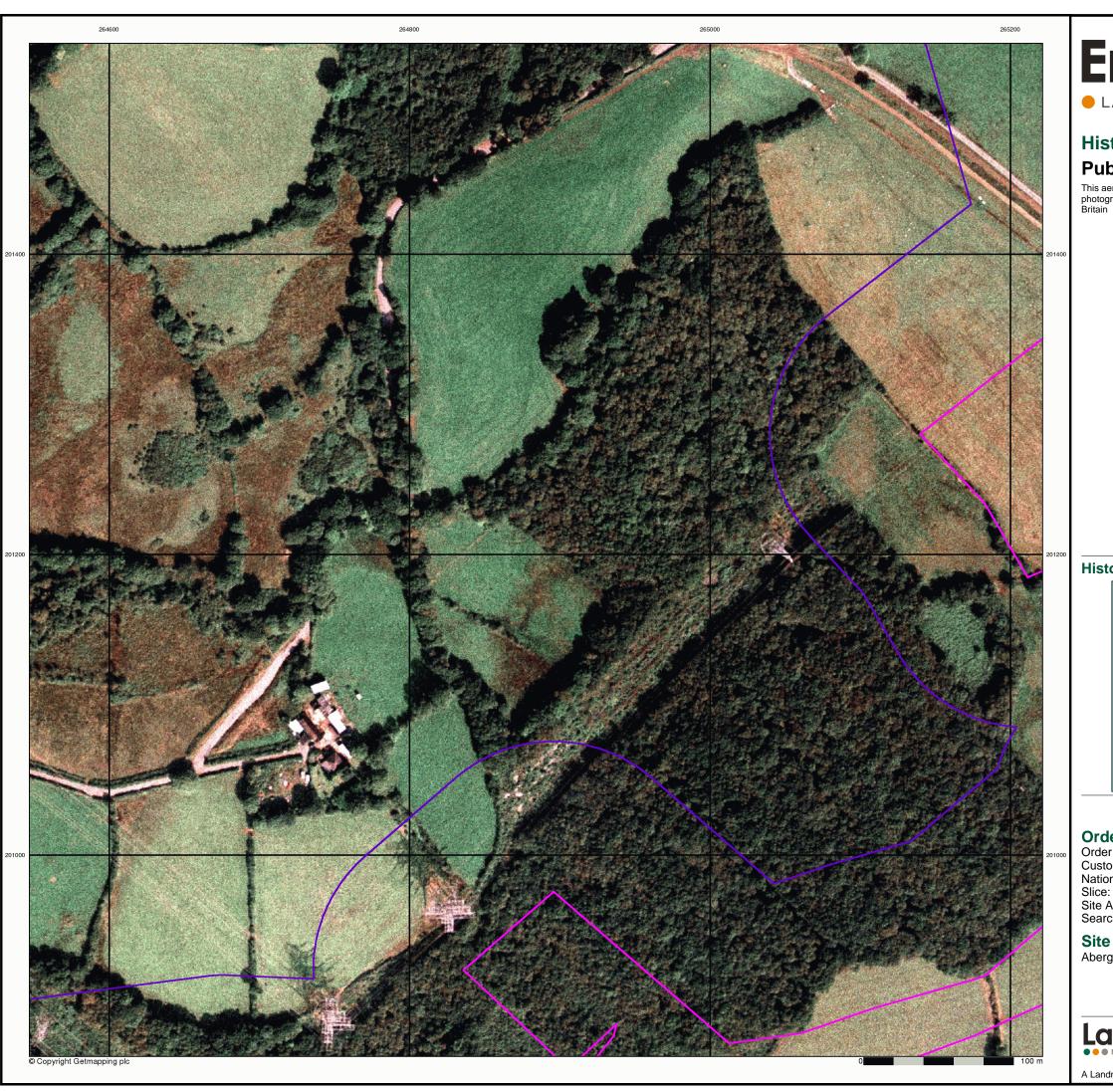
32.39

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN



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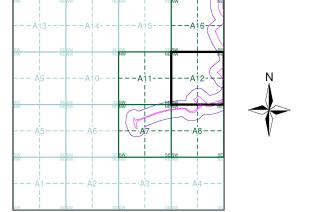


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## Historical Aerial Photography Published 2000

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

## **Historical Aerial Photography - Segment A12**



## **Order Details**

Order Number: 142844199\_1\_1
Customer Ref: 60542910
National Grid Reference: 264270, 200830

Slice: A
Site Area (Ha): 32.39
Search Buffer (m): 100

## **Site Details**

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

Landmark ®

el: 0844 844 9952 ax: 0844 844 9951 /eb: www.envirocheck.co.uk

A Landmark Information Group Service v50.0 13-Oct-2017 Page 13 of 13

Order Details:

Order Number: 142844199 Customer Ref: 60542910 National G 200830

Slice:

Site Area (Ha): 32.39 Search Buffer (m): 1000

Site Details:

Abergelli F Felindre **SWANSEA SA5 7NN** 

File Name Map Series Published I Source Scale 142844199 Glamorgan 1898-1899 1:2,500 142844199 Ordnance ! 1962 1:2,500 142844199 Ordnance ! 1962 1:2,500 142844199 Glamorgan 1898 1:2,500 142844199 Ordnance 11959-1962 1:2,500 142844199 Ordnance ! 1975 1:2,500 1916 1:2,500 142844199 Glamorgan 142844199 Ordnance 11961-1962 1:2,500 142844199 Ordnance 11961-1962 1:2,500 142844199 Glamorgan 1898 1:2,500 142844199 Glamorgan 1876-1877 1:2,500 142844199 Ordnance 11959-1962 1:2,500

142844199 Glamorgan 1916-1918 1:2,500 142844199 Glamorgan 1877 1:2,500 142844199 Glamorgan 1877 1:2,500

142844199 Ordnance ! 1975 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1898-1899 1:2,500 142844199 Glamorgan 1876-1877 1:2,500 142844199 Ordnance ! 1975 1:2,500

142844199 Glamorgan 1916-1918 1:2,500 142844199 Ordnance ! 1961 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1898-1899 1:2,500

142844199 Glamorgan 1935 1:2,500 142844199 Ordnance ! 1962 1:2,500 142844199 Ordnance 11961-1962 1:2,500 1961 1:2,500 142844199 Ordnance !

142844199 Glamorgan 1876-1877 1:2,500

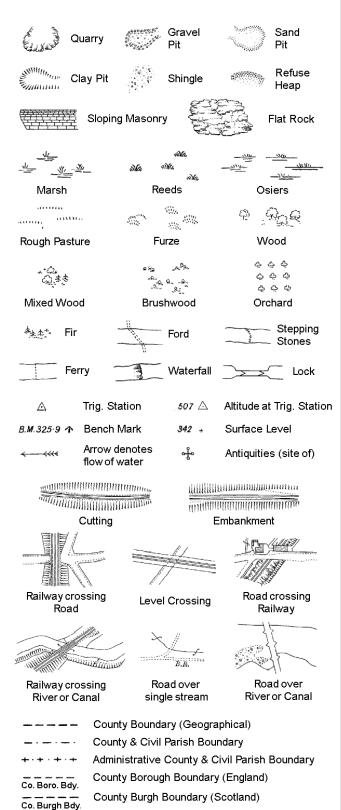
142844199 Ordnance ! 1975 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1916 1:2,500

142844199 Glamorgan 1916-1918 1:2,500 142844199 Additional 1990 1:2,500

142844199 Additional 1990 1:2,500 142844199 Additional 1988-1990 1:2,500 142844199 Additional 1989-1992 1:2,500 142844199 Additional 1986-1992 1:2,500 142844199 Additional 1989-1990 1:2,500 142844199 Additional 1989-1990 1:2,500 142844199 Additional 1989-1990 1:2,500 14284419! Supply of L 1973 1:2,500 142844195 Supply of L 1973-1975 1:2,500 142844195 Supply of L 1973-1975 1:2,500 14284419! Supply of L 1975 1:2,500 142844199 Supply of L 1973 1:2,500 142844199 Large-Scale 1993 1:2,500

## **Historical Mapping Legends**

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



B.R.

E.P

F.B.

M.S

Bridle Road

Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Guide Post or Board

Police Call Box

Telephone Call Box

Signal Post

Pump

Sluice

Spring

Trough Well

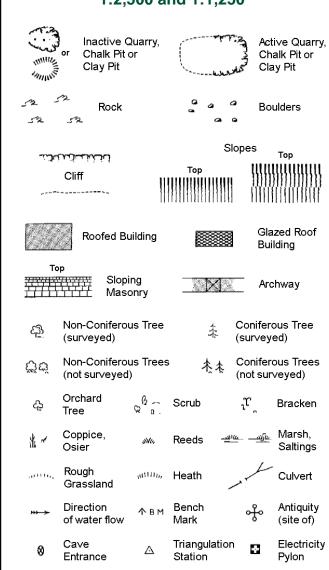
S.P

T.C.B

Sl.

 $T_T$ 

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** 

County Boundary (Geographical) County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary

mereing changes

вн	Beer House	Р	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
EIP	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
Н	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	WrPt,WrT	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Fn/DFn

GVC

Fountain / Drinking Ftn.

