

**Monmouthshire Housing Association**

**LAND EAST OF A465, ABERGAVENNY**

**Desk Study Report**

12898/LP/21/DS

**CLIENT: Monmouthshire Housing Association**

**PROJECT: Land East of A465, Abergavenny**

**TITLE: Desk Study Report**

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Geotechnical Engineers:

Intégral Géotechnique (Wales) Limited  
Integral House  
7 Beddau Way  
Castlegate Business Park  
Caerphilly  
CF83 2AX

Tel: 029 2080 7991



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## EXECUTIVE SUMMARY

Intégral Géotechnique have been appointed by Monmouthshire Housing Association who are in the process of preparing an LDP submission in support of promoting a site to the east of the A465 in Abergavenny, as an allocation for residential and mixed end-use.

<b>SITE INFORMATION</b>	<b>Client</b>	Monmouthshire Housing Association
	<b>Site &amp; Location</b>	Land East of A465, Abergavenny
	<b>Site Description &amp; Current Use</b>	The site occupies an area of approximately 25 hectares. The site currently comprises a number of grass covered fields which are separated by existing vegetated hedgerows, with the fields used for animal grazing and harvested for hay. Surface water features flow east west across the site. There are current farm buildings within the northern area of the site and on the western boundary. Roc House Farm is also located within the western area of the site.
	<b>Proposed Development</b>	The proposed development is for residential end use including associated infrastructure and landscaped/garden areas. There will be some mixed-use areas, attenuation/green infrastructure and a primary school and community hub area.

<b>DESK STUDY</b>	<b>Site History</b>	The site has remained as undeveloped fields utilised as agricultural land. There has been farm buildings present within the site over the years which have been reconfigured and/or demolished. Roc House Farm was constructed within the western area of the site by the 1990's.
	<b>Geology</b>	The site is underlain by St Maughans Formation with overlying superficial Devensian Till deposits
	<b>Radon</b>	No radon protective measures would be required within any new developments or extensions within the site.
	<b>Hydrogeology, Hydrology &amp; Flooding</b>	A number of surface water features cross the site with the Gavenny River located 363m northwest and the River Usk located 614m west. Bedrock beneath the site classified as a Secondary 'A' Aquifer. Superficial deposits classified as a Secondary Aquifer-Undifferentiated. No active discharge consents recorded within 500m of the site. Four surface water abstractions recorded from springs located between 46m and 343m to the northeast and east. Secondary superficial aquifer has a medium to high vulnerability and secondary bedrock aquifer has a high vulnerability. The site is not at risk from extreme flooding from rivers or seas without defences. Low lying northwest area of the site has a high risk to surface water flooding. Majority of the site is not at risk to surface water flooding. Limited potential for groundwater flooding to occur, with northwest area indicating risk of groundwater flooding of property situated below ground level.
<b>Environmental Sensitivity</b>	There are no current or historical landfills present within 500m of the site. The River Usk is considered to be a sensitive receptor to phosphate pollution	

<b>POTENTIAL CONTAMINATION</b>	<b>Previous Uses</b>	Fertilizers, pesticides, and herbicides from use as farmland. Possible metals, semi metals, non-metals, PAH, asbestos if any localised made ground is present. Possible ACM within the building fabric
	<b>Existing Site Uses</b>	Current uses would not cause any additional contamination issues.
	<b>Adjacent Site Uses</b>	No significant contaminants.
	<b>Other Environmental Issues</b>	Areas of ancient woodland to the east. Minor pollution incidents to controlled waters recorded 167m to 174m to the west involving cement/mortar introduced into the Gavenny River. Nearest significant incident was recorded 363m to the north involving silage liquor.

<b>PRELIMINARY COCEPTUAL SITE MODEL, RISK ASSESSMENT AND GEOTECHNICAL HAZARDS</b>	<b>Critical Sensitive Receptor</b>	On-site residential receptor risk assessment is for a female child, with exposure from 0 to 6 years. Controlled waters receptor is groundwater within the St Maughans Formation, the surface water features which cross the site and the River Usk.
	<b>Potential Contamination Sources</b>	Localised areas of made ground in the vicinity of farm buildings, access tracks, gateways and field boundaries. Potential ACM within the building fabric. The risk of metals, semi-metals, inorganics and PAH could be present within the topsoil from historic farming practices and also residual levels of fertilizer, pesticides or herbicides within the natural soils. The natural soils also pose a risk of phosphate pollution.
	<b>Potential Exposure Pathways</b>	Dermal contact with soil and/or soil derived dust. Ingestion of soil and/or soil attached to homegrown produce. Ingestion of homegrown produce. Inhalation of soil derived dust. Inhalation of vapours – indoor and outdoor air. Leaching of contaminants from made ground to groundwater. Transportation of contaminants within groundwater. Ground gas generation and migration. Building materials durability.
	<b>Environmental Risk Assessment</b>	The overall risk for the site is considered to be Low/Medium
	<b>Geotechnical hazards</b>	Shrinkable clays could be present on site. Low bearing capacity/silt rich soils could be present on site. Allowances made for deepening foundations near trees. Allowances should be made for the removal and replacement of soft spots/areas. Care should be taken to protect formation from wet weather and site traffic. Variable foundation depths should be anticipated due to variable superficial deposits and localised additional disturbance in the vicinity of existing buildings. The sloping nature of the site will require careful geotechnical consideration with earthworks required in the form of cut and fill to create level development plateaux.
	<b>Site Investigation Proposals</b>	Windowless sampling/or trial pits could be used to examine the shallow ground conditions. Laboratory chemical testing to determine soil chemistry to include a range of organic and inorganic contaminants, and also screening for asbestos. Additional topsoil testing to screen for residual fertilisers, pesticides and/or herbicides. Laboratory geotechnical testing to determine soil plasticity. Allowances made for further works in the form of deeper boreholes if competent ground is not encountered at shallow depths.

This Executive Summary is part of Intégral Géotechnique (Wales) Limited Report No. 12898/LP/21/DS and should not be read in isolation.

## **1.0 INTRODUCTION**

### **1.1 GENERAL**

Monmouthshire Housing Association are in the process of preparing an LDP submission in support of promoting a site to the east of the A465 in Abergavenny, as an allocation for residential and mixed end-use.

Intégral Géotechnique (Wales) Limited have been appointed as the Geotechnical Engineers to undertake a geoenvironmental and geotechnical desk study of the site.

The objectives of the geoenvironmental and geotechnical appraisal are to:

- Assess the degree, nature and extent of possible contamination and its implications for ownership and site development
- Identify any geotechnical constraints on development
- Provide recommendations for physical site investigation works.

This report presents the findings of the desk study, and provides guidance on the scope of the geoenvironmental and geotechnical investigation.

The opinions and preliminary assessments presented are based on desk-based research and should be reviewed after intrusive investigation, if required.

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### **1.2 PROPOSED DEVELOPMENT**

The proposed development has not been finalised at this stage, but a Land Use Framework Plan and Illustrative Masterplan have been produced by Hammond Architectural Limited.

## **1.2 PROPOSED DEVELOPMENT** (CONTINUED)

The development will likely comprise mainly residential dwellings with associated infrastructure such as access roads, car parking areas and private driveways. The development will include areas of landscaping and private gardens. Areas within the western part of the site have been identified for attenuation/green infrastructure and with another area, within the eastern part of the site, identified for use as a school and community hub.

## **1.3 SCOPE OF WORKS**

The work instructed included a desk study of available information, together with development of an initial conceptual site model. The desk study comprised a review of:

- An Envirocheck Report obtained for the site
- Old Ordnance Survey maps covering the site, included within the Envirocheck Report
- A Radon Report obtained from the British Geological Survey
- Geological maps of the area provided by the British Geological Survey
- Natural Resources Wales groundwater vulnerability map and aquifer database for the area
- Existing site investigation data (if available)

A site walkover was also undertaken in addition to the desk-based research.

## **1.4 LIMITATIONS**

This document is intended to be a working document for further development in discussion with all concerned including the Local Planning Authority, Natural Resources Wales, and the NHBC as appropriate.

“Contamination” is taken throughout the report to mean the “presence of one or more potentially harmful substances as a result of human activity”. The use of the term in this way does not imply that harm is being or might be caused by the contamination. It should be noted that “contamination” can have different meanings under different regulatory regimes, for example, planning, building control and Part IIA of the Environmental Protection Act 1990. Naturally elevated concentrations of potentially harmful substances may also be of concern and the significance of any that have been found is also evaluated in this report.

## 2.0 THE SITE

### 2.1 SITE LOCATION AND DESCRIPTION

The site is located to the east of the A465 in Abergavenny at a National Grid Reference of 330870, 213670, see Figure 1.

The site is irregular in shape and occupies an area of approximately 25 hectares. The boundaries of the site are defined by undeveloped land and existing farm and individual residential properties to the east, undeveloped land to the north and south, and undeveloped land and the A465 to the west. A site plan is presented in Figure 2.

The site is located on sloping and undulating ground that generally rises to the east away from the River Usk, before rising more sharply from the foot of Skirrid Fach. The site rises from an approximate minimum elevation of 80m AOD adjacent to the road within the northwest area of the site to an approximate maximum elevation of 120m AOD along the eastern boundary of the site.

A site walkover was undertaken during July 2021. A number of photos taken during the site walkover, together with a photo location plan, are presented within Appendix A.

The site currently comprises a number of grass covered fields which are separated by existing vegetated hedgerows. Some of the fields had been harvested for hay and with the fields also rotated to graze livestock. Sheep and horses were grazing in the northern and southern fields at the time of the site walkover.

Surface water features flow along most of the east west orientated field boundaries and were found to be shallow features. A more established surface water feature, which flowed in a deeper channel, crossed the southern area of the site. This feature was heavily vegetated with shrubs and trees and was lined with an existing footpath and crossed via a footbridge and also had a vehicular access with a gateway.

There were two small outbuildings located within the northern area of the site. At the time of the walkover the open fronted larger building was being used by the horses for shelter. The other smaller building was of breeze block construction and likely to have been used for general storage.

A vehicular access track entered the site from the A465 at the north western corner. The track led to another barn located on the western boundary of the site. This barn was used for hay bale storage. The barn was surrounded by areas of concrete hardstanding. Some materials were noted in the vicinity of the barn including old gates, wood and metal.

## **2.1 SITE LOCATION AND DESCRIPTION (CONTINUED)**

The track continued from the barn to access Roc House Farm. This was an existing two storey residential property. The external areas were covered by a combination of paving to the front of the property and rough surfacing utilised as a driveway. The land around the house had been cut into the existing slope in order to create a level development plateau. A retaining wall was noted to the rear of the property with the field behind approximately 1m higher than the area surrounding the house. The house sits at a higher level than the barn located to the north.

Private water supply pipes were noted across the site used to supply and fill the animal drinking troughs.

## **2.2 SITE OPERATIONS**

The site is currently utilised as farmland for grazing livestock, including sheep and horses. The fields are also rotated, and the grass cut to generate hay, with the large barn used as a hay bale store.

## **2.3 SURROUNDING LAND USE**

The surrounding areas are also generally used as farmland. The A465 road is located to the west of the site with mainly residential development beyond and to the east of Abergavenny town centre.

## **2.4 AVAILABLE SITE INVESTIGATION DATA**

There is no available site investigation data for the site to our knowledge.

There are a number of boreholes, which are available to view through the British Geological Survey (BGS), which were drilled to the west of the site as part of the construction of the Abergavenny eastern by-pass road.

The boreholes typically encountered topsoil overlying red brown sandy silt/sandy clay with gravel and siltstone/sandstone fragments. With depth these materials generally became stiff red brown clayey silt grading into a weathered bedrock at depths as shallow as 1m but deepening to depths of approximately 2.5m/3m.



### 3.0 SITE HISTORY

The recent history of the site has been traced with the aid of an Envirocheck Report, a copy of which is included in Appendix B. The Envirocheck Report includes the following scaled historical maps:

Map Scale	Dates
1:2,500	1881, 1901, 1920, 1965, 1965-1971, 1965-1977, 1975, 1976, 1965-1987, 1984-1986, 1986, 1989-1990, 1990, 1993, 1994, 1996, 2001 (aerial photo)
1:10,560	1886, 1902, 1922, 1938, 1953
1:10,000	1964, 1971-1977, 1984-1989, 1999-2000, 2006, 2021

The earliest edition of the map dated 1881 indicated the site to comprise a number of fields with the site crossed by many field boundaries. Many of the east west orientated field boundaries were indicated to be lined with surface water features which flowed down from Skirrid-fach to the east towards the River Usk located further to the west. Trees were also indicated along several of the field boundaries. A more heavily vegetated boundary was indicated within the southern area of the site. A number of footpaths were also indicated to cross the site. A small collection of buildings, possibly farm outbuildings, was indicated within the central part of the site, adjacent to the western boundary. A spring was also noted within this area of the site. There were a number of individual properties in the vicinity of the site including Little Skirrid Farm, Nag Farm and Caederwen to the east and Skirrid Cottage to the north. The Newport, Abergavenny and Hereford branch of the Great Western Railway ran on a north-south orientation approximately 50m to the west of the northern area of the site at the nearest point. The railway line was situated within a cutting at this location. Abergavenny Station was located adjacent to the railway line approximately 150m to the west of the site. Abergavenny itself was already well established beyond the railway line to the west and northwest of the site. Coldbrook House with associated landscaped grounds and parkland was located to the south of the site. The house itself was located approximately 700m to the south and with the grounds extending to within 250m of the site boundary. Skirrid Brick Works was indicated approximately 500m to the northeast of the site.

The 1901 edition of the map indicated the buildings located on the western boundary of the site had been slightly reconfigured and extended. A spring was now indicated to the north of the buildings and an additional spring was indicated within the northwest corner of the site. A small building, likely to be a farm outbuilding, was indicated within the northwest area of the site. Skirrid Brick Works was no longer evident.

### 3.0 SITE HISTORY (CONTINUED)

The 1920 edition of the map indicated that the buildings located on the western boundary and within the northwest area of the site had been reconfigured slightly. The surrounding areas remained relatively unchanged.

The edition of the map dated 1965-1971 indicated that the site had remained as undeveloped fields apart from the outbuildings located on the western boundary of the site and within the northwest area. An issue was now indicated on site, adjacent to the western boundary. Significant development, mainly residential, had taken place beyond the railway line to the west and northwest of the site.

By the edition of the map dated 1975 the A465 road had been constructed to the west of the site in between the site boundary and the railway line. The site itself remained relatively unchanged at this time.

The 1986 edition of the map indicated the original buildings, located on the western edge of the site, were no longer evident. A new outbuilding had been constructed just to the north of the original buildings and included a new access track.

The 1993 edition of the map indicated a new building (Roc House Farm) to have been constructed within the western area of the site just to the south of the outbuilding. The existing access track was extended to reach the property. The outbuildings remained within the northwest area of the site and the majority of the site was still indicated as undeveloped fields. Nag farm to the east continued to expand.

There were no significant changes to the site or the surrounding areas between the late 1990's and the present day. Residential development continued beyond the railway line to the northwest within the remaining undeveloped areas. Nag farm to the east also continued to expand and in more recent years became known as Garth Farm.

## **4.0 SITE ENVIRONMENTAL SETTING**

### **4.1 PHYSICAL SETTING**

The site is located at the western foot of Skirrid Fach and to the southeast of the well-established market town of Abergavenny.

The site is located on sloping and undulating ground that generally rises to the east away from the River Usk, before rising more sharply from the foot of Skirrid Fach. The site rises from an approximate minimum elevation of 80m AOD adjacent to the A465 road within the northwest area of the site to an approximate maximum elevation of 120m AOD along the eastern boundary of the site.