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

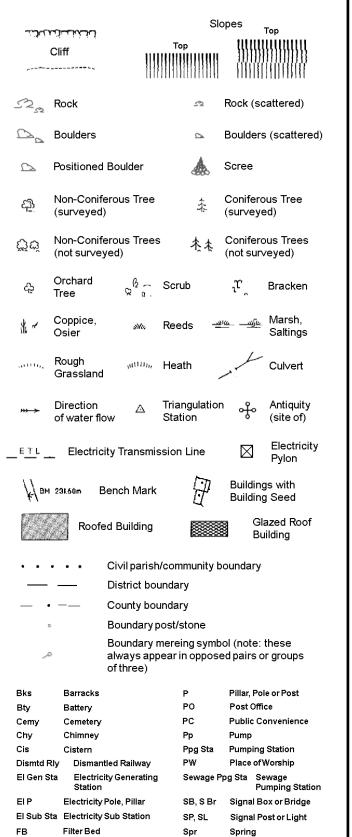
Works (building or area)

Tr

Wd Pp

Wks

## 1:1,250



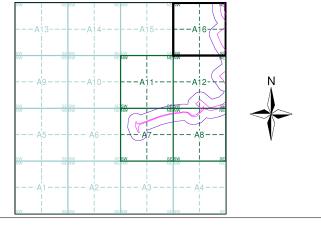
## **Envirocheck**®

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## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1876 - 1877	2
Glamorganshire	1:2,500	1898 - 1899	3
Glamorganshire	1:2,500	1916 - 1918	4
Glamorganshire	1:2,500	1935	5
Ordnance Survey Plan	1:2,500	1961	6
Ordnance Survey Plan	1:2,500	1961	7
Supply of Unpublished Survey Information	1:2,500	1975	8
Additional SIMs	1:2,500	1986 - 1992	9
Additional SIMs	1:2,500	1989 - 1990	10
Large-Scale National Grid Data	1:2,500	1993	11
Historical Aerial Photography	1:2,500	2000	12
	•	•	

## **Historical Map - Segment A16**



### **Order Details**

Order Number: 142844199\_1\_1 60542910 Customer Ref: National Grid Reference: 264270, 200830 Slice:

Site Area (Ha):

32.39 Search Buffer (m): 100

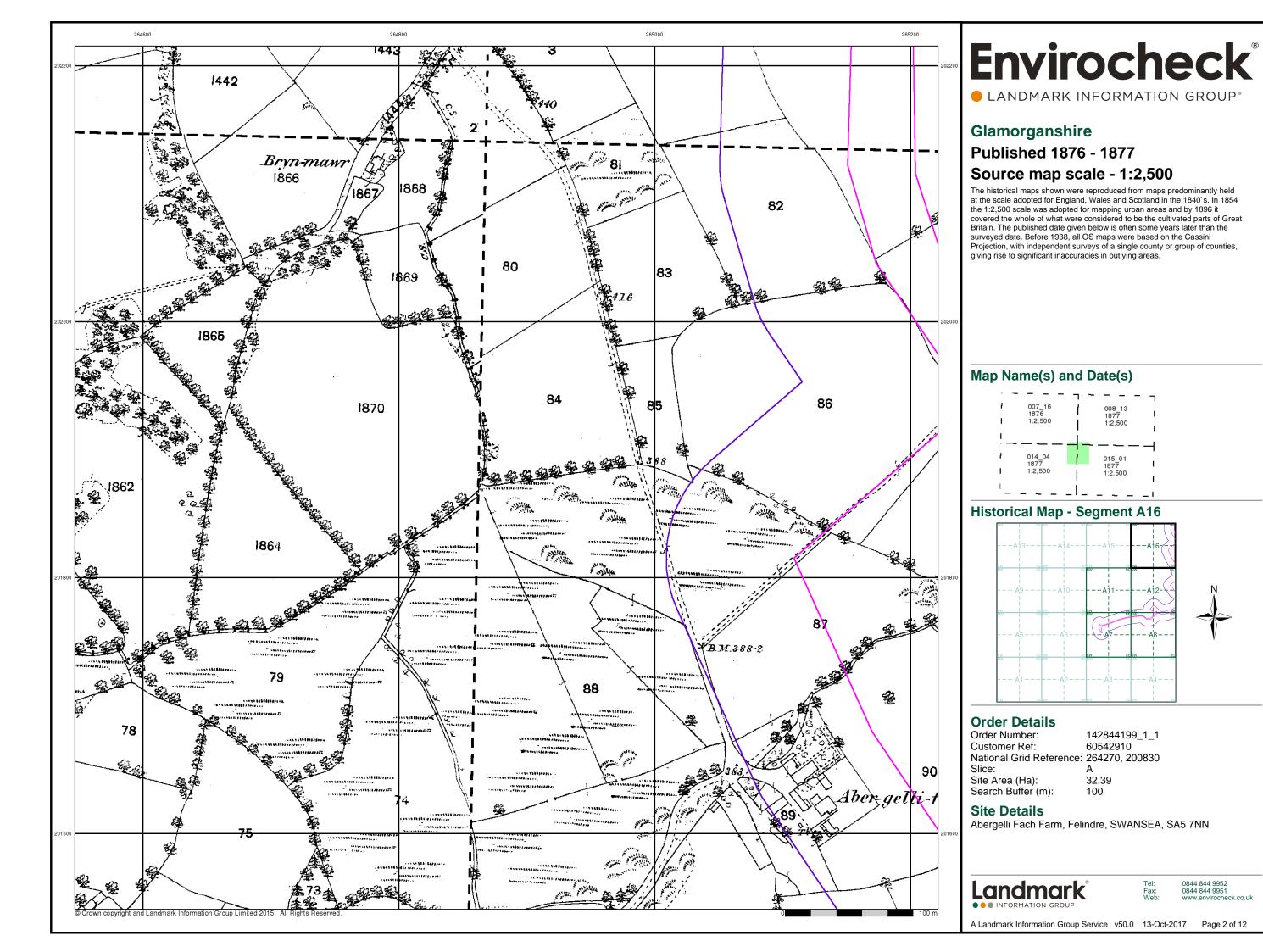
### **Site Details**

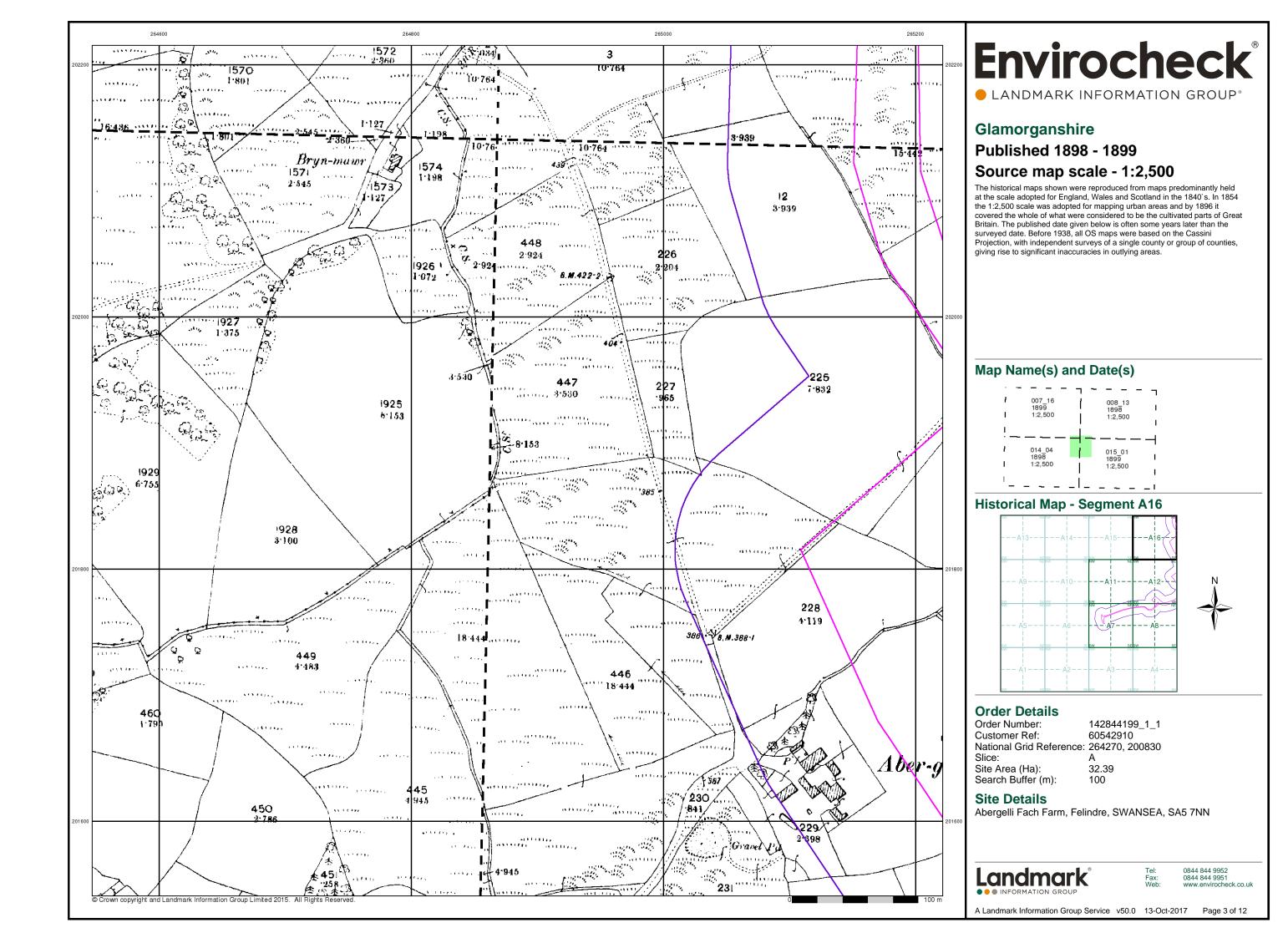
Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

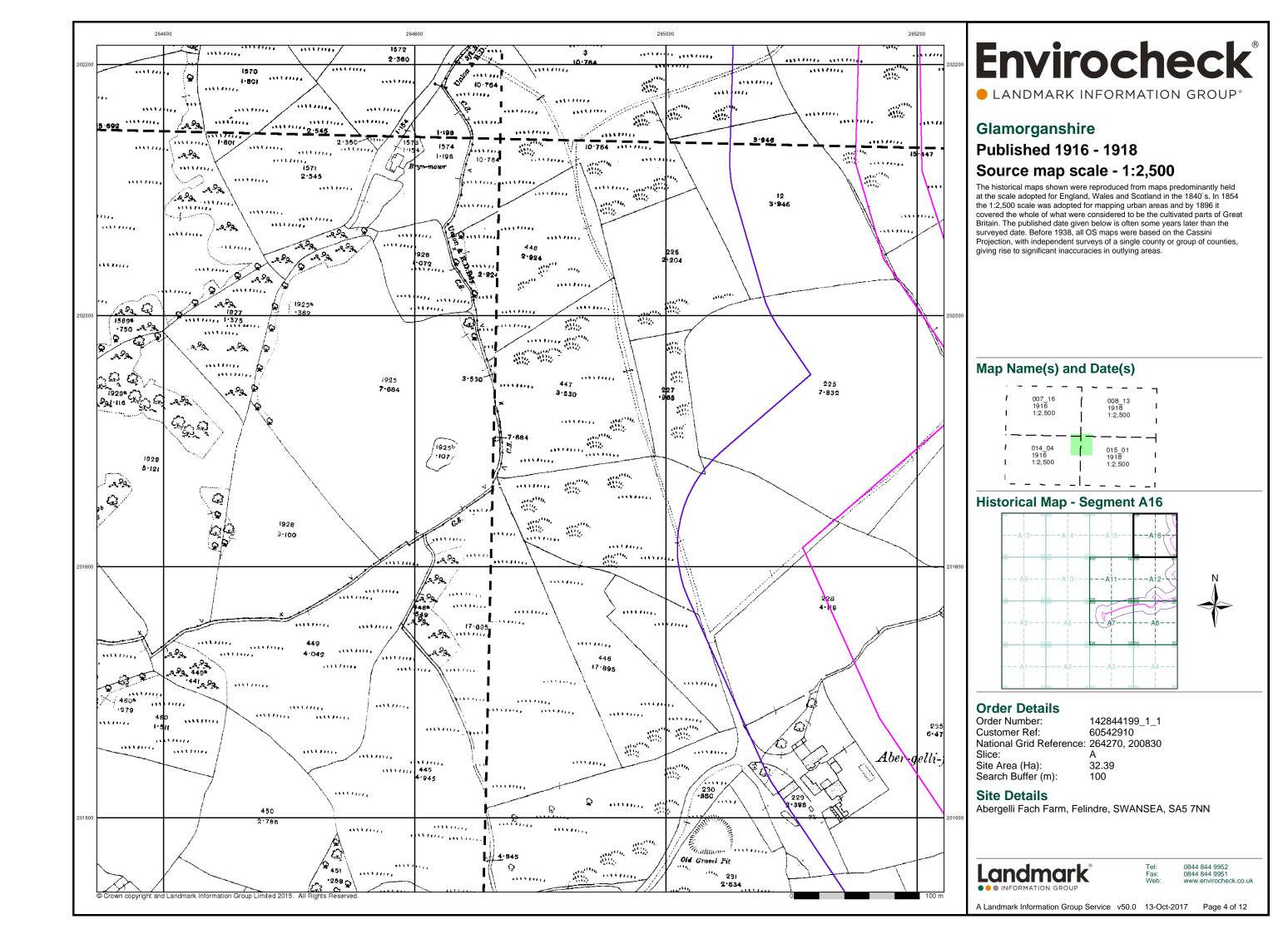


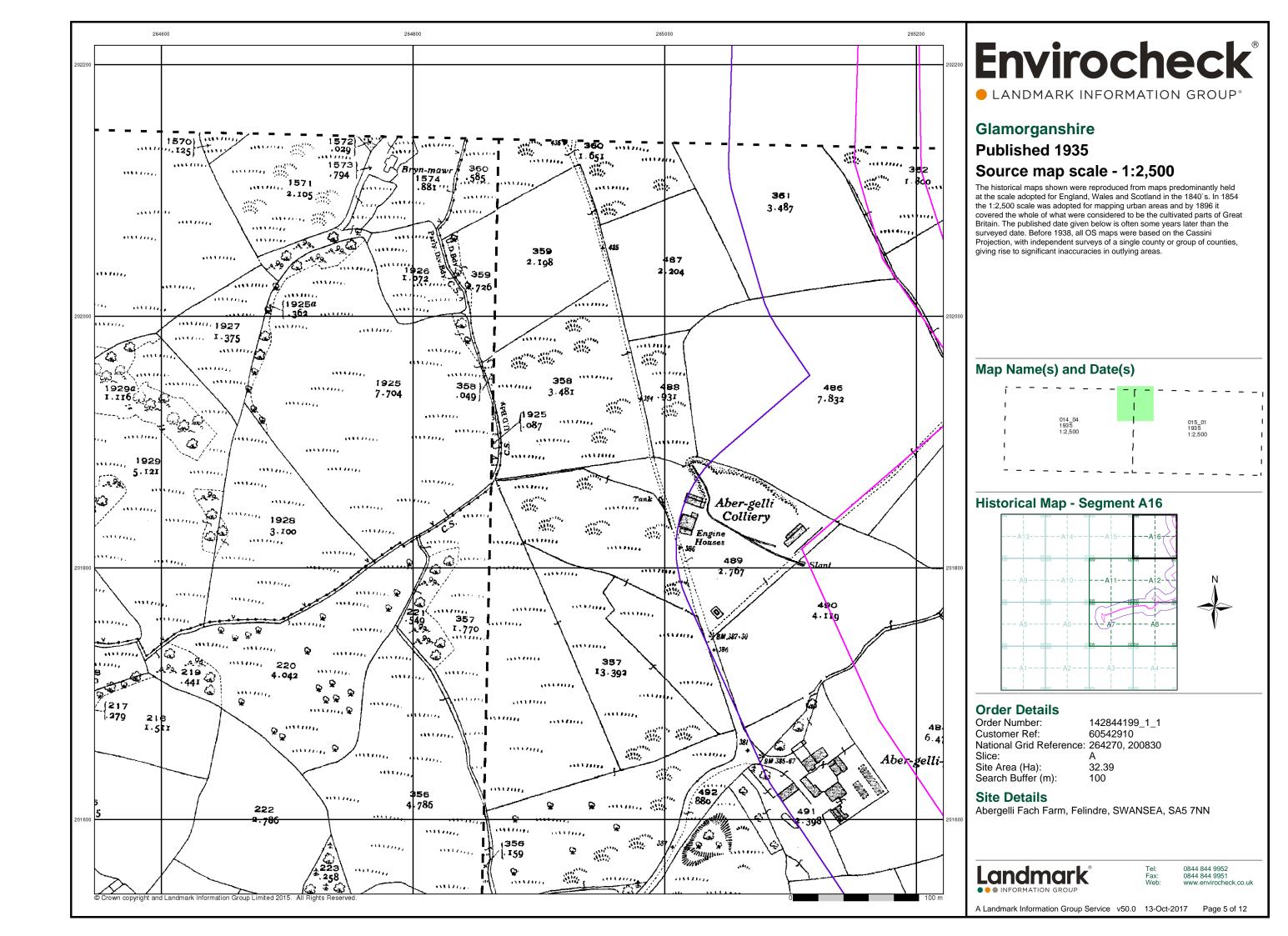
0844 844 9952 0844 844 9951

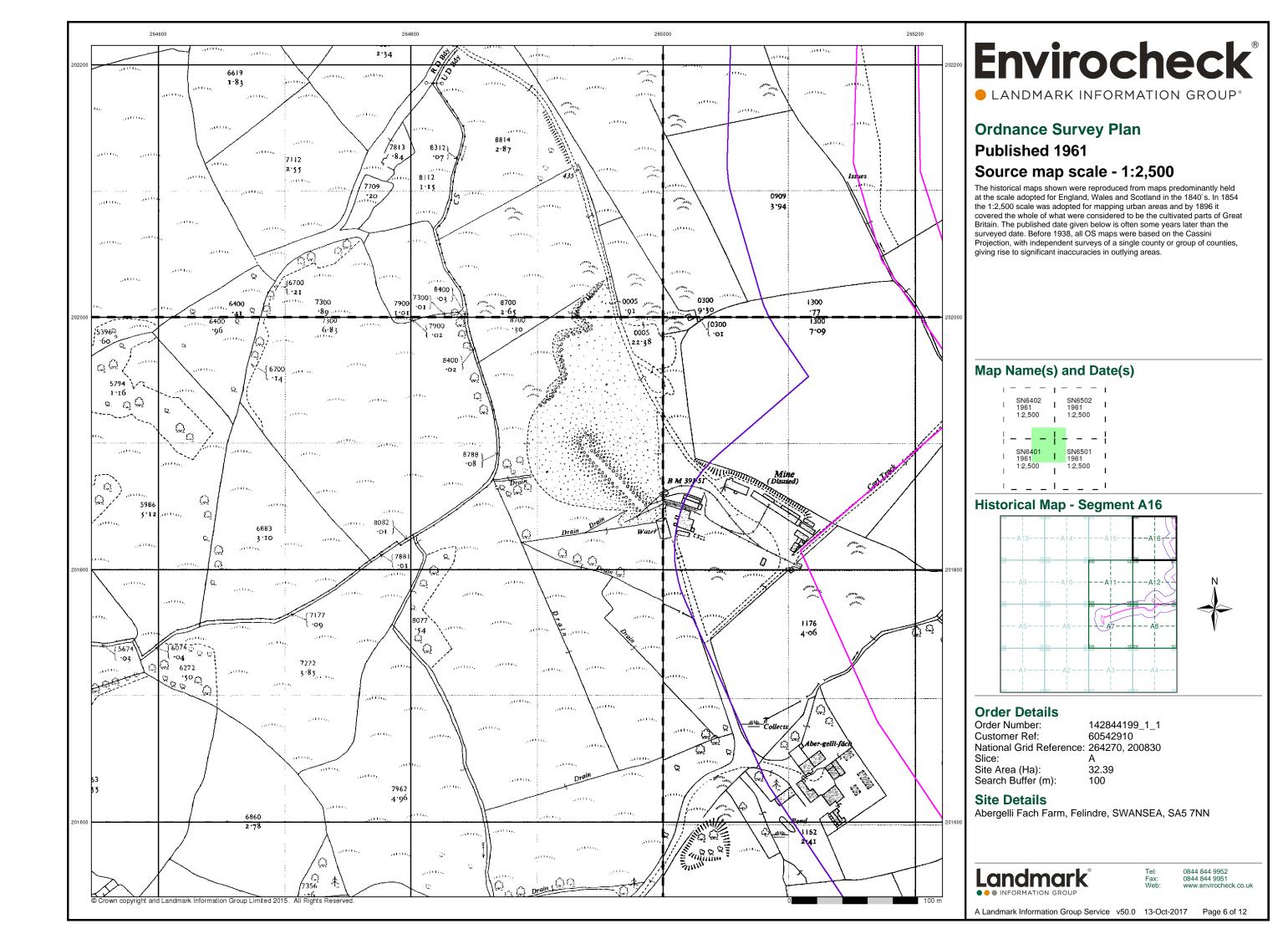
A Landmark Information Group Service v50.0 13-Oct-2017 Page 1 of 12