The River Usk is located approximately 614m to the west of the site.

### **4.2 GEOLOGY**

The 1:50,000 scale geological map of the area indicates the site to be underlain by rock strata of the St Maughans Formation of the Devonian period. These rocks typically comprise interbedded purple, brown and green sandstones and red mudstones with intraformational conglomerates containing calccrete clasts.

Superficial Devensian Till deposits of the Quaternary period are indicated to overlie the solid strata. These superficial deposits are indicated to be absent to the east of the site as the ground rises up Skirrid Fach. These deposits are typically poorly sorted and variable in nature comprising clays, sands and gravel. It is anticipated that the superficial deposits would be thickest in the western parts of the site, thinning in an easterly direction across the site.

The superficial deposits across the majority of the site would be overlain by topsoil/subsoil. Localised areas of made ground could potentially be encountered in the vicinity of the existing buildings, access tracks and gateways.

A summary of the anticipated geological succession is given below in Table 1.

## 4.2 GEOLOGY (CONTINUED)

<b>Geological unit</b>	<b>Horizon</b>	<b>Description</b>
Recent	Topsoil/subsoil and potential localised areas of made ground	Various materials
Quaternary	Devensian Till	Poorly sorted and variable clays, sands and gravel
Devonian	St Maughans Formation	Interbedded purple, brown and green sandstones and red mudstones with intraformational conglomerates containing calcrete clasts

## 4.3 RADON

Information with regard to Radon Protective Measures is provided within the Envirocheck Report and the BGS Radon Report as presented in Appendices B and C respectively. The reports state that the site is within a mixed lower and intermediate probability area, as less than 1% and 1% to 3% of properties respectively are above action level. Therefore, based on these probabilities, no radon protective measures would be necessary in the construction of new buildings within the site.

## 4.4 MINING

The site is not located within an area that would be affected by past, present or future underground mining.

## 4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK

The Envirocheck report indicates a number of surface water features to cross the site flowing in a generally westerly direction. The surface water features which flow across the northern and central areas of the site flow into the Gavenny River which is recorded 363m to the northwest at the nearest point to the site. The surface water feature which flows across the southern area of the site flows into the River Usk which is located 614m to the west. The Gavenny River also flows into the River Usk.

#### **4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK** (CONTINUED)

The Natural Resources Wales groundwater vulnerability map and aquifer database classifies the bedrock beneath the site as a Secondary 'A' Aquifer. Secondary 'A' Aquifers are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

The Natural Resources Wales groundwater vulnerability map and aquifer database classifies the superficial deposits beneath the site as a Secondary Aquifer-Undifferentiated. This classification has been assigned in cases where it has not been possible to attribute either category A or B to a strata type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the strata type.

A perched water body could be encountered within any made ground or within the more granular superficial deposits. The underlying weathered St Maughans Formation would be anticipated to be relatively impermeable.

It is considered possible that any existing site drainage could act as a pathway for potential surface contaminants.

The Envirocheck Report indicates that there are no active discharge consents recorded on site or within 500m of the site boundary.

The Envirocheck Report states that there are four water abstractions recorded within 500m of the site boundary. The nearest two are recorded 46m and 48m to the northeast of the site, where surface water is abstracted from a spring at Nag Farm (now known as Garth Farm) for household water supply and for general farming use. Another surface water abstraction is recorded 173m to the east of the site from a spring at Little Skirrid Farm, with the water used for household water supply. A further surface water abstraction is recorded 343m to the east of the site from a spring on Ysgyryd Fach, with the water used for general farming and domestic use.

Tables 2 and 3 present a summary of the hydrological features and key hydrogeological nature of the site.

**4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)**

Feature	Distance from site	Flow	Classification	Abstraction	Discharge
Unnamed surface water features	Northern and central areas of the site	Westerly and south westerly	Inland rivers	No**	Gavenny River
Unnamed surface water feature	Southern area of the site	North westerly	Inland rivers	No	River Usk
Gavenny River	363m northwest	South westerly	Inland river	No	River Usk
River Usk	614m west	Southerly	Inland river	Yes	Severn Estuary
Surface run-off	On site	Flows into site drainage or into site	N/A	No	Not known
Site Drainage	On site	Not known	N/A	No	Not known

\*\*No abstractions recorded on site, but abstractions recorded from the source springs to the east

Geological Unit	Aquifer Classification	Aquifer Characteristics	Source Protection Zone	Groundwater Abstractions
Topsoil/subsoil possible localised made ground	Not classified	Highly variable permeability and porosity. Perched water may be present with variable flow directions.	No	None
Devensian Till	Secondary Aquifer-Undifferentiated	Variable low to moderate permeability and porosity with intergranular flow possible. High clay content likely to restrict flow.	No	None
St Maughans Formation	Secondary A Aquifer	Variable moderate permeability sandstones and mudstones with conglomerates containing calccrete clasts	No	None**

\*\*No groundwater abstractions recorded on site but one recorded from a well located 571m to the west

#### **4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK** (CONTINUED)

The Groundwater Vulnerability map of the area indicates that the secondary superficial aquifer, beneath the majority of the site, to have a medium vulnerability and with the eastern edge, where the superficial deposits thin, having a high vulnerability. The secondary bedrock aquifer has a high vulnerability. The pollutant speed is intermediate to high with well-connected fractures.

The Natural Resources Wales Flood Risk Map as presented within the Envirocheck Report indicates that the site is not at risk to extreme flooding from rivers or sea without defences.

The Natural Resources Wales Surface Water Flood Risk map as presented within the Envirocheck Report indicates that the majority of the site is not at a high risk to surface water flooding (1 in 30-year Flood Extent). A very small area within the north western corner of the site, adjacent to the road, is indicated to be at a high risk to surface water flooding. This is the lowest point of the site. The area along the surface water feature which crosses the northern area of the site is indicated to be at a low risk of surface water flooding (1 in 1000-year flood extent)

The BGS Groundwater Flooding Susceptibility Map indicates the majority of the site to have limited potential for groundwater flooding to occur. It also indicates that the northwest low-lying area has potential for groundwater flooding of property situated below ground level.

#### **4.6 LANDFILL SITES**

The Envirocheck Report indicates that there are no historical, BGS recorded or current landfill sites or any licensed waste management facilities located within 500m of the site boundary.

There are records of potentially infilled land (non-water) within 500m of the site boundary. The areas are located 192m to the southeast, 216m to the northeast and 290m to the northeast at the location of small historical quarry features. Another large feature was recorded 425m to the northeast at the location of Skirrid Brick Works.

There are records of potentially infilled land (water) within 500m of the site boundary. The areas are located 76m to the northwest, 136m to the northwest, 322m to the south and 376m to the north at the location of former ponds or surface water features.

## 4.7 POTENTIAL CONTAMINATION

### *Previous Uses*

The various activities in the vicinity of the site which may have resulted in ground or water resource contamination on this site are listed below in Tables 4 and 5. A summary of the potential contaminants can be found in the tables.

<b>Table 4: Potential Contaminants</b>		
<b>Land Use:</b> Agricultural land with associated farm buildings until present day		
<b>Material/Process</b>	<b>Contamination/Hazard</b>	<b>Evidence</b>
Agricultural land	Fertilizers, pesticides, and herbicides	Historical maps, available information and anecdotal
Construction of farm outbuildings, including some reconfiguration over the years, and construction of Roc House Farm during the 1990's. Ground disturbance in the vicinity of the buildings and possible use of imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos. Possible ACM within the building fabric	Historical maps
Further possible disturbance in the vicinity of access tracks, on field boundaries and in gateways where imported material of unknown origin may have been used or areas locally filled to provide level access	Metals, semi metals, non-metals, PAH, asbestos	Anecdotal

### *Existing Uses*

The site currently comprises mainly undeveloped farmland with an existing dwelling on site and some farm outbuildings. The current uses would not add any significant additional contamination concerns. At the time of the site walkover, there was no visual evidence of potential contaminative materials on site. There was no noted fuel or machinery storage within the onsite buildings, with the main barn being used as a hay store at the time of the walkover.



#### 4.7 POTENTIAL CONTAMINATION (CONTINUED)

##### *Adjacent Site Uses*

<b>Table 5: Potential Contaminants: Adjacent Site Uses</b>		
<b>Potential Contamination Source</b>	<b>Boundary</b>	<b>Associated Contaminants and Hazards</b>
Undeveloped land and existing farm buildings and residential properties	Eastern	No Potential Contaminants
Undeveloped land	Northern and Southern	No Potential Contaminants
Undeveloped land and the A465	Western	No Potential Contaminants

#### 4.8 OTHER ENVIRONMENTAL ISSUES

Environmentally sensitive land has not been identified in close proximity of the site, but areas of ancient woodland are indicated on the slopes of Skirrid Fach to the east and southeast of the site.

The Envirocheck Report indicates that there have been no pollution incidents to controlled waters recorded on site but three are recorded within 250m of the site boundary. All three were recorded 167m and 174m to the west of the site, where cement/mortar caused a Category 3-Minor Incident following direct introduction into the River Gavenny due to poor management control. The nearest Category 2-Significant Incident was recorded 363m to the north of the site involving silage liquor, with the incident caused by inadequate design capacity.

There have been no prosecutions relating to controlled waters or to authorised processes recorded on site or within 500m of the site boundary.

Roc House Farm, which is located within the western area of the site, is registered as a Point of Interest-Manufacturing and Production for livestock farming.

The site is vegetated and with more heavily vegetated areas along the field boundaries. It is possible that invasive plant species could be present within the site. A full vegetation survey of the site should be carried out.

The River Usk is considered to be a sensitive receptor to phosphate pollution and Natural Resources Wales (NRW) have implemented a new and more stringent approach with regard to recommended target concentration levels within the River Usk in order to minimise the ecological impact.

#### **4.8 OTHER ENVIRONMENTAL ISSUES** (CONTINUED)

Within Monmouthshire it was identified that within the River Usk 88% of the river's water bodies failed to meet the required target. NRW have issued detailed planning guidance to ensure that further deterioration is avoided. Ideally, any proposed developments within the catchment area of the River Usk would need to demonstrate phosphate "neutrality or betterment".

Phosphate is naturally occurring, but can also enter rivers from land management practices, sewerage, and foul water. Risk assessments would be required, when final layouts and drainage strategies are determined, to ensure that the risk of phosphates reaching the River Usk is not increased from the proposed land uses.

## 5.0 PRELIMINARY CONCEPTUAL SITE MODEL§

### 5.1 RISK ASSESSMENT FRAMEWORK

In order to be consistent with current UK government policies and legislation, it is necessary to identify, assess, estimate, evaluate, and take appropriate action to deal with land contamination, in accordance with the procedures specified in the Environment Agency guidance Land Contamination Risk Management (LCRM) published in October 2020. This replaces the now withdrawn 'Model Procedures for the Management of Land Contamination CLR-11' (Environment Agency 2004).

The risk assessment process is designed to provide a reasoned, structured and pragmatic mechanism for the identification of any potential human health and controlled waters risks associated with land contamination and where necessary to develop a robust remediation strategy to ensure protection of the sensitive receptors (human health of future residents, controlled waters, etc).

In accordance with LCRM, the term 'land contamination' is defined as:

- All land affected by contamination – land that might have contamination present which may, or may or may not, meet the statutory definition of contaminated land,
- Land determined as contaminated land under Part 2A of the Environmental Protection Act 1990.

LCRM provides a tiered approach to risk assessment, comprising a preliminary risk assessment (including the development of an initial conceptual site model), a generic quantitative risk assessment and a detailed quantitative risk assessment. For each tier of risk assessment, the following steps must be followed:

1. Identify the hazard - establish contaminant sources,
2. Assess the hazard – use a source-pathway-receptor linkage approach to determine if there is potential for unacceptable risk,
3. Estimate the risk – predict what degree of harm or pollution may result and how likely it is to occur, and
4. Evaluate the risk – decide whether a risk is unacceptable.

LCRM also provides definitions of the following terms:

- Hazard – a property or situation that in particular circumstances could lead to harm or pollution,

## 5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

- Risk – a combination of the probability, or frequency of occurrence of a defined hazard and the magnitude of the consequences of the occurrence,
- Risk assessment – the formal process of identifying, assessing and evaluating the health and environmental risks that may be associated with a hazard,
- Risk management – the formal process to identify, assess and determine the risks, and to select and take action to mitigate them.

The three essential elements to any risk are defined by LCRM as follows:

- A contaminant, or pollutant, that is in, on, or under the land and that has the potential to cause harm, or pollution (Source)
- A route by which a receptor is, or could be affected by a contaminant (Pathway)
- A receptor, i.e. something that could be adversely affected by a contaminant, for example a person, controlled waters, an organism, an ecosystem, or Part 2A receptors such as buildings, crops or animals (Receptor).

In order for there to be a potential risk, all three of the above elements must be present. If there is a source of contamination and a receptor (for example a resident or site user), then there is only a potential risk if there is a pathway linking the two. Such an active pathway is known as a relevant pollutant linkage. It is possible for the same contaminant to be linked to a receptor via a number of pathways, and hence it is important that all relevant pollutant linkages, to both human health and controlled waters, are separately identified on a site in order that a comprehensive conceptual model can be formed and ultimately a robust remediation strategy designed.

Current practice during Generic Quantitative Risk Assessment of land affected by contamination is to use generic soil screening values based on the appropriate proposed end use. These usually comprise risk-based Soil Guideline values (SGVs) or Generic Assessment Criteria (GACs) derived by the Environment Agency's Contaminated Land Exposure Assessment Model (CLEA). The SGVs and the supporting technical guidance were developed in order to assist in the assessment of long-term risk to human health from the exposure to contaminated soils.

Revised Statutory Guidance, published in 2012, to support Part 2A of the Environmental Protection Act 1990, introduced a new four category system for classifying land under Part 2A. Category 1 includes land where the level of risk is clearly unacceptable and Category 4 includes land where the level of risk posed is considered to be acceptably low. Under Part 2A, land would be determined as contaminated if it falls within Categories 1 or 2.

## 5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

The revised Part 2A Statutory Guidance was accompanied by an Impact Assessment that identified a role for new 'Category 4 Screening Levels' (C4SLs) that would provide a simple test for determining when land is suitable for use and definitely not contaminated land. A Policy Companion Document including the C4SLs was published in March 2014 (England) and May 2014 (Wales).

The C4SLs have been based on the CLEA methodology and derived using the CLEA model, with modified toxicological and exposure parameters. To date, C4SLs have been released for six substances (arsenic, cadmium, chromium (VI), lead, benzo(a)pyrene and benzene).

The C4SLs have been derived on the assumption that where they exist, they will be used as generic screening criteria within generic quantitative risk assessment.

Following publication of the C4SLs, Land Quality Management (LQM), in conjunction with the Chartered Institute for Environmental Health (CIEH) released Suitable 4 Use Levels (S4ULs) in January 2015.

The S4ULs have been derived in accordance with UK legislation, and using a modified version of the Environment Agency's CLEA software. As such, the S4ULs are based on the concept of minimal or tolerable risk as described in Human Health Toxicological Assessment of Contaminants in Soil (Science Report SR2, Environment Agency 2009a).

S4ULs have been derived for a wider number of substances.

In addition to the existing SGVs, C4SLs and S4ULs, Atkins ATRISK<sup>soil</sup> also provide a set of Soil Screening Values. These are currently intended to be used in conjunction with SGVs, although they intend to update these values in line with the C4SLs in due course.

We have reviewed all sets of values and intend to use the most appropriate assessment criteria as Tier 1 screening values in the first instance. Where a published S4UL is available, and considered appropriate, this will be used in the first instance.

## 5.2 CONCEPTUAL MODEL FRAMEWORK

The preliminary stage of the risk assessment process is to develop and define a conceptual site model, based on the desk study and any existing site investigation data. This is used to establish any potential contaminant sources, identify existing and future receptors and assess if there are any potentially active pathways by which a potential risk may be present.

## **5.2 CONCEPTUAL MODEL FRAMEWORK (CONTINUED)**

The preliminary conceptual site model will be developed and refined as site specific data is gathered, such as actual ground conditions and chemical data, resulting in a more robust conceptual understanding of the site.

## **5.3 CRITICAL SENSITIVE RECEPTOR – HUMAN HEALTH**

The proposed redevelopment of the site is for a mainly residential end use with some mixed-use areas. Therefore, the critical sensitive receptor from a human health perspective is an on-site residential receptor as this is the most sensitive end use.

In accordance with S4UL/C4SL and CLEA guidance for a standard residential scenario, the critical sensitive receptor for a residential end use with homegrown produce risk assessment is a female child, with exposure from 0 to 6 years.

The standard residential end-use with homegrown produce conceptual model defined by S4UL/C4SL and CLEA is assumed to be suitable for the purposes of this assessment.

## **5.4 CRITICAL SENSITIVE RECEPTOR – CONTROLLED WATERS**

Based on the proposed redevelopment of the site for a mainly residential end use with some mixed-use areas, and the findings of the desk study, the critical sensitive receptor from a controlled water perspective is groundwater within the Secondary 'A' Aquifer of the St Maughans Formation.

By considering groundwater as the critical sensitive receptor for controlled waters, the groundwater/hydrogeological risk assessment will also be protective of the surface water features which cross the site and the River Usk to the west.

## **5.5 POTENTIAL CONTAMINANT SOURCES**

As identified in the desk study, the majority of the site has always been historically undeveloped farmland. Farm buildings exist within the site and therefore localised areas of disturbed or made ground could be present within these areas and also on field boundaries and in gateways. Widespread made ground would not be anticipated within the site but localised areas should not be ruled out.

The potential types of contaminants of concern are listed below:

## 5.5 POTENTIAL CONTAMINANT SOURCES (CONTINUED)

- Metals, semi-metals, and inorganics within the shallow made ground
- Polyaromatic hydrocarbons (PAH) within the shallow made ground
- Asbestos within the shallow made ground and with the building fabric

The risk of metals, semi-metals, inorganics and PAH could be present within the topsoil from historic farming practices. There could also be residual levels of fertilizer, pesticides or herbicides within the natural soils. The natural soils also pose a risk of phosphate pollution either from naturally occurring elements, or from the historic use of fertilizers which can contain phosphates.

## 5.6 POTENTIAL EXPOSURE PATHWAYS

Potential exposure pathways for the critical receptors (both human health and controlled waters) are listed below:

- Dermal contact with soil and/or soil derived dust
- Ingestion of soil and/or soil attached to home-grown produce
- Ingestion of home-grown produce
- Inhalation of soil derived dust
- Inhalation of vapours – indoor and outdoor air
- Leaching of contaminants from made ground to groundwater
- Transportation of contaminants within groundwater.

In addition, the following exposure pathways have also been considered:

- Ground gas generation and migration
- Building materials durability.

## 5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL

A preliminary conceptual exposure model has been developed for the site. This is based on the findings of the desk study, historical review and site walk over and includes all potential sources, pathways and receptors that may be present on site. Those that have been identified as being potentially active require further investigation in the form of sampling and testing of soils and groundwater, followed by appropriate risk assessment.

## 5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL (CONTINUED)

The preliminary conceptual exposure model will be reviewed and refined following the completion of the site works and laboratory testing.

The preliminary conceptual exposure model is presented below in Table 6.

<b>Table 6: Preliminary Conceptual Exposure Model</b>				
Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Made Ground of unknown origin and historical land uses (not anticipated to be widespread, localised areas possible) and topsoil	Metals, semi-metals, non-metals, PAH, asbestos	Resident-human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil and/or soil attached to home-grown produce	✓
			Ingestion of home-grown produce	✓
			Inhalation of dust	✓
			Inhalation of vapours – indoor/outdoor	✓
	Metals, semi-metals, inorganics, PAH	Groundwater quality	Leaching from made ground	✓
Metals, semi-metals, inorganics, PAH	Surface water quality	Transportation within groundwater	✓	
Topsoil and natural ground	Fertilizer, herbicides, pesticides and phosphate	Resident-human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil and/or soil attached to home-grown produce	✓
			Ingestion of home-grown produce	✓
			Inhalation of dust	✓
			Inhalation of vapours – indoor/outdoor	✓
		Groundwater quality	Leaching from soils	✓
		Surface water quality (River Usk)	Leaching from soils and transportation within groundwater/surface water	✓
Asbestos Containing Material (ACM) within the building fabric (localised and associated with farm buildings)	ACM	Resident -human health	Inhalation of dust	✓



**5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL (CONTINUED)**

<b>Table 6: Preliminary Conceptual Exposure Model (Continued)</b>				
Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Made Ground of unknown origin and natural ground	pH and water-soluble sulphate	Building Materials Durability	Direct contact	✓
Ground Gas – organic, gas producing materials present within site or adjacent to the site	Methane, carbon dioxide	Human health	Accumulation of gases in confined spaces, and/or migration off site, leading to asphyxiation, or risk of explosion	X (Significant thickness of gas generating materials not anticipated on site, no off-site sources)

## 6.0 ANTICIPATED GROUND CONDITIONS

Based on the geological map data, historical records and available site investigation data, the following general succession of superficial deposits and underlying solid geology beneath the site is anticipated:

### **Recent**

*(Variable)* Topsoil/subsoil and possible localised reworked materials or made ground.

### **Quaternary**

*(Devensian Till)* Poorly sorted and variable clays, sands and gravel

### **Devonian**

*(St Maughans Formation)* Interbedded purple, brown and green sandstones and red mudstones with intraformational conglomerates containing calcrete clasts.

Topsoil/subsoil would be anticipated across the majority of the site. Localised areas of made ground should be anticipated in the vicinity of existing buildings, and maybe in the vicinity of the access tracks, on field boundaries or in gateways.

The superficial deposits are indicated to be absent to the east of the site as the ground rises up Skirrid Fach. The superficial deposits could therefore have the potential to thin in an easterly direction across the site or even be absent within the eastern area.

The St Maughans Formation is likely to be encountered near the surface as completely weathered mudstones (clay) and/or completely weathered sandstone (sand/gravel) grading to become competent bedrock with depth.

Localised seepages of perched water could be encountered in the shallow soils particularly within the more granular superficial deposits or within any made ground. Groundwater would be at greater depth within the bedrock.

## 7.0 SITE ASSESSMENT

### 7.1 ENVIRONMENTAL RISK ASSESSMENT

This assessment takes due regard of Contaminated Land Guidance issued by DEFRA and RICS. The methods used follow a risk-based approach with the potential environmental risk assessed qualitatively using the 'source-pathway-receptor' pollutant linkage concept set out in the Environment Protection Act 1990.

Although the risk presented in the following tables and above is descriptive, it is correlated to a numerical chance of occurrence. Therefore, the range and percentage chance of occurrence is given in order that the reader may assess the datum for the risk level. Although the percentage chance is quoted, this is still a subjective evaluation and is not prepared by probabilistic determination. Therefore, the chance of occurrence is a value judgement and not a numerical calculation. The evaluation is a simple qualitative risk assessment, which cannot make a judgement on the probability of occurrence or level of contamination. The latter two aspects require site specific information.

Reference to risk classifications is made according to the following definitions.

<b>Low Risk</b>	It is unlikely that the issue will arise as a liability/cost.
<b>Medium Risk</b>	It is possible that the issue could arise as a liability/cost. Further work is needed to clarify the risk and consequences.
<b>High Risk</b>	It is likely that the issue will arise as a liability/cost.

In consideration of the information gathered and presented in this report the following risk appraisal is considered appropriate.

<b>Table 7: Environmental Risk Assessment</b>		
<b>Issue</b>	<b>Risk Category</b>	<b>Comments</b>
<b><i>Site sensitivity</i></b>		
Sensitivity of site location	Medium	<ul style="list-style-type: none"> <li>Site located within the catchment zone of the River Usk with on-site surface water features</li> </ul>
Environmental sensitivity of adjacent land uses	Low/medium	<ul style="list-style-type: none"> <li>Site situated in a mainly undeveloped area with individual farms. River Usk approximately 600m to the west</li> </ul>

## 7.1 ENVIRONMENTAL RISK ASSESSMENT (CONTINUED)

<b>Table 7: Environmental Risk Assessment (Continued)</b>		
<b>Issue</b>	<b>Risk Category</b>	<b>Comments</b>
<b><i>Contamination potential</i></b>		
Potential for significant on-site contamination	Low/medium	<ul style="list-style-type: none"> <li>• Site historically undeveloped and utilised as farmland</li> <li>• Potential for localised areas of made ground associated with the farm buildings</li> <li>• Potential for contamination associated with building fabric (asbestos)</li> </ul>
Potential for contaminants migrating off from the site	Low/medium	
Potential for contaminants migrating onto the site	Low	
Potential for other environmental issues to give rise to liabilities	Low	
<b><i>Environmental Consequences</i></b>		
Risk of pollution of controlled waters	Low	<ul style="list-style-type: none"> <li>• Any made ground encountered beneath the site is not anticipated to be significant and likely to be associated with the construction of the farm buildings and access tracks</li> </ul>
Risk of damage to future property	Low	
Risk of harm to human health	Low	
<b><i>Business Consequences</i></b>		
Risk of liability for owner	Low	<ul style="list-style-type: none"> <li>• Previous and current land use not likely to produce significant contaminants</li> </ul>
Likelihood of designation as Contaminated Land under EPA 1990	Low	
Risk of site value and/or saleability being affected	Low	
<b><i>Overall Risk</i></b>	Low/medium	

## 7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS

A summary of commonly occurring geotechnical hazards is given in Table 8, together with an assessment of whether the site may be affected by each of the stated hazards. This information would be required prior to any future construction works.

## 7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

<b>Table 8: Summary of Potential Geotechnical Hazards</b>				
<b>Issue</b> (excluding contamination issues)	<b>Hazard Status</b>			<b>Engineering considerations</b>
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Shrinkable clays		✓		Special requirements for foundation and floor design. Allowances for deepening of foundations
Filled and made ground		✓		Would require removal, encapsulation or remediation
Highly compressible and low bearing capacity soils including peat and soft clay		✓		Allowances should be made for the removal and replacement of soft spots/areas
Silt rich soils susceptible to rapid loss of strength in wet conditions	✓			Care should be taken to protect formations from wet weather and site traffic
Adverse ground chemistry (including expansive slags, weathering of sulphides to sulphates)			✓	
Combustibility potential			✓	
Solution features			✓	
Evaporite dissolution features and subsidence			✓	
Ground subject to peri-glacial valley cambering with gulls present			✓	
Sudden lateral changes in ground conditions	✓			Superficial deposits known to be of variable composition and thickness and with site situated on sloping ground. Allowances should be made for variable foundation depths.
Existing sub structures (e.g. foundations and pits)	✓			Existing dwelling on site and smaller farm outbuildings. Allowances should be made for deeper foundations in these areas if the removal of buried obstructions causes significant disturbance.
Ground subject to vibration			✓	
Underground mining (shallow)			✓	

## 7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

Issue (excluding contamination issues)	Hazard Status			Engineering considerations
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Mine entries (shafts and adits, bell pits)			✓	
Ground subject to or at risk of coastal or river erosion			✓	
Ground subject to, or at risk from landslips			✓	
High water table (including waterlogged ground)		✓		Envirocheck Report stated that the lower northwest area of the site could be at risk from surface water flooding. Majority of the site is low risk. A number of springs/issues and surface water features present across the site.
Rising groundwater table due to diminishing abstraction in urban areas or cessation of deep mining			✓	
Culverted water courses		✓		Surface water features are present within the site. Allowances should be made for the possibility of unrecorded culvert features.

The sloping nature of the site will require careful geotechnical consideration with earthworks required in the form of cut and fill to create level development plateaux.

There are surface water features which cross the site in shallow channels. However, the surface water feature which crosses the southern area of the site flows in a deeper channel which is heavily vegetated with mature shrubs and trees. It is currently crossed by an existing footbridge and vehicular crossing point. Additional consideration will be required within this area with the proposed infrastructure which will need to be carefully designed to cross this feature to access the southern field.

## 8.0 SITE INVESTIGATION PROPOSALS

Prior to redevelopment of the site, a comprehensive intrusive site investigation would be required, over the entire site, in order to facilitate a detailed technical and financial appraisal. This would enable the foundation and hardstanding design for any proposed development to be developed using specific data on the ground conditions and enable more accurate costings to be made.

Investigation works should give consideration to the following:

- Foundation design
- Excavation stability design
- Remediation requirements
- Groundwater control
- Drainage design

In particular, the principal geoenvironmental and geotechnical issues to be addressed are:

- Foundation strata - level, strength, compressibility, and chemical characteristics
- Presence or absence of shrinkable clays
- Soil infiltration characteristics
- The extent of any ground contamination, including potential asbestos in the ground
- The potential for ground gas to be present beneath the site.

Investigation techniques to be adopted should include:

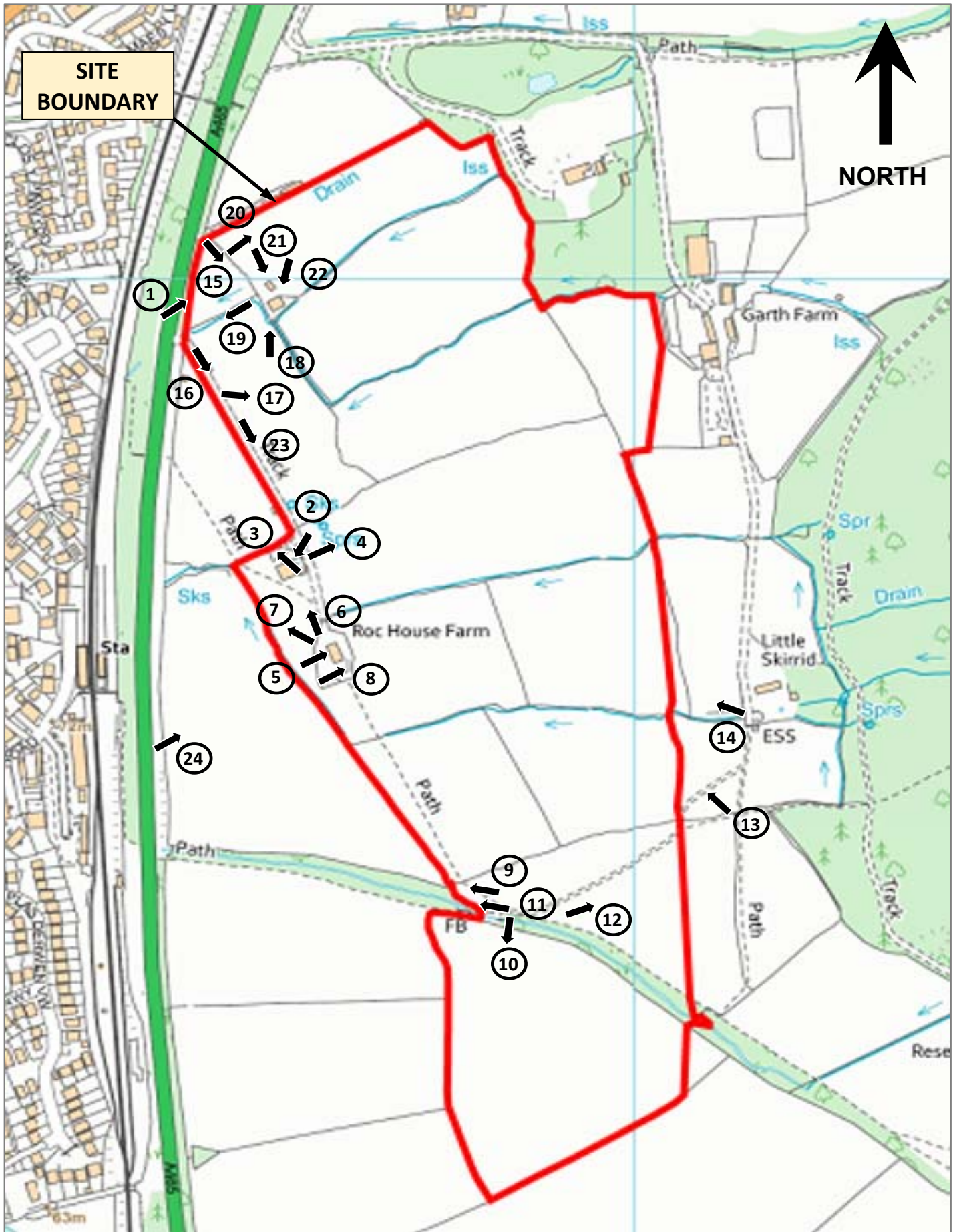
- Windowless sampling and/or trial pits could be used to examine the shallow ground conditions
- Location and depth specific soil infiltration testing
- Laboratory chemical testing to determine soil chemistry to include a range of organic and inorganic contaminants, and also screening for asbestos
- Additional testing of topsoil in order to determine if any residual fertilisers, pesticides and/or herbicides remain; and
- Laboratory geotechnical testing to determine soil plasticity.