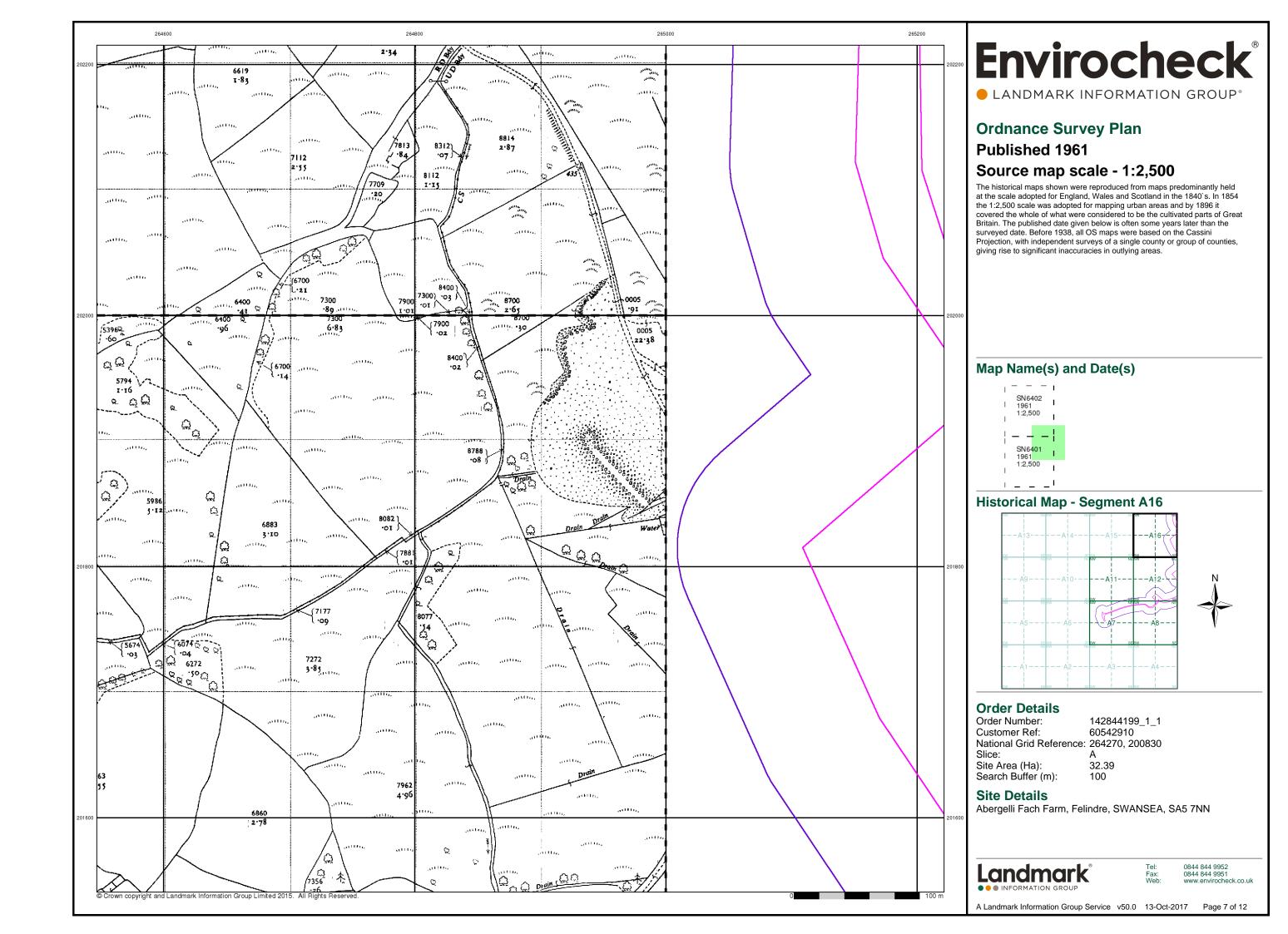


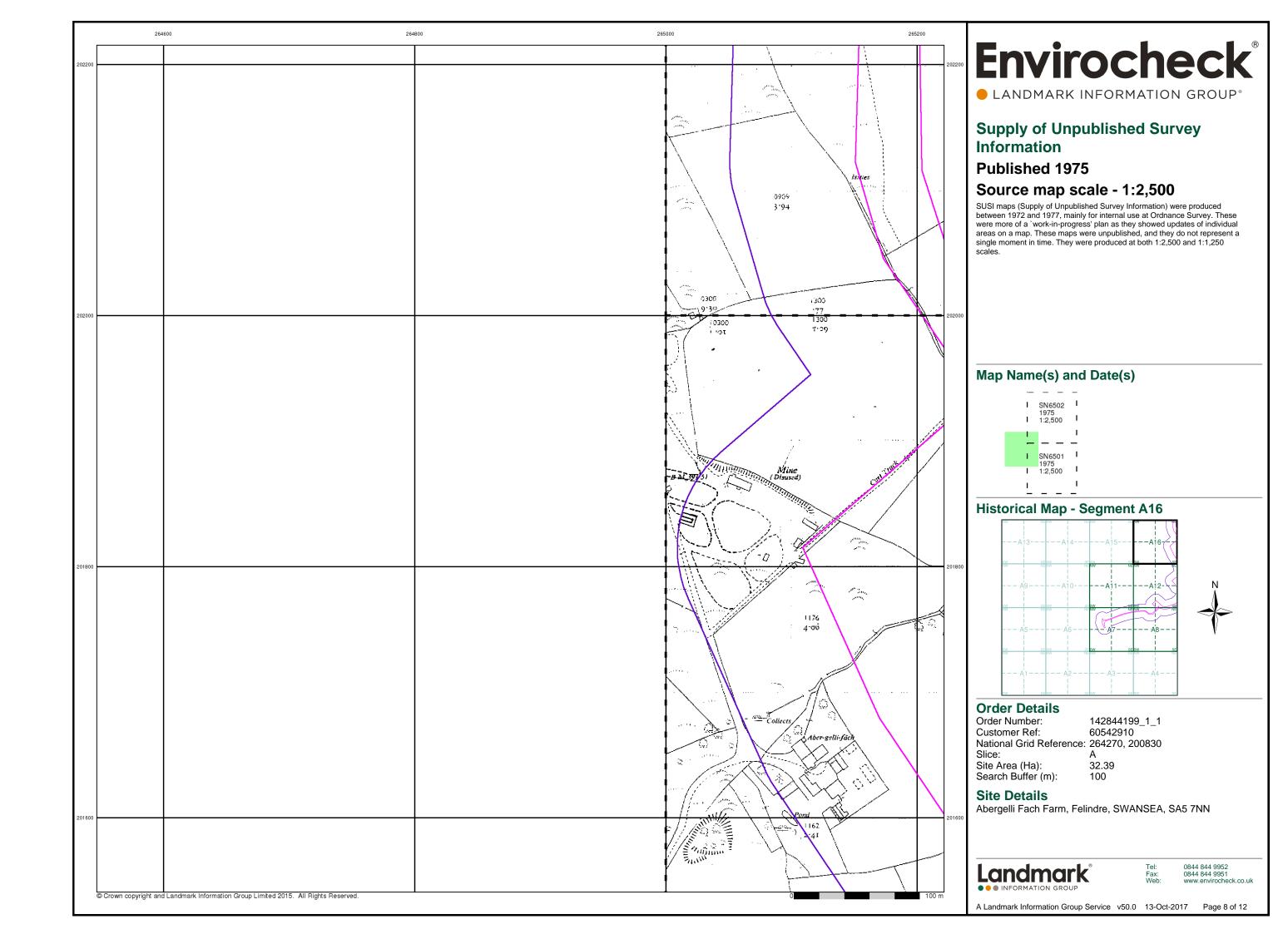


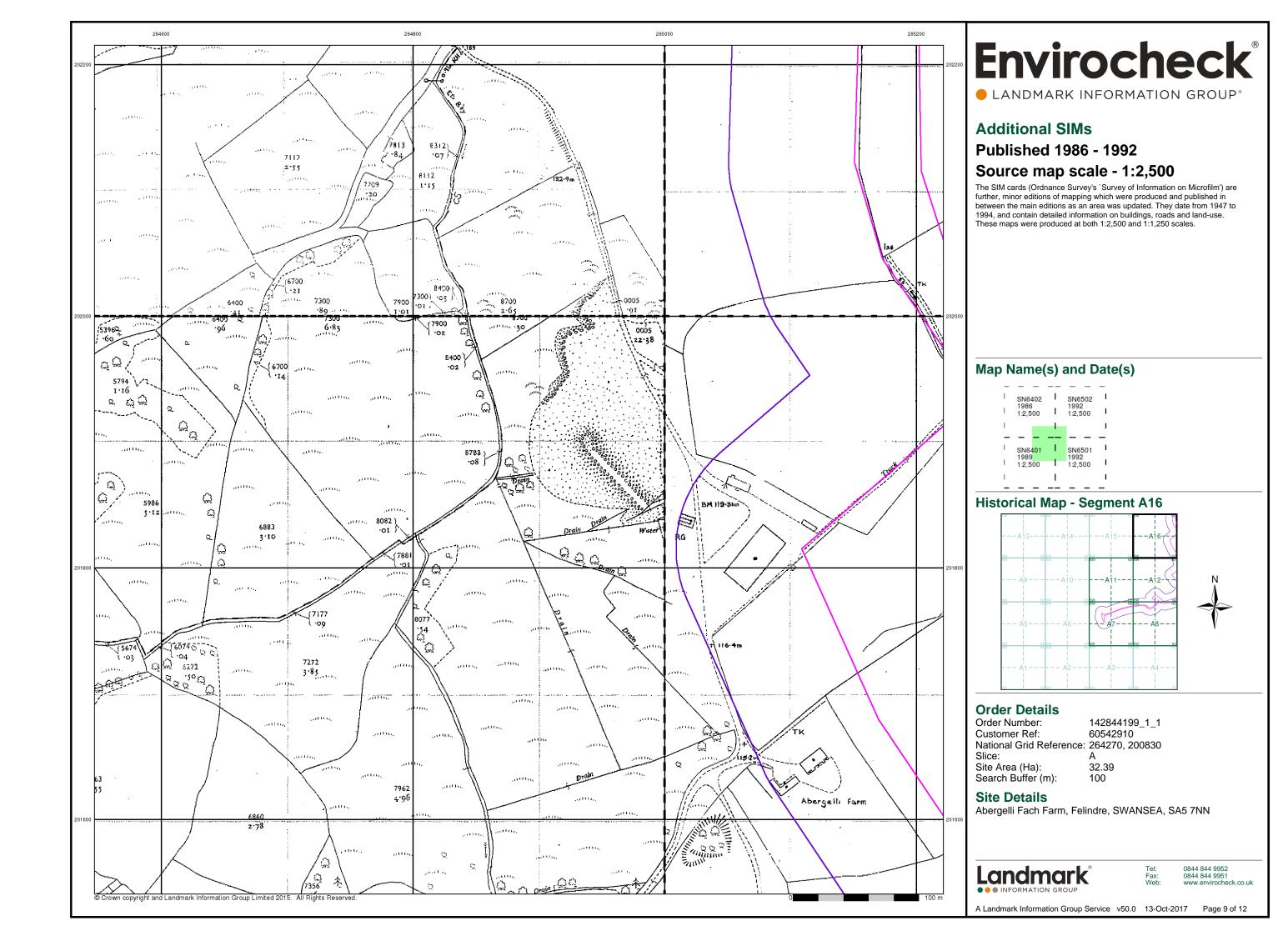


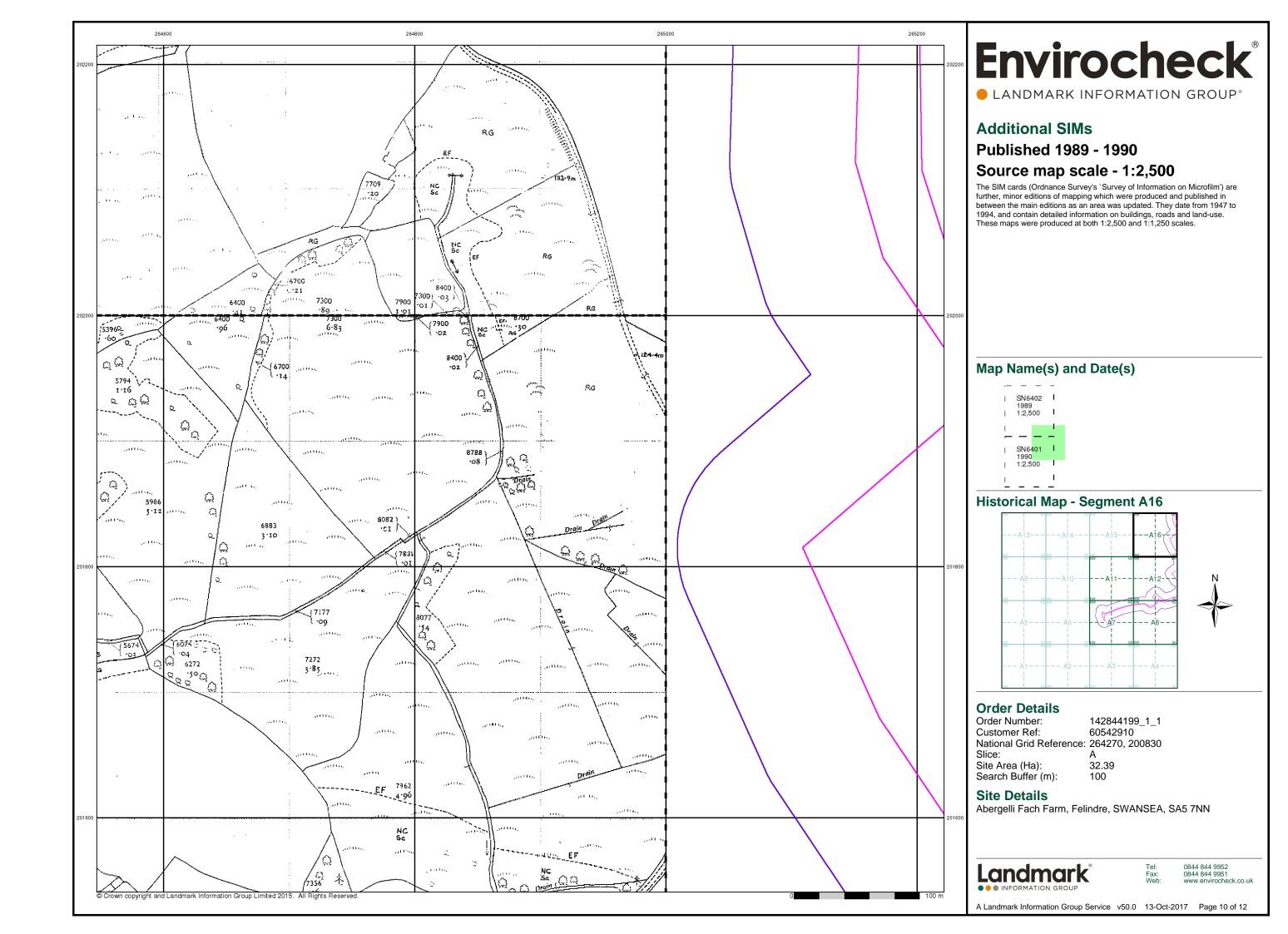


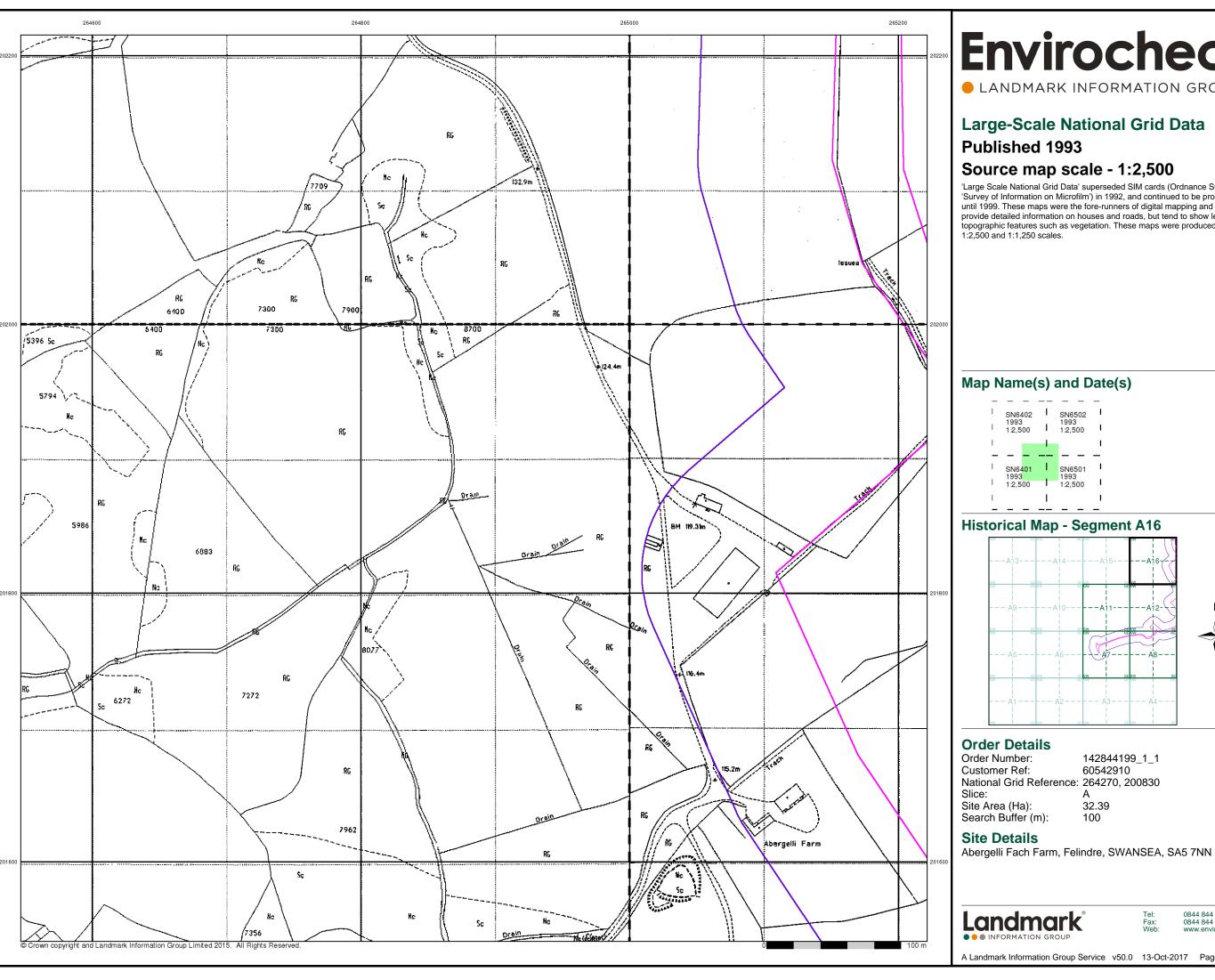








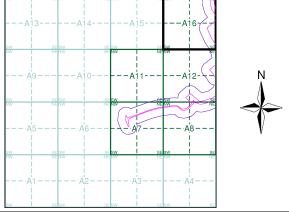




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## **Large-Scale National Grid Data**

'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.



National Grid Reference: 264270, 200830

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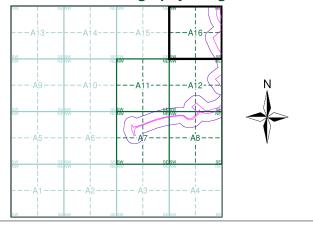


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## **Historical Aerial Photography** Published 2000

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

## **Historical Aerial Photography - Segment A16**



## **Order Details**

Order Number: 142844199\_1\_1
Customer Ref: 60542910
National Grid Reference: 264270, 200830

32.39 100 Site Area (Ha): Search Buffer (m):

## **Site Details**

Abergelli Fach Farm, Felindre, SWANSEA, SA5 7NN

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Order Details:

Order Number: 142844199 Customer Ref: 60542910 National G 200830

Slice:

Site Area (Ha): 32.39 Search Buffer (m): 1000

Site Details:

Abergelli F Felindre **SWANSEA SA5 7NN** 

File Name Map Series Published I Source Scale 142844199 Glamorgan 1898-1899 1:2,500 142844199 Ordnance ! 1962 1:2,500 142844199 Ordnance ! 1962 1:2,500 142844199 Glamorgan 1898 1:2,500 142844199 Ordnance 11959-1962 1:2,500 142844199 Ordnance ! 1975 1:2,500 1916 1:2,500 142844199 Glamorgan 142844199 Ordnance 11961-1962 1:2,500 142844199 Ordnance 11961-1962 1:2,500 142844199 Glamorgan 1898 1:2,500 142844199 Glamorgan 1876-1877 1:2,500 142844199 Ordnance 11959-1962 1:2,500

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142844199 Ordnance ! 1975 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1935 1:2,500 142844199 Glamorgan 1916 1:2,500

142844199 Glamorgan 1916-1918 1:2,500 142844199 Additional 1990 1:2,500

142844199 Additional 1990 1:2,500 142844199 Additional 1988-1990 1:2,500 142844199 Additional 1989-1992 1:2,500 142844199 Additional 1986-1992 1:2,500 142844199 Additional 1989-1990 1:2,500 142844199 Additional 1989-1990 1:2,500 142844199 Additional 1989-1990 1:2,500 14284419! Supply of L 1973 1:2,500 142844195 Supply of L 1973-1975 1:2,500 142844195 Supply of L 1973-1975 1:2,500 14284419! Supply of L 1975 1:2,500 142844199 Supply of L 1973 1:2,500 142844199 Large-Scale 1993 1:2,500

## **Geology 1:10,000 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
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

## **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SUPNM	Superficial Theme Not Mapped [For Digital Map Use Only]	Unknown/Unclassifie d Entry	Not Supplied - Not Supplied
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	TILLD	Till, Devensian	Diamicton	Devensian - Ipswichian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Devensian - Ipswichian
	PEAT	Peat	Peat [Unlithified Deposits Coding Scheme]	Quaternary - Ryazanian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Quaternary - Ryazanian

### **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
	GDB	Grovesend Formation	Sandstone	Westphalian D - Westphalian D
	SW	Swansea Member	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	Fault			
	Rock			

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## **Geology 1:10,000 Maps**

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a 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.