Further works in the form of deeper boreholes may become required if competent ground is not encountered at shallow depths.

## **APPENDIX A**

### **SITE WALKOVER PHOTOGRAPHS**





**APPROXIMATE PHOTOGRAPH LOCATIONS**

Land East of A465, Abergavenny

**Intégral**  
Géotechnique

Intégral House  
7 Beddau Way  
Castlegate Business Park  
Caerphilly  
CF83 2AX  
Tel: 029 2080 7991  
Fax: 029 2086 2176





1. Looking northeast from A465 across northern field



2. Looking south into existing hay storage barn



3. Looking west to area adjacent to the barn



4. Looking northeast across the central field



5. Looking northeast towards Roc House Farm



6. Looking northwest towards hay barn

## SITE WALKOVER PHOTOGRAPHS

Land East of A465, Abergavenny



Intégral House  
7 Beddau Way  
Castlegate Business Park  
Caerphilly  
CF83 2AX  
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Fax: 029 2086 2176





7. Looking west from Roc House Farm



8. Looking east towards retaining wall at Roc House Farm



9. Looking west along hedgerow and footpath



10. Looking south across the southern field



11. Looking west down the stream from the crossing point



12. Looking east across the field

**SITE WALKOVER PHOTOGRAPHS**

**Land East of A465, Abergavenny**



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Fax: 029 2086 2176





13. Looking northwest across the fields towards Roc House Farm



14. Looking west across the fields from Little Skirrid



15. Looking southeast across northern field



16. Looking southeast along the track to Roc House Farm



17. Looking east across the field



18. Looking north towards farm buildings

**SITE WALKOVER PHOTOGRAPHS**

**Land East of A465, Abergavenny**



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Fax: 029 2086 2176





19. Looking southwest along surface water feature



20. Looking northeast up the northern field



21. Looking southeast towards the farm buildings



22. Looking south towards the farm buildings



23. Looking southeast up the track to Roc House Farm



24. Looking northwest from the A465 towards Roc House Farm

## SITE WALKOVER PHOTOGRAPHS

Land East of A465, Abergavenny



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Fax: 029 2086 2176

## **APPENDIX B**

### **ENVIROCHECK REPORT**

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

282534669\_1\_1

**Customer Reference:**

12898/LP

**National Grid Reference:**

330870, 213670

**Slice:**

A

**Site Area (Ha):**

24.92

**Search Buffer (m):**

500

#### Site Details:

Land East of A465

Abergavenny

NP7 5LG

#### Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

<b>Report Section</b>	<b>Page Number</b>
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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 this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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**Report Version v53.0**



<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m (*up to 1000m)</b>
<b>Agency &amp; Hydrological</b>				
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes
Contaminated Land Register Entries and Notices				
Discharge Consents	pg 3		1	4
Prosecutions Relating to Controlled Waters			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	pg 4			1
Local Authority Pollution Prevention and Control Enforcements				
Nearest Surface Water Feature	pg 4	Yes		
Pollution Incidents to Controlled Waters	pg 4		3	12
Prosecutions Relating to Authorised Processes				
Registered Radioactive Substances				
River Quality				
River Quality Biology Sampling Points				
River Quality Chemistry Sampling Points				
Substantiated Pollution Incident Register				
Water Abstractions	pg 7		3	1 (*16)
Water Industry Act Referrals				
Groundwater Vulnerability Map	pg 12	Yes	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a
Superficial Aquifer Designations	pg 12	Yes	n/a	n/a
Source Protection Zones				
Extreme Flooding from Rivers or Sea without Defences				n/a
Flooding from Rivers or Sea without Defences				n/a
Areas Benefiting from Flood Defences				n/a
Flood Water Storage Areas				n/a
Flood Defences				n/a
OS Water Network Lines	pg 13	21	42	50

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m (*up to 1000m)</b>
<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 26	1	n/a	n/a
Local Authority Recorded Landfill Sites				
Potentially Infilled Land (Non-Water)	pg 26		2	2
Potentially Infilled Land (Water)	pg 26		2	2
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				

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m (*up to 1000m)</b>
<b>Geological</b>				
BGS 1:625,000 Solid Geology	pg 27	Yes	n/a	n/a
BGS Estimated Soil Chemistry	pg 27	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 29		2	1
BGS Urban Soil Chemistry				
BGS Urban Soil Chemistry Averages				
CBSCB Compensation District			n/a	n/a
Coal Mining Affected Areas			n/a	n/a
Mining Instability			n/a	n/a
Man-Made Mining Cavities				
Natural Cavities				
Non Coal Mining Areas of Great Britain	pg 29	Yes		n/a
Potential for Collapsible Ground Stability Hazards	pg 29	Yes		n/a
Potential for Compressible Ground Stability Hazards				n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes	Yes	n/a
Potential for Running Sand Ground Stability Hazards	pg 30	Yes		n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30	Yes		n/a
Radon Potential - Radon Affected Areas	pg 30	Yes	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a
<b>Industrial Land Use</b>				
Contemporary Trade Directory Entries	pg 31		5	16
Fuel Station Entries				
Points of Interest - Commercial Services	pg 32		2	6
Points of Interest - Education and Health				
Points of Interest - Manufacturing and Production	pg 33	1		11
Points of Interest - Public Infrastructure	pg 34		2	9
Points of Interest - Recreational and Environmental	pg 35		1	3
Gas Pipelines				
Underground Electrical Cables				

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m (*up to 1000m)</b>
<b>Sensitive Land Use</b>				
Ancient Woodland	pg 36		2	4
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	A13SE (SE)	0	1	330867 213670
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SE (S)	0	1	330867 213200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (NW)	0	1	330700 213750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	0	1	330750 213700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	6	1	330600 214000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	50	1	330650 214100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	57	1	330750 213350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	93	1	330650 214150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	112	1	330700 214200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	118	1	330600 214150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	129	1	330500 214000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	136	1	330650 214200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	144	1	330550 214150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SW (S)	169	1	330700 213100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SW (S)	178	1	330800 213000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	179	1	330450 214050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	187	1	330550 213450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8SW (SW)	215	1	330650 213150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	220	1	330750 214350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	242	1	330700 214350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A3NE (S)	259	1	330867 212900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	267	1	330750 214400

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	A3NW (S)	276	1	330700 212950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A7NE (SW)	284	1	330500 213350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A3NE (S)	286	1	331000 212900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	286	1	330700 214400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	306	1	330850 214450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A3NW (S)	315	1	330700 212900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A3NE (S)	332	1	331000 212850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A3NE (S)	353	1	331050 212850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	357	1	330800 214500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	366	1	330450 214350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A3NE (S)	379	1	331000 212800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	384	1	330500 214400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	406	1	330850 214550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	407	1	330800 214550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	413	1	330750 214550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	413	1	330900 214550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A3NE (S)	421	1	331100 212800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	424	1	330950 214550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	426	1	330700 214550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A3NW (S)	447	1	330700 212750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	447	1	330550 214500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	453	1	331050 214550

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	A18SE (N)	462	1	330900 214600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A3NE (S)	465	1	331100 212750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	474	1	331100 214550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A3NW (S)	487	1	330550 212800
1	<b>Discharge Consents</b> Operator: Larkstone Ltd Property Type: Domestic Property (Multiple) Location: Flats Nr Grt Western Hotel Station, Station Rd Abergavenny Authority: Natural Resources Wales Catchment Area: River Usk (Afon Wysg) Reference: An0001101 Permit Version: 1 Effective Date: 11th October 1984 Issued Date: 11th October 1984 Revocation Date: 6th March 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Un-Named Tributary Of R.Usk <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A7NE (W)	246	2	330460 213600
2	<b>Discharge Consents</b> Operator: Kingsmark Ltd Property Type: Undefined Or Other Location: Abergavenny Monmouth Road Dev. Nr , Monmouth Road Dev. Nr Plas-Derwen, Dev. Nr Plas-Derwen Authority: Natural Resources Wales Catchment Area: River Usk (Afon Wysg) Reference: An0067902 Permit Version: 1 Effective Date: 3rd June 1988 Issued Date: 3rd June 1988 Revocation Date: 20th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Un-Named Stream <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	357	2	330500 213150
3	<b>Discharge Consents</b> Operator: Western Permanent Housing Soc.Ltd Property Type: Undefined Or Other Location: Great Western Road Aber Lee Housing, Aber Lee Housing Development Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Ac0115101 Permit Version: 1 Effective Date: 15th June 1978 Issued Date: 15th June 1978 Revocation Date: 6th March 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed Stream <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	371	2	330430 213400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Undefined Or Other  Location: Plas Derwen Devpt Abergavenny  Authority: Natural Resources Wales  Catchment Area: River Usk (Afon Wysg)  Reference: An0022501  Permit Version: 1  Effective Date: 5th March 1987  Issued Date: 5th March 1987  Revocation Date: 7th February 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Un-Named Stream  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	379	2	330420 213400
4	<p><b>Discharge Consents</b></p> <p>Operator: Kingsmark Ltd  Property Type: Undefined Or Other  Location: Abergavenny Monmouth Road Dev. Nr , Monmouth Road Dev. Nr Plas-Derwen, Dev. Nr Plas-Derwen  Authority: Natural Resources Wales  Catchment Area: River Usk (Afon Wysg)  Reference: An0067901  Permit Version: 1  Effective Date: 3rd June 1988  Issued Date: 3rd June 1988  Revocation Date: 20th November 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Un-Named Stream  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	424	2	330420 213260
5	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Whittall Williams Ltd  Location: Mill Street Industrial Estate, ABERGAVENNY, Gwent, NP7 5HE  Authority: Monmouthshire Council, Environmental Health Department  Permit Reference: LAPPC/03/05  Dated: 1st February 1997  Process Type: Local Authority Pollution Prevention and Control  Description: PG6/34 Respraying of road vehicles  <b>Status: Site Closed</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	425	3	330200 213900
	<p><b>Nearest Surface Water Feature</b></p>	A13SW (NW)	0	-	330718 213980
6	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given  Location: Location Description Not Available  Authority: Environment Agency, Welsh Region  Pollutant: Cement/Mortar  Note: Tributary River Gavenny; Direct Introduction  Incident Date: 22nd September 1997  Incident Reference: 33774  Catchment Area: Not Given  Receiving Water: Not Given  Cause of Incident: Poor Management Control  Incident Severity: Category 3 - Minor Incident  Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	167	4	330505 213805
6	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given  Location: Gavenny Tributary  Authority: Environment Agency, Welsh Region  Pollutant: Cement/Mortar  Note: Tributary River Gavenny; Direct Introduction  Incident Date: 22nd September 1997  Incident Reference: 33774  Catchment Area: Not Given  Receiving Water: Not Given  Cause of Incident: Poor Management Control  Incident Severity: Category 3 - Minor Incident  Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	174	4	330500 213800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Belmont Road / Belmont Crescent            Authority: Environment Agency, Welsh Region            Pollutant: Cement/Mortar            Note: Tributary River Gavenny; Direct Introduction            Incident Date: 22nd September 1997            Incident Reference: 33774            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Poor Management Control            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	174	4	330500 213795
7	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Cattle (Dairy) Farming: Slurry Store/Waste Tank            Location: Old Farm, Penyfal            Authority: Environment Agency, Welsh Region            Pollutant: Agricultural: Silage Liquor            Note: Inadequate Design/Capacity            Incident Date: 6th January 1991            Incident Reference: 1784            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Leachate            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A18SE (N)	363	4	330900 214500
8	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: The Lower, Mont Street Bridge, ABERGAVENNY            Authority: Environment Agency, Welsh Region            Pollutant: Mud/Clay/Soil            Note: Not Supplied            Incident Date: 26th August 1991            Incident Reference: 1414            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	374	4	330300 214195
8	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Miscellaneous Premises: Surface Runoff            Location: River, Bus Station And Park            Authority: Environment Agency, Welsh Region            Pollutant: Farm Effluent/Slurry            Note: Not Supplied            Incident Date: 2nd March 1991            Incident Reference: 246            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	376	4	330300 214200
9	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Ross Road, ABERGAVENNY            Authority: Environment Agency, Welsh Region            Pollutant: Mud/Clay/Soil            Note: Not Supplied            Incident Date: 9th February 1996            Incident Reference: 27470            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	422	4	330305 214295
9	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Ross Road            Authority: Environment Agency, Welsh Region            Pollutant: Crude Sewage            Note: Not Supplied            Incident Date: 9th February 1996            Incident Reference: 27470            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	426	4	330300 214295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Ross Road            Authority: Environment Agency, Welsh Region            Pollutant: Crude Sewage            Note: Not Supplied            Incident Date: 9th February 1996            Incident Reference: 27470            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	429	4	330300 214300
10	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Swan Meadow, ABERGAVENNY            Authority: Environment Agency, Welsh Region            Pollutant: Crude Sewage            Note: Not Supplied            Incident Date: 13th May 1996            Incident Reference: 28485            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	425	4	330200 213900
10	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Abergavenny Hotel            Authority: Environment Agency, Welsh Region            Pollutant: Oils - Diesel (Including Agricultural)            Note: Not Supplied            Incident Date: 7th March 1995            Incident Reference: 22882            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	425	4	330200 213895
11	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Waste Handling Facilities            Location: Abergavenny Hotel            Authority: Environment Agency, Welsh Region            Pollutant: Sewage - Septic Tank Effluent            Note: Deliberate Act            Incident Date: 8th June 1995            Incident Reference: 24395            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Direct Discharge            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	446	4	330200 213800
11	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Location Description Not Available            Authority: Environment Agency, Welsh Region            Pollutant: Farm Effluent/Slurry            Note: Not Supplied            Incident Date: 15th November 1991            Incident Reference: 257            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	447	4	330200 213795
12	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Footbridge, Point Of Going, Into Usk            Authority: Environment Agency, Welsh Region            Pollutant: Chlorinated Water            Note: Not Supplied            Incident Date: 27th July 1995            Incident Reference: 25021            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A7NE (W)	485	4	330200 213600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Sewerage            Location: Miss Blacks Garage            Authority: Environment Agency, Welsh Region            Pollutant: Unknown            Note: Accidental Spillage/Leakage            Incident Date: 8th November 1994            Incident Reference: 21998            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Leakage            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A7NE (W)	486	4	330200 213595
13	<p><b>Water Abstractions</b></p> <p>Operator: Mr &amp; Mrs H Chesney            Licence Number: 20/56/31/0066            Permit Version: 100            Location: Spring At Nag Farm            Authority: Environment Agency, Welsh Region            Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)            Abstraction Type: Water may be abstracted from a single point            Source: Surface            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Licenced from 01-Jan to 31-Dec            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 16th August 1988            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	46	4	331060 213995
13	<p><b>Water Abstractions</b></p> <p>Operator: Mr &amp; Mrs H Chesney            Licence Number: 20/56/31/0066            Permit Version: 100            Location: Spring At Nag Farm            Authority: Environment Agency, Welsh Region            Abstraction: General Farming And Domestic            Abstraction Type: Water may be abstracted from a single point            Source: Surface            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Spring At Nag Farm            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 16th August 1988            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	48	4	331060 214000
14	<p><b>Water Abstractions</b></p> <p>Operator: Mrs J Creyke            Licence Number: 20/56/31/0044            Permit Version: 100            Location: Spring At Little Skirrid Farm            Authority: Environment Agency, Welsh Region            Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)            Abstraction Type: Water may be abstracted from a single point            Source: Surface            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Spring At Little Skirrid Farm            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 1st April 1996            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A9NW (E)	173	4	331210 213590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p><b>Water Abstractions</b></p> <p>Operator: Trustees of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0045  Permit Version: 100  Location: Spring On Ysgyryd Fach  Authority: Environment Agency, Welsh Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Spring At Ysgyryd Fach  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 30th December 1965  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	343	4	331370 213680
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0049  Permit Version: Not Supplied  Location: Coldbrook Springs  Authority: Environment Agency, Welsh Region  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 0  Yearly Rate (m3): 49.78  Details: Licenced from 01-Jan to 31-Dec  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	527	4	331165 212715
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0049  Permit Version: 100  Location: Coldbrook Springs  Authority: Natural Resources Wales  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Licenced from 01-Jan to 31-Dec  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 30th December 1965  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	530	2	331170 212715
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0049  Permit Version: Not Supplied  Location: Coldbrook Springs  Authority: Environment Agency, Welsh Region  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 0  Yearly Rate (m3): 248.9  Details: Licenced from 01-Jan to 31-Dec  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	531	4	331165 212710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0049  Permit Version: Not Supplied  Location: Coldbrook Springs  Authority: Environment Agency, Welsh Region  Abstraction: General Farming And Domestic  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 12  Yearly Rate (m3): 4679.2  Details: Licenced from 01-Jan to 31-Dec  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	532	4	331175 212715
	<p><b>Water Abstractions</b></p> <p>Operator: Mr &amp; Mrs C &amp; C Davies  Licence Number: 20/56/31/0007  Permit Version: 101  Location: Coldbrook Springs  Authority: Environment Agency, Welsh Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Nant-Oer  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 29th June 2001  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A3NE (S)	534	4	331170 212710
	<p><b>Water Abstractions</b></p> <p>Operator: Mr &amp; Mrs C &amp; C Davies  Licence Number: 20/56/31/0007  Permit Version: 101  Location: Coldbrook Springs  Authority: Environment Agency, Welsh Region  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Nant-Oer  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 29th June 2001  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A3NE (S)	534	4	331170 212710
	<p><b>Water Abstractions</b></p> <p>Operator: Mr T J P Bowen  Licence Number: 20/56/31/0007  Permit Version: 100  Location: Coldbrook Springs  Authority: Environment Agency, Welsh Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Coldbrook Springs  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 15th November 1965  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	534	4	331170 212710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees Of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0049  Permit Version: Not Supplied  Location: Coldbrook Springs  Authority: Natural Resources Wales  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from any point within an area  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A3NE (S)	534	2	331170 212710
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees Of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0049  Permit Version: Not Supplied  Location: Coldbrook Springs  Authority: Natural Resources Wales  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Water may be abstracted from any point within an area  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A3NE (S)	534	2	331170 212710
	<p><b>Water Abstractions</b></p> <p>Operator: Trevor John Pugh Bowen  Licence Number: 20/56/31/0007  Permit Version: Not Supplied  Location: Coldbrook Springs  Authority: Environment Agency, Welsh Region  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 1  Yearly Rate (m3): 400.04  Details: Licenced from 01-Jan to 31-Dec  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	536	4	331175 212710
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0049  Permit Version: 100  Location: Coldbrook Springs  Authority: Natural Resources Wales  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Coldbrook Springs  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 30th December 1965  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	538	2	331170 212705