Map ID:

Map Name:

Map Date:

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

## **Geology 1:10,000 Maps Coverage**

Map ID: SN60SE Map Name: Map Date: 1972 Bedrock Geology: Available Superficial Geology: Available Artificial Geology: Available Landslip: **Rock Segments:** Map ID: Map Name:

Map Date:

Landslip:

**Rock Segments:** 

Available Available Available SS69NE 1975 Available Bedrock Geology: Superficial Geology: Available Artificial Geology: Available Available Not Available Available

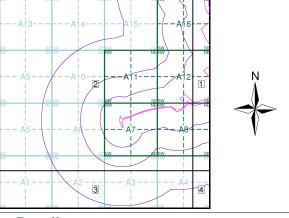
Available Bedrock Geology: Superficial Geology: Available Artificial Geology: Available Faults: Available Landslip: **Rock Segments:** Map ID: Map Name: Map Date: Bedrock Geology: Superficial Geology:

Available Available SS69NW 1969 Available Available **Artificial Geology:** Available Faults: Available Landslip: Available **Rock Segments:** Available

SN60SW

1966

## Geology 1:10,000 Maps - Slice A



### **Order Details**

Order Number: 142844199\_1\_1 Customer Ref: 60542910 National Grid Reference: 264270, 200830

Slice:

32.39 Site Area (Ha): Search Buffer (m): 1000

### **Site Details**

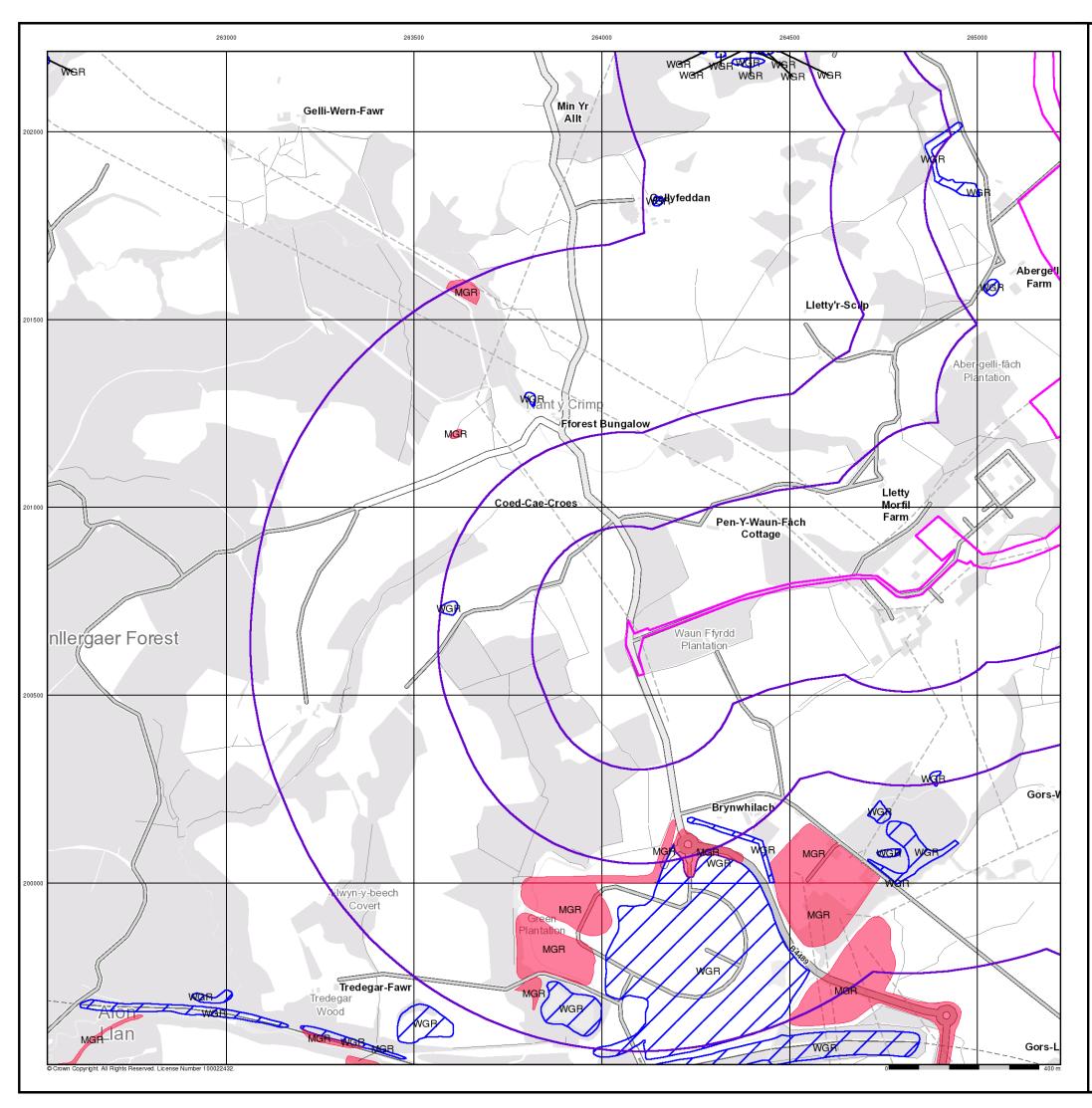
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## **Artificial Ground and Landslip**

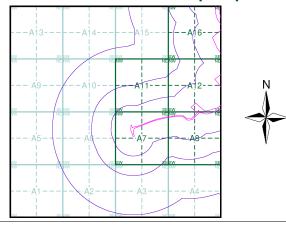
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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 guarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
- Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

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

## **Artificial Ground and Landslip Map - Slice A**



### **Order Details**

Order Number: 142844199\_1\_1 Customer Ref: 60542910 National Grid Reference: 264270, 200830

Slice:

Site Area (Ha): 32.39 Search Buffer (m): 1000

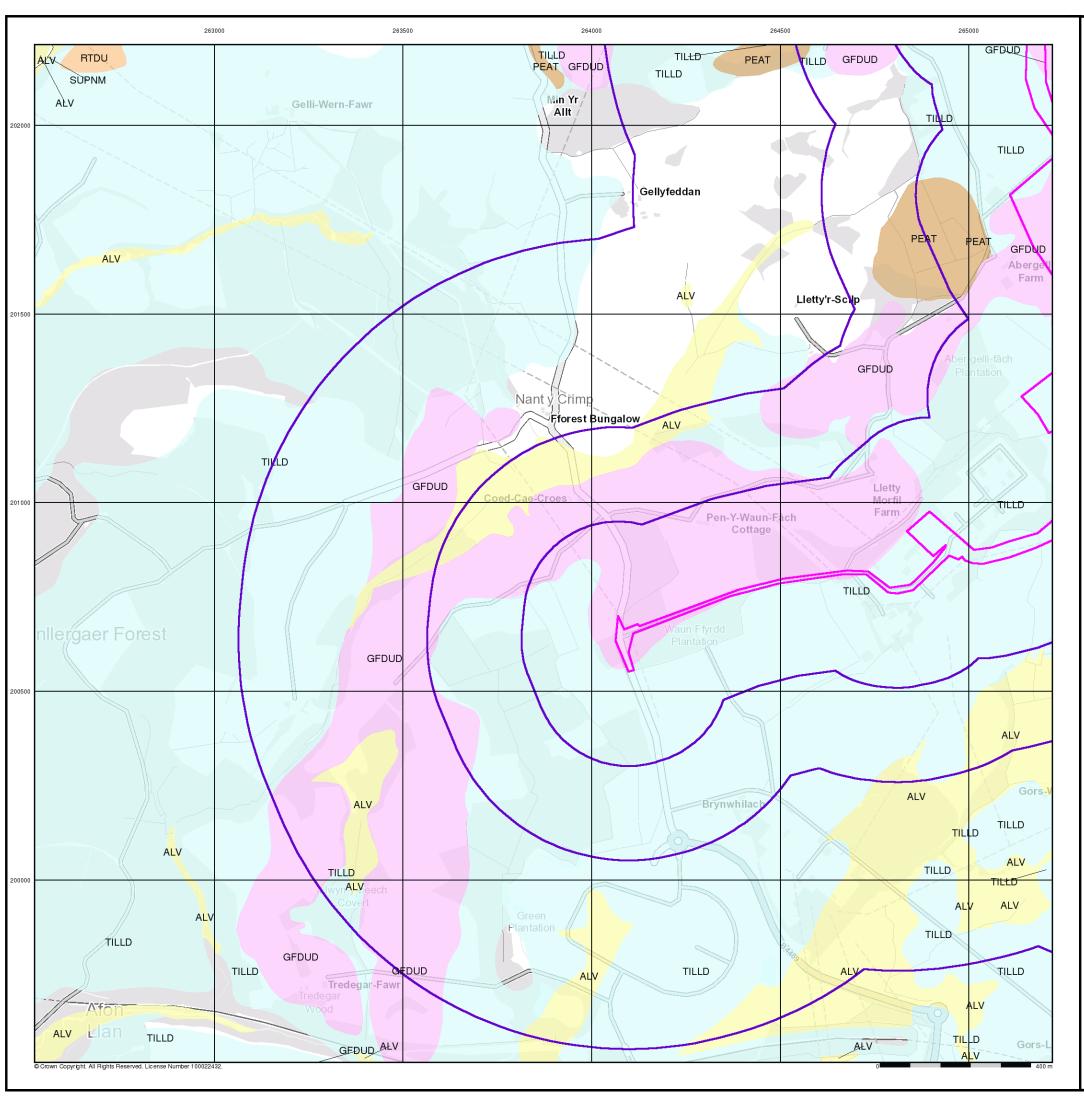
### **Site Details**

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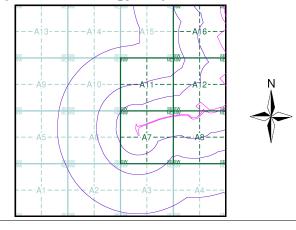
## **Superficial Geology**

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

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

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

## **Superficial Geology Map - Slice A**



## **Order Details**

Order Number: 142844199\_1\_1 Customer Ref: 60542910 National Grid Reference: 264270, 200830