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Mr T J P Bowen Licence Number: 20/56/31/0007 Permit Version: 100 Location: Coldbrook Springs Authority: Environment Agency, Welsh Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Licenced from 01-Jan to 31-Dec Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th November 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	541	4	331175 212705
	<p><b>Water Abstractions</b></p> <p>Operator: Flowerland Nurseries Licence Number: 20/56/31/0082 Permit Version: 100 Location: Well At Flowerland Nurseries Authority: Environment Agency, Welsh Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th April 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7NW (W)	571	4	330100 213650
	<p><b>Water Abstractions</b></p> <p>Operator: Edmund Nuttall Limited Licence Number: 20/56/32/0039 Permit Version: 1 Location: The River Usk At Llanfoist Abergavenny Authority: Environment Agency, Welsh Region Abstraction: Construction: Dust Suppression 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 January Authorised End: 31 December Permit Start Date: 30th June 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	893	4	329980 213020
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees of Coldbrook &amp; Llanover Estates Licence Number: 20/56/31/0046 Permit Version: 100 Location: Spring At Pen-Y-Parc Farm Authority: Environment Agency, Welsh Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Spring At Pen-Y-Parc Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A4NE (SE)	897	4	331730 212680



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Trustees of Coldbrook &amp; Llanover Estates  Licence Number: 20/56/31/0046  Permit Version: Not Supplied  Location: Spring At, Pen-y-parc Farm  Authority: Environment Agency, Welsh Region  Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 0  Yearly Rate (m3): 99.56  Details: Licenced from 01-Jan to 31-Dec  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A4NE (SE)	900	4	331730 212675
	<p><b>Groundwater Vulnerability Map</b></p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability  Combined Vulnerability: Medium  Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer  Pollutant Speed: Intermediate  Bedrock Flow: Well Connected Fractures  Dilution: &gt;550 mm/year  Baseflow Index: &gt;70%  Superficial Patchiness: &gt;90%  Superficial Thickness: 3-10m  Superficial Recharge: High</p>	A13SE (SE)	0	2	330867 213670
	<p><b>Groundwater Vulnerability Map</b></p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability  Combined Vulnerability: High  Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer  Pollutant Speed: High  Bedrock Flow: Well Connected Fractures  Dilution: &gt;550 mm/year  Baseflow Index: &gt;70%  Superficial Patchiness: &lt;90%  Superficial Thickness: &lt;3m  Superficial Recharge: No Data</p>	A13SE (E)	0	2	331000 213670
	<p><b>Groundwater Vulnerability Map</b></p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability  Combined Vulnerability: Medium  Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer  Pollutant Speed: Intermediate  Bedrock Flow: Well Connected Fractures  Dilution: &gt;550 mm/year  Baseflow Index: 40-70%  Superficial Patchiness: &gt;90%  Superficial Thickness: &lt;3m  Superficial Recharge: High</p>	A13NE (N)	0	2	330867 214000
	<p><b>Bedrock Aquifer Designations</b></p> <p>Aquifer Designation: Secondary Aquifer - A</p>	A13SE (SE)	0	2	330867 213670
	<p><b>Superficial Aquifer Designations</b></p> <p>Aquifer Designation: Secondary Aquifer - Undifferentiated</p>	A13SE (SE)	0	2	330867 213670
	<p><b>Extreme Flooding from Rivers or Sea without Defences</b></p> <p>None</p>				
	<p><b>Flooding from Rivers or Sea without Defences</b></p> <p>None</p>				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
16	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 50.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330628 213949
17	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 85.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330628 213949
18	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 90.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330698 213959
19	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NW (NW)	0	5	330644 214038
20	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 273.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NW (NW)	0	5	330657 214046
21	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330730 213777
22	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 56.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (W)	0	5	330746 213693
23	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330698 213959

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 195.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330744 213885
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330718 213980
26	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 202.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330723 213987
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	0	5	330739 213774
28	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 367.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (N)	0	5	330862 213723
29	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (N)	0	5	330836 213936
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 210.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (N)	0	5	330840 213937
31	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 87.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NE (N)	0	5	330878 214130
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 242.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (S)	0	5	330875 213608

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 34.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NW (SW)	0	5	330790 213584
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 126.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NW (SW)	0	5	330751 213593
35	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (SE)	0	5	331025 213599
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 603.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NW (S)	0	5	330801 213443
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 65.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (W)	1	5	330664 213738
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 53.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (W)	1	5	330689 213690
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 64.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	1	5	331031 213604
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (NE)	13	5	331029 213982
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	41	5	330584 213921

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 173.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (NW)	56	5	330575 213911
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 156.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SW (W)	61	5	330605 213722
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 31.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	63	5	331093 213601
45	<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: Usk and Llwyd Primacy: 1	A13NE (NE)	70	5	331084 213993
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NE (NE)	74	5	331089 213994
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 214.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NW (N)	78	5	330819 214222
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (E)	81	5	331098 213764
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (E)	85	5	331102 213764
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NE (N)	87	5	330953 214175

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	92	5	331124 213605
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	92	5	331124 213608
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 81.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NE (NE)	93	5	331107 213993
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 101.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (E)	98	5	331116 213764
55	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 45.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (E)	98	5	331116 213764
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 402.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NW (N)	102	5	330742 214213
57	<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: Usk and Llwyd Primacy: 1	A8SE (SE)	102	5	331151 213266
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13SE (E)	125	5	331152 213680
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 63.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A13SE (E)	128	5	331154 213680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (E)	128	5	331154 213680
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 73.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	132	5	331175 213593
62	<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: Usk and Llwyd Primacy: 1	A13SE (E)	136	5	331162 213681
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NE (N)	138	5	330997 214202
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	139	5	331175 213593
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A8NE (E)	139	5	331176 213612
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 123.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (E)	139	5	331165 213683
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	141	5	331173 213614
68	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	141	5	331173 213614

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (E)	141	5	331157 213779
70	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13SE (E)	146	5	331163 213767
71	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 148.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NE (E)	148	5	331179 213623
72	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 389.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A13NE (N)	155	5	331012 214210
73	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (NE)	164	5	331184 213970
74	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 19.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (NE)	164	5	331187 213966
75	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 197.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8NW (SW)	183	5	330604 213479
76	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 118.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A9NW (SE)	186	5	331248 213318
77	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 173.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A9NW (SE)	186	5	331279 213365

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 119.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A12SE (W)	208	5	330461 213780
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	261	5	331284 213713
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 91.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	263	5	331287 213717
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	290	5	331320 213655
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 293.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A9NW (E)	292	5	331331 213572
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	294	5	331323 213656
84	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 61.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A9NW (SE)	300	5	331373 213317
85	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A9NW (SE)	302	5	331346 213460
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 54.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 2	A14SW (E)	303	5	331332 213659



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 37.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	303	5	331332 213659
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 172.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A8SW (S)	304	5	330621 213001
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 211.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A7SE (SW)	304	5	330476 213132
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 22.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A9NW (E)	306	5	331351 213482
91	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 120.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A12SE (W)	318	5	330349 213776
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A12SE (W)	318	5	330349 213776
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 54.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	349	5	331374 213702
94	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	351	5	331378 213684
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 53.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	351	5	331376 213702

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	351	5	331378 213684
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 283.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	353	5	331375 213738
98	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A14SW (E)	354	5	331381 213685
99	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 279.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A3NW (S)	363	5	330696 212846
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 166.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Gafenni Catchment Name: Usk and Llwyd Primacy: 1	A12NE (NW)	363	5	330264 214144
101	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A12NE (NW)	373	5	330343 214265
102	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 59.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A7NE (SW)	375	5	330422 213403
103	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 149.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Gafenni Catchment Name: Usk and Llwyd Primacy: 1	A12NE (NW)	382	5	330330 214262
104	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A7SE (SW)	391	5	330463 213142

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A18SE (N)	394	5	331043 214489
106	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 124.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A18SE (N)	394	5	331145 214443
107	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A7SE (SW)	395	5	330463 213142
108	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 40.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A18SE (N)	399	5	331015 214506
109	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 283.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Gafenni Catchment Name: Usk and Llwyd Primacy: 1	A12SE (W)	399	5	330201 213927
110	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 215.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A7SE (SW)	421	5	330439 213133
111	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 90.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A7NE (SW)	422	5	330349 213424
112	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A18SE (N)	426	5	330995 214541
113	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 56.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A12SE (W)	430	5	330235 213756

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 224.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A7NE (SW)	432	5	330378 213367
115	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 49.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A7NE (SW)	432	5	330381 213362
116	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 27.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A18SE (N)	433	5	330974 214553
117	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 45.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A18SE (N)	438	5	330951 214564
118	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.3 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Gafenni Catchment Name: Usk and Llwyd Primacy: 1	A12SW (W)	468	5	330159 213845
119	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 95.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Gafenni Catchment Name: Usk and Llwyd Primacy: 1	A12SW (W)	473	5	330159 213754
120	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 142.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A9SE (SE)	475	5	331526 213216
121	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A18SE (N)	476	5	330914 214612
122	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 113.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Usk and Llwyd Primacy: 1	A18SE (N)	480	5	330945 214609

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	<p><b>OS Water Network Lines</b></p> <p>Watercourse Form: Inland river  Watercourse Length: 22.8  Watercourse Level: On ground surface  Permanent: True  Watercourse Name: Not Supplied  Catchment Name: Usk and Llwyd  Primacy: 1</p>	A12SE (W)	482	5	330178 213754
124	<p><b>OS Water Network Lines</b></p> <p>Watercourse Form: Inland river  Watercourse Length: 17.1  Watercourse Level: On ground surface  Permanent: True  Watercourse Name: Not Supplied  Catchment Name: Usk and Llwyd  Primacy: 1</p>	A18SE (N)	483	5	330908 214620
125	<p><b>OS Water Network Lines</b></p> <p>Watercourse Form: Inland river  Watercourse Length: 442.7  Watercourse Level: On ground surface  Permanent: True  Watercourse Name: Afon Gafenni  Catchment Name: Usk and Llwyd  Primacy: 1</p>	A17SE (NW)	491	5	330320 214410
126	<p><b>OS Water Network Lines</b></p> <p>Watercourse Form: Inland river  Watercourse Length: 22.2  Watercourse Level: On ground surface  Permanent: True  Watercourse Name: Not Supplied  Catchment Name: Usk and Llwyd  Primacy: 1</p>	A17SE (NW)	491	5	330320 214410
127	<p><b>OS Water Network Lines</b></p> <p>Watercourse Form: Inland river  Watercourse Length: 14.6  Watercourse Level: On ground surface  Permanent: True  Watercourse Name: Not Supplied  Catchment Name: Usk and Llwyd  Primacy: 1</p>	A18SE (N)	495	5	330908 214633
128	<p><b>OS Water Network Lines</b></p> <p>Watercourse Form: Inland river  Watercourse Length: 45.3  Watercourse Level: On ground surface  Permanent: True  Watercourse Name: Not Supplied  Catchment Name: Usk and Llwyd  Primacy: 1</p>	A18SE (N)	495	5	330897 214634

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: Monmouthshire Council - Has supplied landfill data		0	6	330867 213670
129	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A9NW (SE)	192	8	331238 213398
130	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14SW (NE)	216	8	331238 213916
131	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14NW (NE)	290	8	331286 214088
132	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14NW (NE)	425	8	331406 214167
133	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (NW)	76	8	330552 213915
134	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (NW)	136	8	330511 213862
135	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A8SW (S)	322	8	330599 212996
136	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SE (N)	376	8	331120 214419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Lower Devonian Rocks (Undifferentiated)	A13SE (SE)	0	1	330867 213670
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	0	1	331000 213500
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	0	1	330867 213670
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	123	1	330500 213670
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	129	1	330500 214000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (SW)	147	1	330678 213373
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (E)	171	1	331205 213640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 200 - 300 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NE (SW)	254	1	330500 213500
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 120 - 180 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (E)	294	1	331319 213705
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (E)	326	1	331350 213713
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 120 - 180 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NW (E)	340	1	331379 213500
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NW (E)	375	1	331414 213500
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 120 - 180 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 200 - 300 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A17SE (NW)	470	1	330283 214344



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 <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	500	1	331527 213690
137	<b>BGS Recorded Mineral Sites</b> Site Name: Coldbrook Park Location: Abergavenny, Gwent Source: British Geological Survey, National Geoscience Information Service Reference: 126339 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: St Maughans Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	192	1	331244 213384
138	<b>BGS Recorded Mineral Sites</b> Site Name: Nag Farm Location: Abergavenny, Gwent Source: British Geological Survey, National Geoscience Information Service Reference: 126340 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: St Maughans Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (NE)	225	1	331246 213911
139	<b>BGS Recorded Mineral Sites</b> Site Name: Glan-Garennny House Location: Abergavenny, Gwent Source: British Geological Survey, National Geoscience Information Service Reference: 126342 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: St Maughans Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	446	1	331412 214187
	<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> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330889 213660
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	330998 213710
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	96	1	331000 214092
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NW (SW)	147	1	330678 213373
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A9NW (E)	171	1	331205 213640
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	217	1	330608 214269
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8SE (S)	250	1	331137 213017
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	2	1	331029 213705
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NW (SW)	147	1	330678 213373
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SE (S)	126	1	330949 213042
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A9NW (E)	171	1	331205 213640
	<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	A13SE (SE)	0	1	330867 213670
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A8NW (SW)	0	1	330824 213601
	<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	A13SE (SE)	0	1	330867 213670
	<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	A8NW (SW)	0	1	330824 213601

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mayglothing Waste            Location: Holywell Cr, Abergavenny, Gwent, NP7 5LL            Classification: Waste Disposal Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A12SE (NW)	159	-	330464 213952
141	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Body Shop            Location: Station Yard, Station Road, Abergavenny, Gwent, NP7 5HS            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NW (W)	184	-	330527 213600
141	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Green Park Power            Location: Unit 3 Station Enterprises, Station Road, Abergavenny, Gwent, NP7 5HY            Classification: Electricity Generating &amp; Distributing Equipment  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NW (W)	188	-	330531 213582
141	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: K K Designs            Location: Unit 6, Station Enterprises, Station Road, Abergavenny, Gwent, NP7 5HY            Classification: Digital Printing  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NW (W)	196	-	330530 213565
142	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Laundry Basket            Location: Unit 9, Station Enterprises, Station Road, Abergavenny, NP7 5HY            Classification: Ironing &amp; Home Laundry Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NW (W)	202	-	330532 213548
143	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Natural Stone Pillar Co            Location: Old Monmouth Rd, Abergavenny, Gwent, NP7 5LB            Classification: Stone Products - Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13NW (NW)	280	-	330561 214315
144	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Station Garage            Location: Station House, Station Road, Abergavenny, Gwent, NP7 5HS            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7NE (W)	280	-	330441 213555
145	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Free Range Cleaning Ltd            Location: 22, Gavenny Way, Abergavenny, Gwent, NP7 5LX            Classification: Commercial Cleaning Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	366	-	330451 214351
146	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Westlow Home Improvements            Location: 1, Station Road, Abergavenny, Gwent, NP7 5HS            Classification: Window Frame Manufacturers' Equipment  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (W)	376	-	330366 213490
147	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Peter Jones I L G Ltd            Location: 1, Thomas Industrial Units, Lower Monk Street, Abergavenny, Gwent, NP7 5LU            Classification: Radio Communication Equipment  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	380	-	330297 214203
147	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Countrywide Farmers            Location: Lower Monk Street, Abergavenny, Gwent, NP7 5LU            Classification: Agricultural Merchants  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	402	-	330293 214243

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mai'S Oven Cleaning Location: 41, Heol Hamelin, Abergavenny, Gwent, NP7 6AJ Classification: Oven cleaning <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	456	-	330784 214598
149	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Abergavenny Auto Repairs Location: Unit 36, Mill Street Industrial Estate, Mill Street, Abergavenny, NP7 5HE Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	473	-	330155 213874
149	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Abergavenny Auto Repairs Location: Unit 36, Mill Street Industrial Estate, Mill Street, Abergavenny, NP7 5HE Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	473	-	330155 213874
149	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: B W Auto Services Ltd Location: Unit 36, Mill Street Industrial Estate, Mill Street, Abergavenny, NP7 5HE Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	473	-	330155 213874
149	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mirage Furnishings Location: Mill Street Garage, Mill Street, Abergavenny, Gwent, NP7 5HE Classification: Kitchen Furniture Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	498	-	330135 213842
149	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Colorcade Location: Mill Street Industrial Estate, Mill Street, Abergavenny, Gwent, NP7 5HE Classification: Painting &amp; Decorating Supplies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	498	-	330135 213842
149	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: B W Auto Services Location: Mill Street Industrial Estate, Mill Street, Abergavenny, Gwent, NP7 5HE Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	498	-	330135 213842
150	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Aroundglass Location: 89, Monmouth Road, Abergavenny, Gwent, NP7 5HR Classification: Garden Ornament Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	488	-	330292 213392
151	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Travis Perkins Plc Location: Ross Road, Abergavenny, Gwent, NP7 5LT Classification: Builders' Merchants <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	490	-	330215 214282
152	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ats Euromaster Ltd Location: 11, Monmouth Road, ABERGAVENNY, Gwent, NP7 5HF Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	495	-	330129 213917
153	<p><b>Points of Interest - Commercial Services</b></p> <p>Name: The Body Shop Station Garage Location: Station Road, Abergavenny, NP7 5HS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A13SW (W)	146	7	330520 213714
154	<p><b>Points of Interest - Commercial Services</b></p> <p>Name: The Body Shop Location: Station Yard, Station Road, Abergavenny, NP7 5HS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A8NW (W)	184	7	330527 213600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	<b>Points of Interest - Commercial Services</b> Name: Abergavenny Auto Repairs Location: Unit 36 Mill Street Industrial Estate, Mill Street, Abergavenny, NP7 5HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	474	7	330154 213874
155	<b>Points of Interest - Commercial Services</b> Name: Bw Auto Services Location: Unit 36 Mill Street Industrial Estate, Mill Street, Abergavenny, NP7 5HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	476	7	330152 213872
155	<b>Points of Interest - Commercial Services</b> Name: B W Auto Services Ltd Location: Unit 36 Mill Street Industrial Estate, Mill Street, Abergavenny, NP7 5HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	476	7	330152 213872
155	<b>Points of Interest - Commercial Services</b> Name: B W Auto Services Location: Mill Street Industrial Estate, Mill Street, Abergavenny, NP7 5HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	498	7	330135 213842
155	<b>Points of Interest - Commercial Services</b> Name: W G Lane & Sons Location: Mill Street Industrial Estate, Mill Street, Abergavenny, NP7 5HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	498	7	330135 213842
155	<b>Points of Interest - Commercial Services</b> Name: Abergavenny Auto Repairs Location: The M O T Station, Walnut Tree Yard Mill Street, Abergavenny, NP7 5HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	498	7	330135 213842
156	<b>Points of Interest - Manufacturing and Production</b> Name: Roc House Farm Location: Roc House Farm, Coldbrook, Abergavenny, NP7 9ST Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13SW (W)	0	7	330748 213657
157	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	356	7	331382 213692
158	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	378	7	331123 214419
159	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	432	7	330953 214557
159	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	438	7	330930 214570
160	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	459	7	330172 214036

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: NP7 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	462	7	330169 214036
160	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NE (NW)	463	7	330170 214054
160	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: NP7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NE (NW)	464	7	330168 214048
160	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: NP7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (NW)	480	7	330153 214051
161	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	475	7	330217 214256
161	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: NP7 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	478	7	330214 214256
162	<b>Points of Interest - Public Infrastructure</b> Name: Abergavenny Rail Station Location: NP7 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8NW (W)	198	7	330530 213559
162	<b>Points of Interest - Public Infrastructure</b> Name: Abergavenny Station Location: Station Road, NP7 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8NW (W)	198	7	330530 213559
163	<b>Points of Interest - Public Infrastructure</b> Name: Cessxpress Location: 5 Laburnum Walk, Abergavenny, NP7 5JX Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18SW (N)	356	7	330660 214458
164	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: NP7 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	391	7	330255 214117
164	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: NP7 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	394	7	330252 214116
165	<b>Points of Interest - Public Infrastructure</b> Name: Bus Station Location: NP7 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A12NW (NW)	462	7	330163 213989



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	<p><b>Points of Interest - Public Infrastructure</b></p> <p>Name: Bus Station            Location: NP7            Category: Public Transport, Stations and Infrastructure            Class Code: Bus and Coach Stations, Depots and Companies            Positional Accuracy: Positioned to an adjacent address or location</p>	A12SW (NW)	470	7	330155 213986
166	<p><b>Points of Interest - Public Infrastructure</b></p> <p>Name: Cemetery            Location: Not Supplied            Category: Infrastructure and Facilities            Class Code: Cemeteries and Crematoria            Positional Accuracy: Positioned to an adjacent address or location</p>	A17SE (NW)	476	7	330356 214420
166	<p><b>Points of Interest - Public Infrastructure</b></p> <p>Name: Cemetery            Location: NP7            Category: Infrastructure and Facilities            Class Code: Cemeteries and Crematoria            Positional Accuracy: Positioned to an adjacent address or location</p>	A17SE (NW)	480	7	330350 214420
167	<p><b>Points of Interest - Public Infrastructure</b></p> <p>Name: Weir            Location: NP7            Category: Water            Class Code: Weirs, Sluices and Dams            Positional Accuracy: Positioned to an adjacent address or location</p>	A12SW (W)	498	7	330159 213759
167	<p><b>Points of Interest - Public Infrastructure</b></p> <p>Name: Weir            Location: NP7            Category: Water            Class Code: Weirs, Sluices and Dams            Positional Accuracy: Positioned to an adjacent address or location</p>	A12SW (W)	499	7	330156 213765
168	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Play Area            Location: NP7            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A12NE (NW)	224	7	330495 214209
169	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Play Area            Location: Not Supplied            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A12NE (NW)	426	7	330225 214139
170	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Play Area            Location: Monmouth Road, NP7            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to address or location</p>	A12SE (NW)	439	7	330184 213954
171	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Play Area            Location: NP7            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A17SE (NW)	440	7	330339 214359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	<b>Ancient Woodland</b> Name: Not Supplied Reference: 41711 Area(m <sup>2</sup> ): 39210.64 Type: Plantation on Ancient Woodland	A13SE (E)	81	2	331099 213763
173	<b>Ancient Woodland</b> Name: Not Supplied Reference: 41710 Area(m <sup>2</sup> ): 42652.09 Type: Plantation on Ancient Woodland	A9NW (E)	207	2	331300 213555
174	<b>Ancient Woodland</b> Name: Not Supplied Reference: 17234 Area(m <sup>2</sup> ): 49298.7 Type: Ancient and Semi-Natural Woodland	A9NW (SE)	272	2	331361 213366
175	<b>Ancient Woodland</b> Name: Not Supplied Reference: 17234 Area(m <sup>2</sup> ): 4757.12 Type: Ancient and Semi-Natural Woodland	A14SW (E)	349	2	331374 213702
176	<b>Ancient Woodland</b> Name: Not Supplied Reference: 41710 Area(m <sup>2</sup> ): 46771.49 Type: Plantation on Ancient Woodland	A9SW (SE)	436	2	331512 213289
177	<b>Ancient Woodland</b> Name: Not Supplied Reference: 22540 Area(m <sup>2</sup> ): 27849.39 Type: Restored Ancient Woodland Site	A4NW (S)	485	2	331212 212789



<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contaminated Land Register Entries and Notices</b> Natural Resources Wales Monmouthshire Council - Environment Department	June 2020 September 2017	Annually Annual Rolling Update
<b>Discharge Consents</b> Natural Resources Wales Environment Agency - Welsh Region	April 2021 August 2014	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Welsh Region	March 2013	
<b>Integrated Pollution Controls</b> Environment Agency - Welsh Region	January 2009	
<b>Integrated Pollution Prevention And Control</b> Natural Resources Wales Environment Agency - Welsh Region	April 2021 January 2021	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Monmouthshire Council - Environmental Health Department	June 2014	Variable
<b>Local Authority Pollution Prevention and Controls</b> Monmouthshire Council - Environmental Health Department	June 2014	Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Monmouthshire Council - Environmental Health Department	June 2014	Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	April 2021	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Welsh Region	December 1998	
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
<b>Registered Radioactive Substances</b> Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually Annually
<b>Substantiated Pollution Incident Register</b> Natural Resources Wales Environment Agency Wales - South East Area	April 2021 January 2021	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Welsh Region Natural Resources Wales	April 2021 April 2021	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Natural Resources Wales Environment Agency - Welsh Region	April 2021 October 2017	Quarterly Quarterly
<b>Groundwater Vulnerability Map</b> Natural Resources Wales	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Natural Resources Wales	January 2018	Annually
<b>Superficial Aquifer Designations</b> Natural Resources Wales	January 2018	Annually
<b>Source Protection Zones</b> Natural Resources Wales	July 2017	Annual Rolling Update
<b>Extreme Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	September 2020	Quarterly

<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	September 2020	Quarterly
<b>Areas Benefiting from Flood Defences</b> Natural Resources Wales	November 2019	Quarterly
<b>Flood Water Storage Areas</b> Natural Resources Wales	August 2019	Quarterly
<b>Flood Defences</b> Natural Resources Wales	November 2019	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	July 2021	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Natural Resources Wales	May 2018	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Natural Resources Wales	May 2018	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Natural Resources Wales	May 2018	Annually
<b>Surface Water Suitability</b> Natural Resources Wales	February 2016	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually
<b>Waste</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
<b>Historical Landfill Sites</b> Natural Resources Wales	July 2019	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Welsh Region	January 2009	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency Wales - South East Area Natural Resources Wales	January 2021 January 2021	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency Wales - South East Area Natural Resources Wales	April 2021 April 2021	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Monmouthshire Council - Environment	February 2003	Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Monmouthshire Council - Environment	October 2018	
<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	
<b>Registered Landfill Sites</b> Environment Agency Wales - South East Area	March 2006	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency Wales - South East Area	April 2018	
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency Wales - South East Area	June 2015	