Slice:

Site Area (Ha): 32.39 Search Buffer (m): 1000

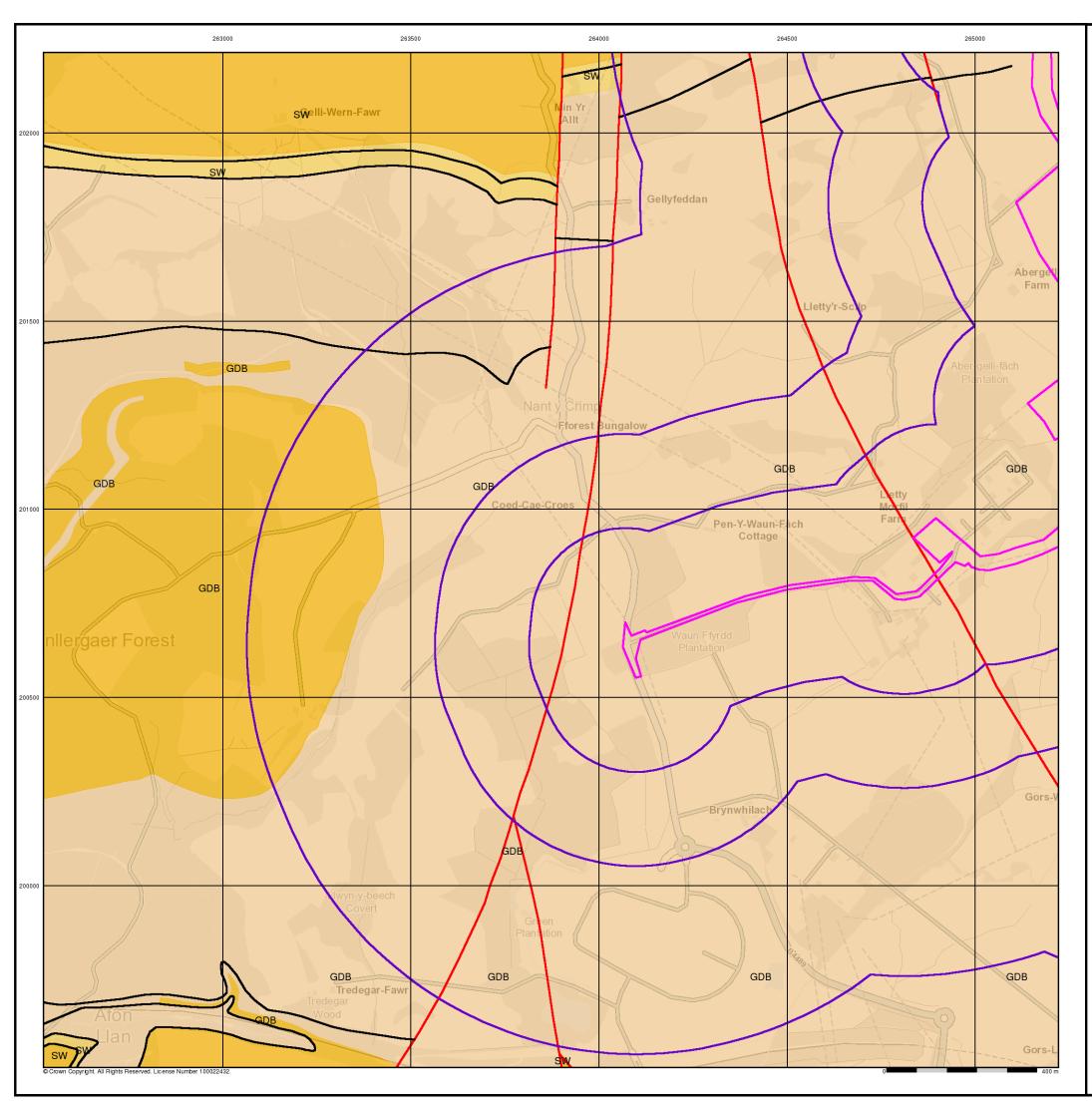
## **Site Details**

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## **Bedrock and Faults**

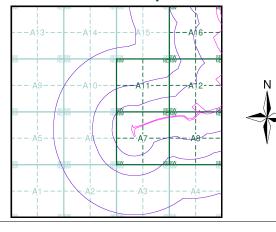
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits

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

The BGS Faults and Rock Segments dataset includes geological faults and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

## **Bedrock and Faults Map - Slice A**



## **Order Details**

Order Number: 142844199\_1\_1 Customer Ref: 60542910 National Grid Reference: 264270, 200830

Slice:

Site Area (Ha): Search Buffer (m): 32.39 1000

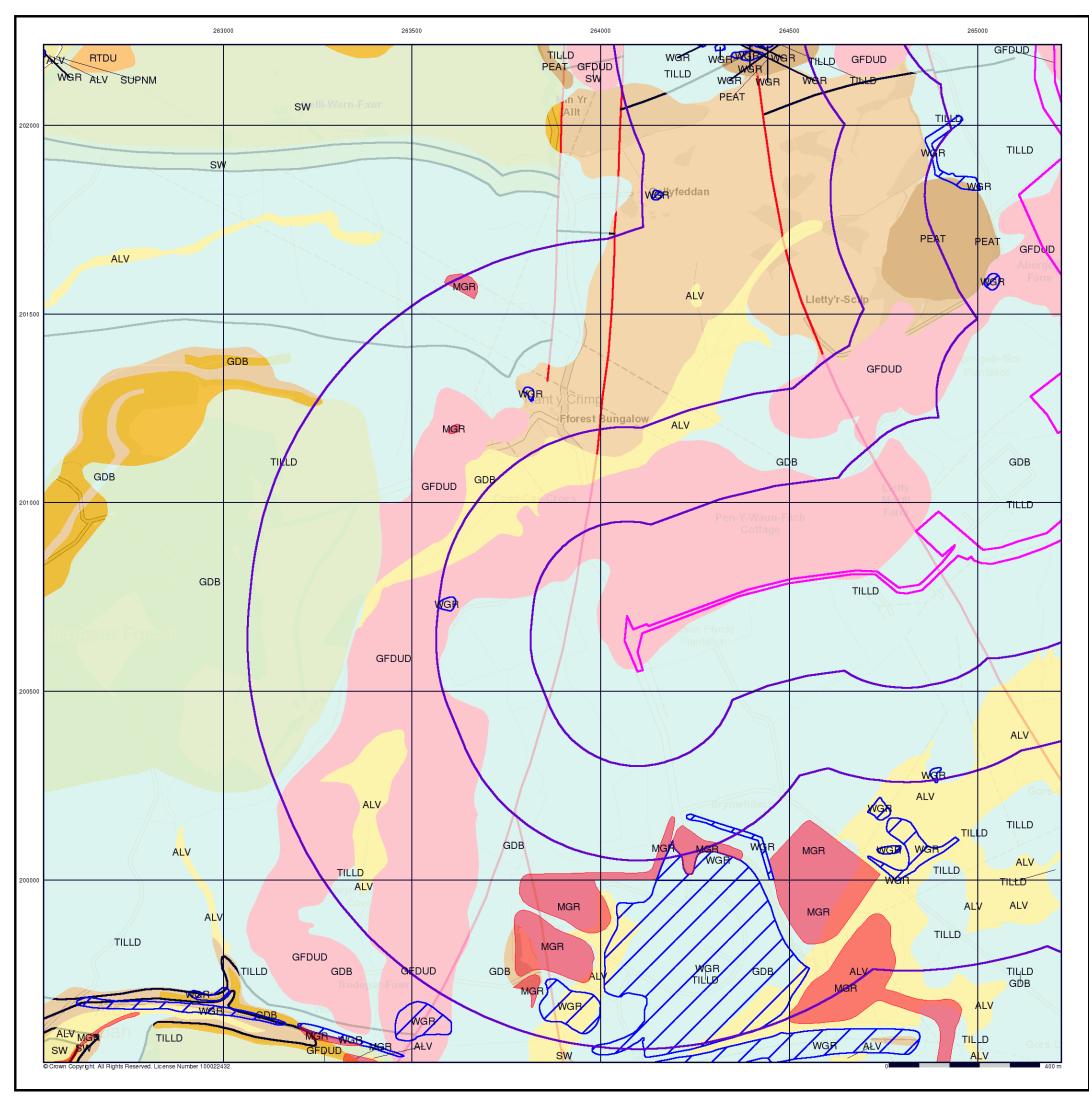
### **Site Details**

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## **Combined Surface Geology**

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

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

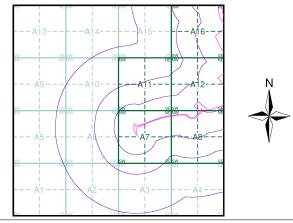
### **Additional Information**

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

#### Contact

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

## **Combined Geology Map - Slice A**



### **Order Details**

Order Number: 142844199\_1\_1 Customer Ref: 60542910 National Grid Reference: 264270, 200830

Slice:

Site Area (Ha): 32.39 Search Buffer (m): 1000

### **Site Details**

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