<b>Hazardous Substances</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	August 2001	
<b>Planning Hazardous Substance Enforcements</b> Brecon Beacons National Park Monmouthshire Council - Environment	August 2008 February 2016	Annual Rolling Update Variable
<b>Planning Hazardous Substance Consents</b> Brecon Beacons National Park Monmouthshire Council - Environment	August 2008 February 2016	Annual Rolling Update Variable
<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<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	December 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	June 1998	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	April 2020	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2021	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	June 2021	Quarterly
<b>Gas Pipelines</b> National Grid	May 2021	Annually
<b>Points of Interest - Commercial Services</b> PointX	June 2021	Quarterly
<b>Points of Interest - Education and Health</b> PointX	June 2021	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	June 2021	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	June 2021	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	June 2021	Quarterly
<b>Underground Electrical Cables</b> National Grid	May 2021	Annually

<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural Resources Wales	September 2018	Bi-Annually
<b>Areas of Adopted Green Belt</b> Brecon Beacons National Park Monmouthshire Council	October 2020 October 2020	Quarterly Quarterly
<b>Areas of Unadopted Green Belt</b> Brecon Beacons National Park Monmouthshire Council	October 2020 October 2020	Quarterly Quarterly
<b>Areas of Outstanding Natural Beauty</b> Natural Resources Wales	June 2019	Bi-Annually
<b>Environmentally Sensitive Areas</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Monmouthshire Council	August 2018	Bi-Annually
<b>Marine Nature Reserves</b> Natural Resources Wales	August 2018	Bi-Annually
<b>National Nature Reserves</b> Natural Resources Wales	July 2019	Bi-Annually
<b>National Parks</b> Natural Resources Wales	February 2018	Annually
<b>Nitrate Vulnerable Zones</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 July 2019	Bi-Annually
<b>Ramsar Sites</b> Natural Resources Wales	July 2019	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural Resources Wales	March 2020	Bi-Annually
<b>Special Areas of Conservation</b> Natural Resources Wales	August 2020	Bi-Annually
<b>Special Protection Areas</b> Natural Resources Wales	August 2018	Bi-Annually
<b>World Heritage Sites</b> Welsh Historic Environment Service (Cadw)	November 2017	Bi-Annually

A selection of organisations who provide data within this report

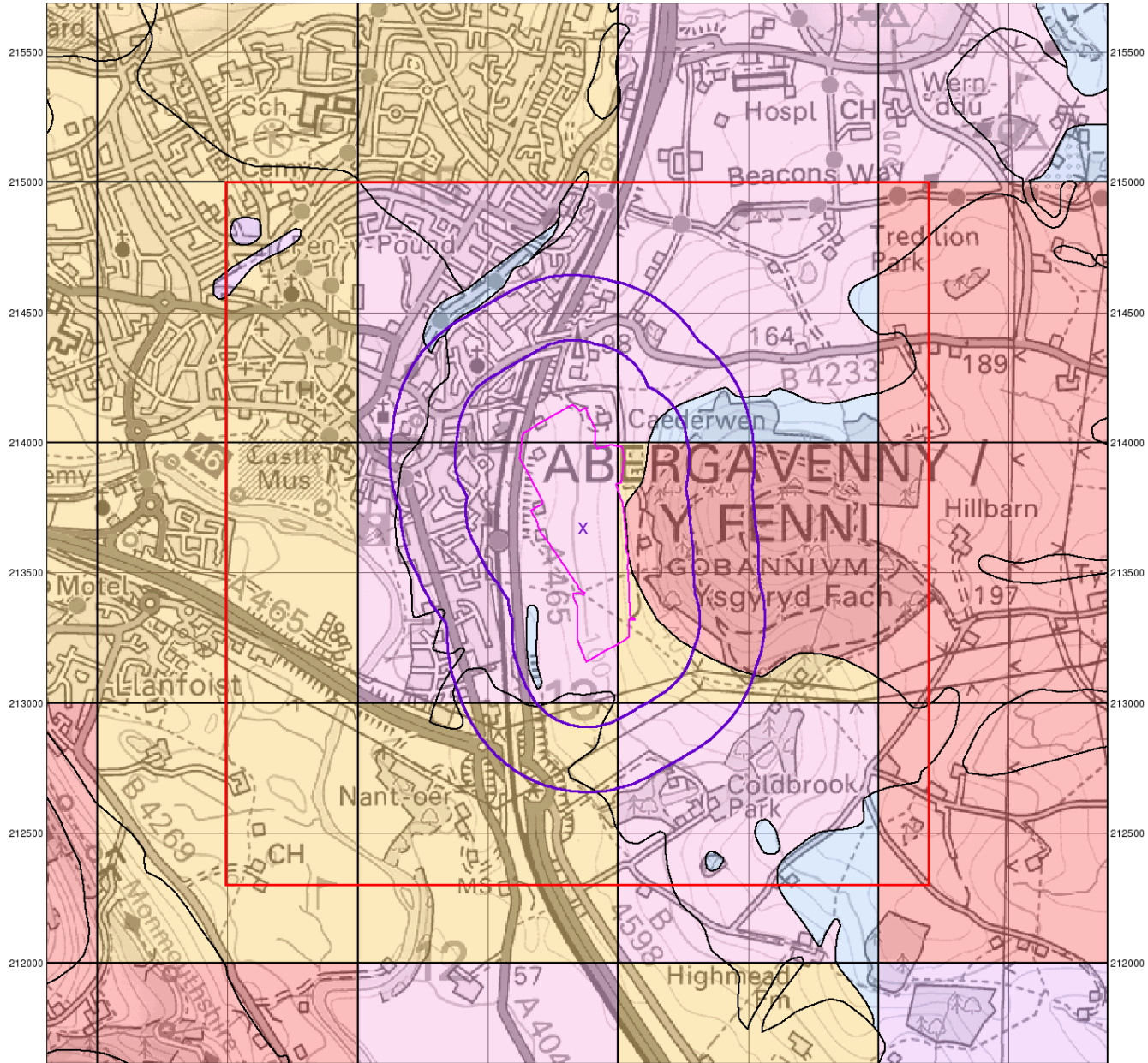
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp;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

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Natural Resources Wales</b> Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	<b>Monmouthshire Council - Environmental Health Department</b> Environmental Services Department, County Hall, Cwmbran, Gwent, NP44 2XH	Telephone: 01633 644116 Fax: 01633 644105 Website: www.monmouthshire.gov.uk
4	<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
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	<b>Monmouthshire Council - Environment</b> County Hall, Cwbran, NP44 2XH	Telephone: 01633 644644 Fax: 01633 832990 Website: www.monmouthshire.gov.uk
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.



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0 1 km

# Intégral Géotechnique

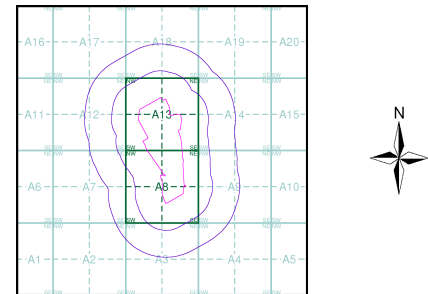
## Groundwater Vulnerability

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

- Agency and Hydrological**
- | Bedrock Aquifers                        |   | Superficial Aquifers                    |   |
|---|---|---|---|
| High Vulnerability, Principal Aquifer   | High Vulnerability, Principal Aquifer   | High Vulnerability, Principal Aquifer   | High Vulnerability, Principal Aquifer   |
| High Vulnerability, Secondary Aquifer   | High Vulnerability, Secondary Aquifer   | High Vulnerability, Secondary Aquifer   | High Vulnerability, Secondary Aquifer   |
| Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer |
| Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer |
| Low Vulnerability, Principal Aquifer    | Low Vulnerability, Principal Aquifer    | Low Vulnerability, Principal Aquifer    | Low Vulnerability, Principal Aquifer    |
| Low Vulnerability, Secondary Aquifer    | Low Vulnerability, Secondary Aquifer    | Low Vulnerability, Secondary Aquifer    | Low Vulnerability, Secondary Aquifer    |

- Unproductive Aquifer
- Soluble Rock

### Site Sensitivity Context Map - Slice A



**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

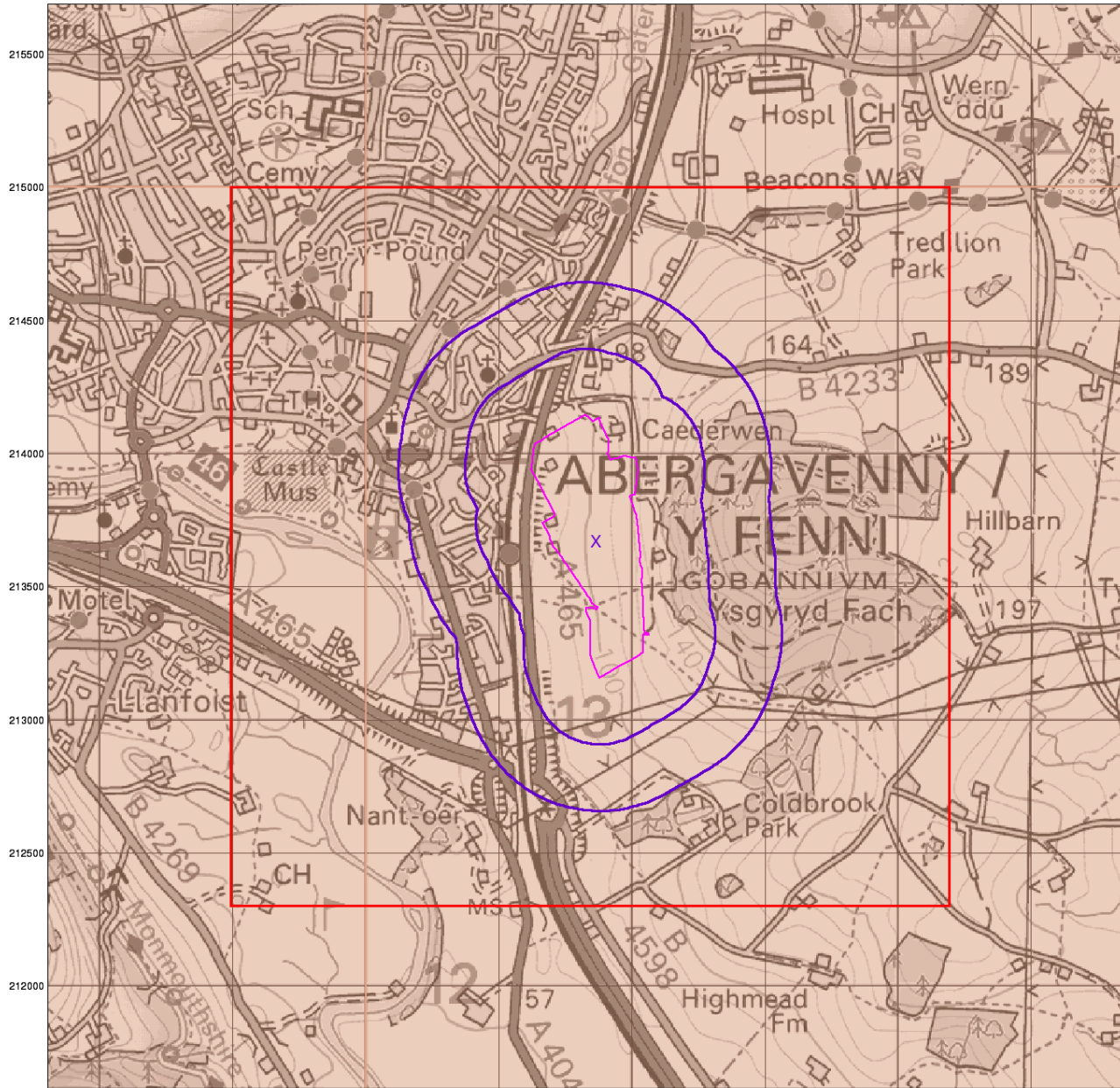
**Site Details**  
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# Intégral Géotechnique

## Bedrock Aquifer Designation

### General

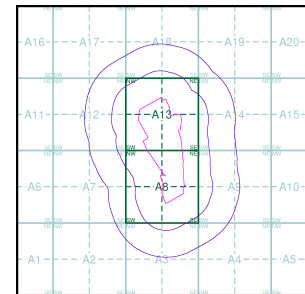
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

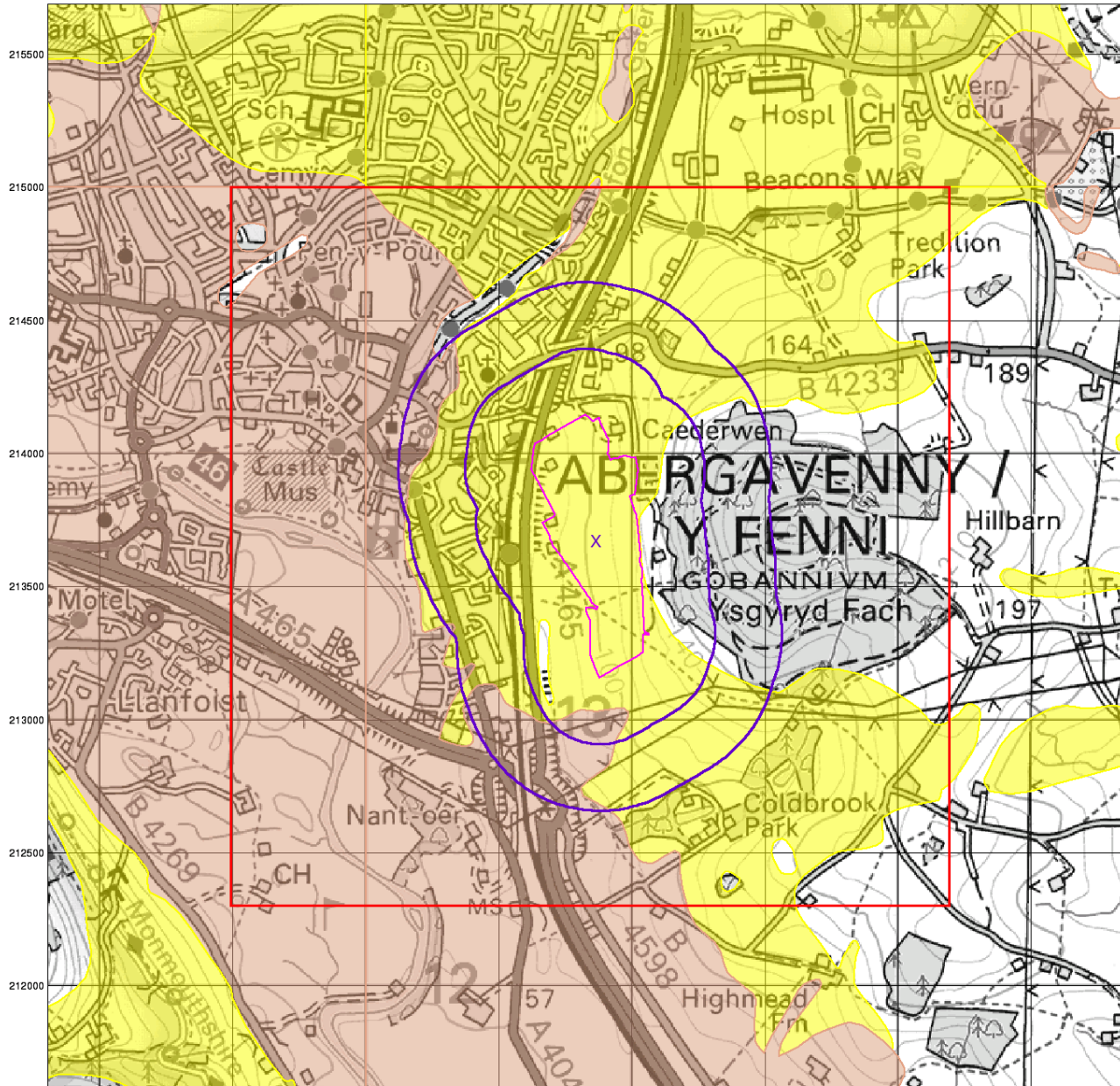
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0 1 km

# Intégral Géotechnique

## Superficial Aquifer Designation

### General

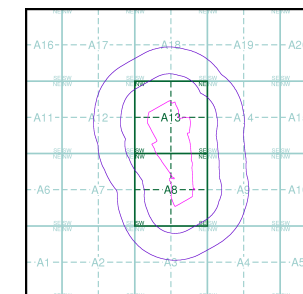
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

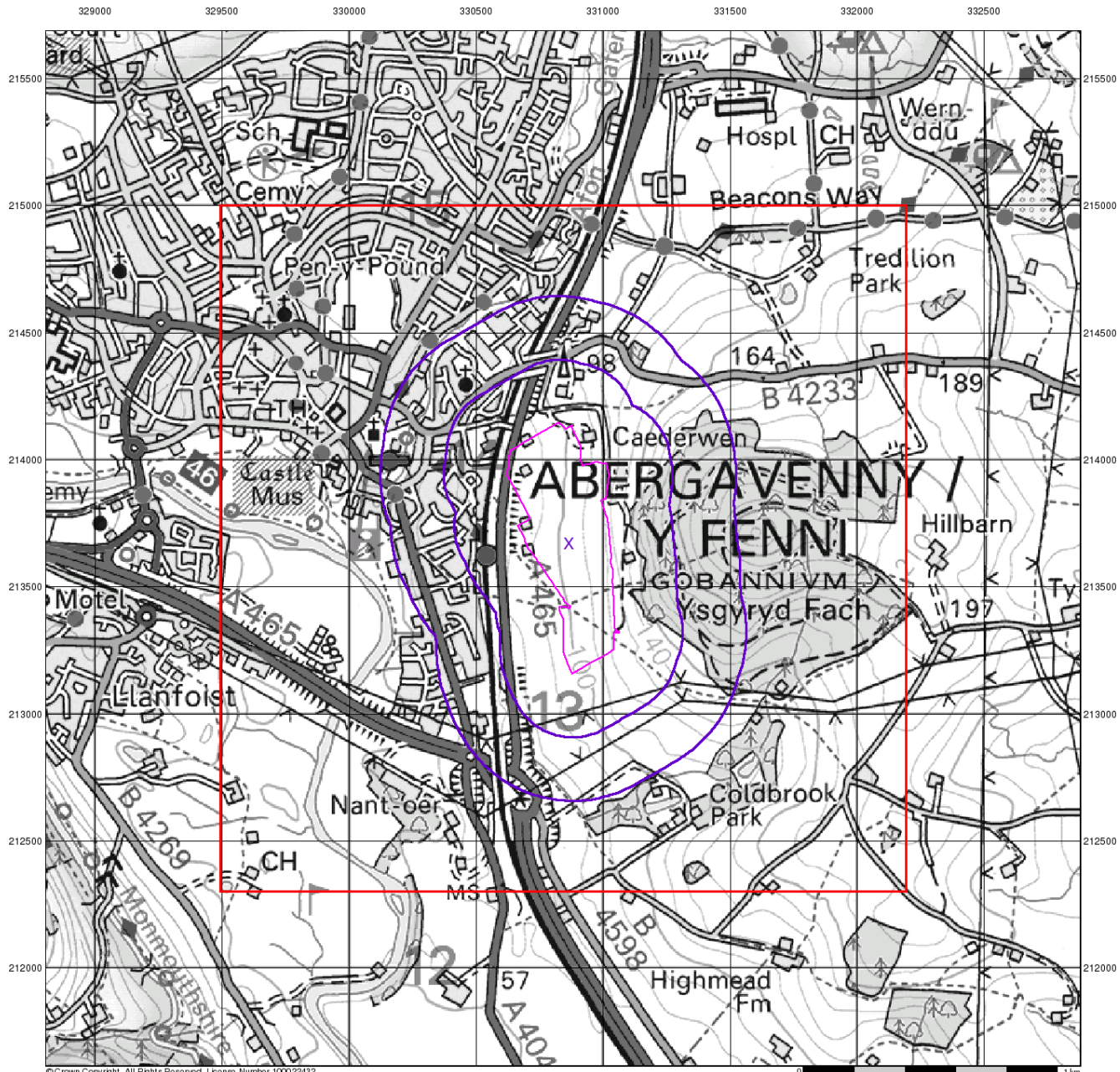
### Site Details

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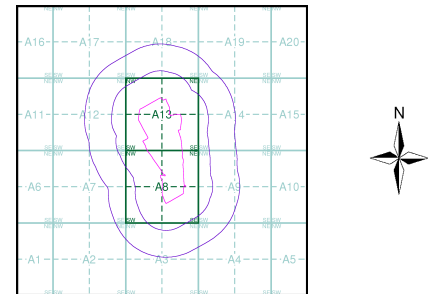
0 1 km

# Intégral Géotechnique

## Source Protection Zones

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID
- Agency and Hydrological**
- Inner zone (Zone 1)
  - Inner zone - subsurface activity only (Zone 1c)
  - Outer zone (Zone 2)
  - Outer zone - subsurface activity only (Zone 2c)
  - Total catchment (Zone 3)
  - Total catchment - subsurface activity only (Zone 3c)
  - Special interest (Zone 4)

## Site Sensitivity Context Map - Slice A



## Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

## Site Details

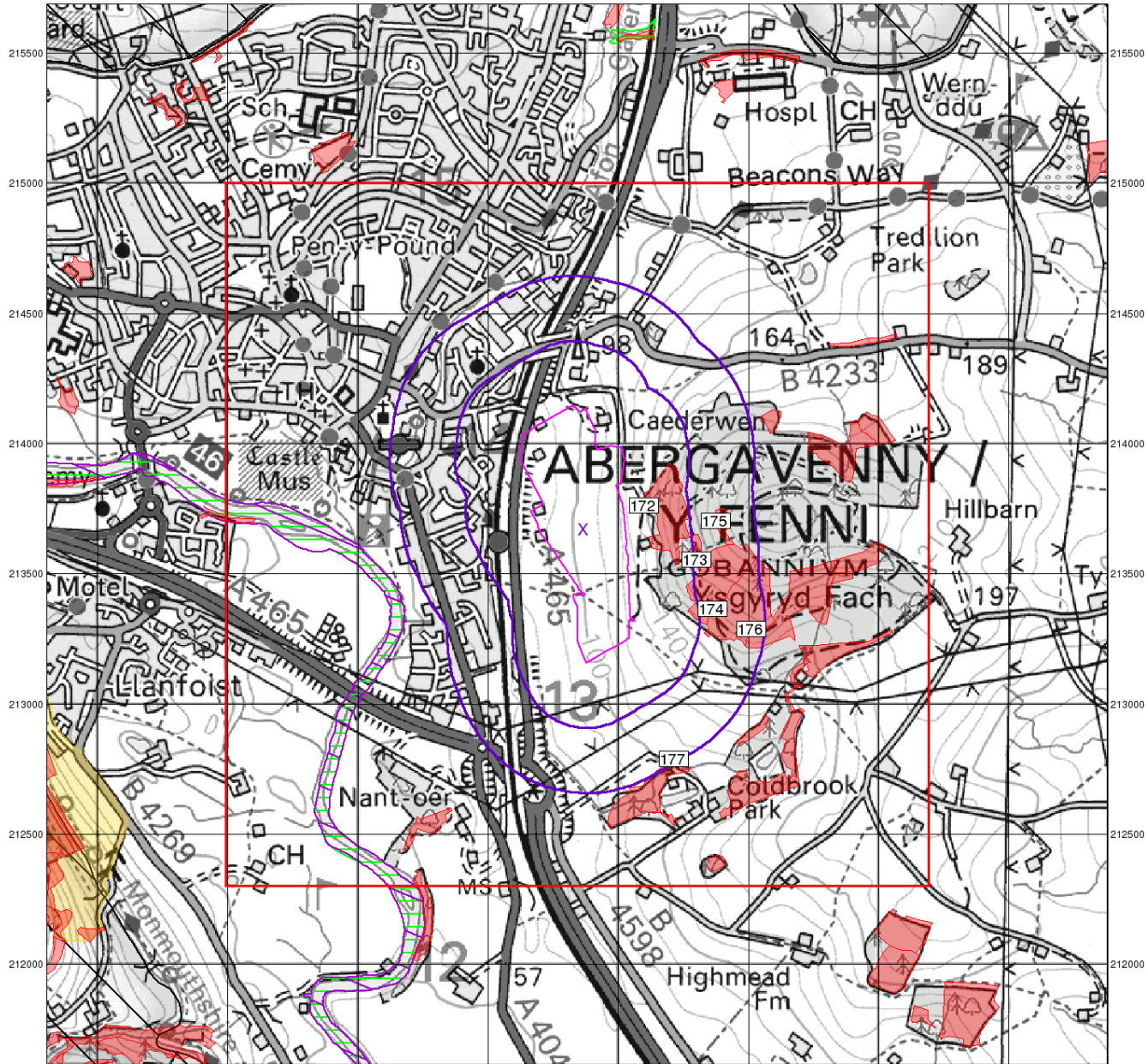
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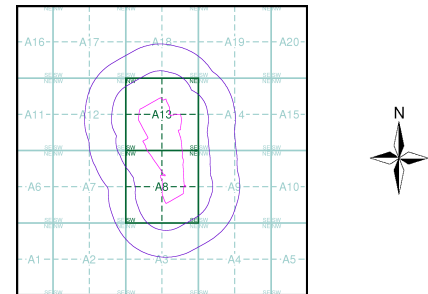
0 1 km

# Intégral Géotechnique

## Sensitive Land Uses

- General**
- Specified Site
  - Slice
  - Specified Buffer(s)
  - Map ID
  - Bearing Reference Point
- Sensitive Land Uses**
- Ancient Woodland
  - Area of Adopted Green Belt
  - Area of Unadopted Green Belt
  - Area of Outstanding Natural Beauty
  - Environmentally Sensitive Area
  - Forest Park
  - Local Nature Reserve
  - Marine Nature Reserve
  - National Nature Reserve
  - National Park
  - Nitrate Sensitive Area
  - Nitrate Vulnerable Zone
  - Ramsar Site
  - Site of Special Scientific Interest
  - Special Area of Conservation
  - Special Protection Area
  - World Heritage Sites

## Site Sensitivity Context Map - Slice A



## Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

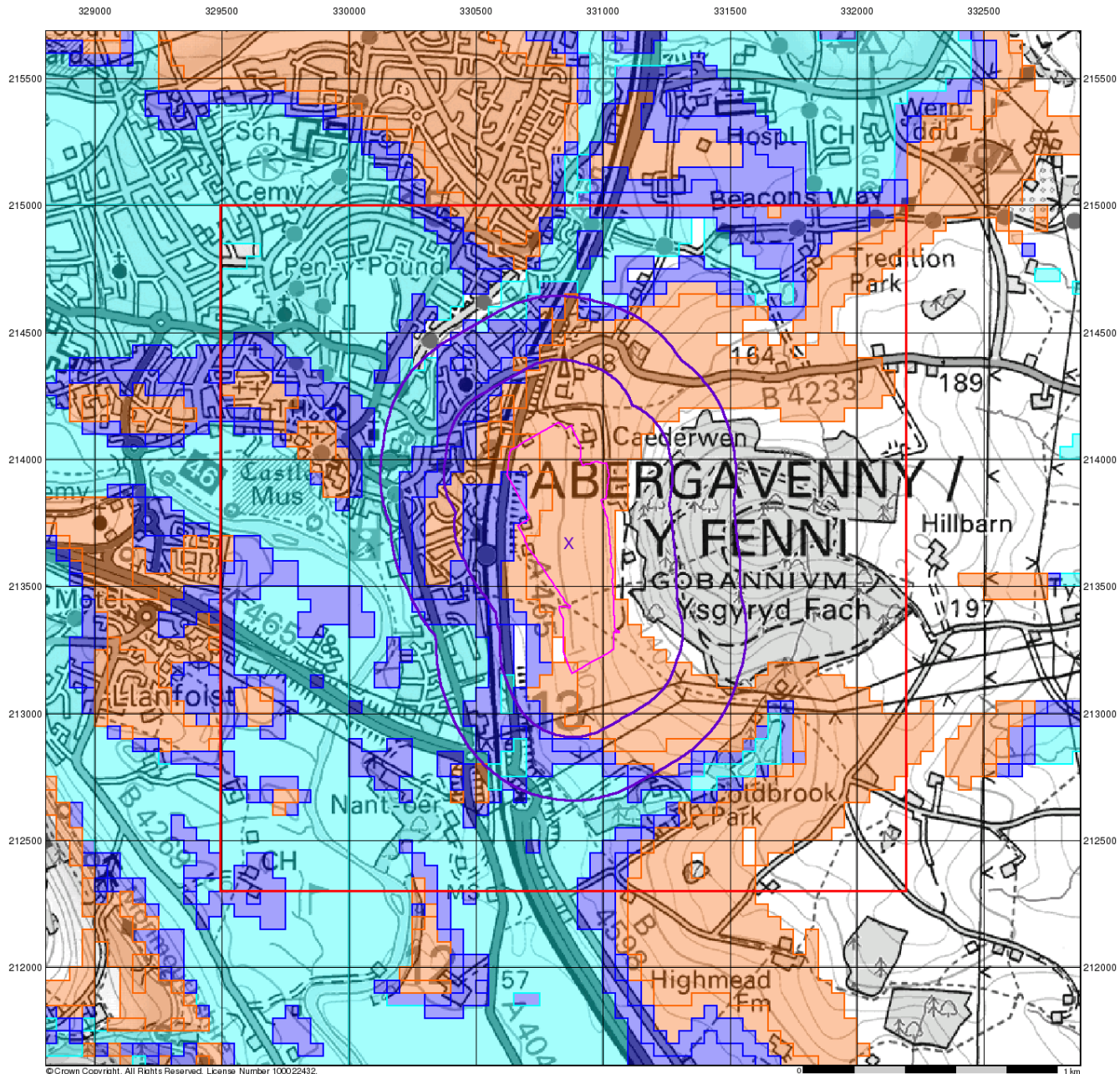
## Site Details

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# Intégral Géotechnique

## BGS Flood GFS Data

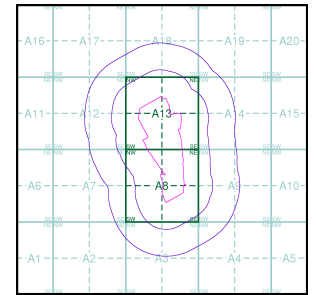
### General

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

### Agency and Hydrological (Flood)

- ⬡ Limited Potential for Groundwater Flooding to Occur
- ⬡ Potential for Groundwater Flooding of Property Situated Below Ground Level
- ⬡ Potential for Groundwater Flooding to Occur at Surface

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number:	282534669_1_1
Customer Ref:	12898/LP
National Grid Reference:	330870, 213670
Slice:	A
Site Area (Ha):	24.92
Search Buffer (m):	500

### Site Details

Land East of A465, Abergavenny, NP7 5LG

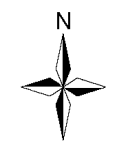
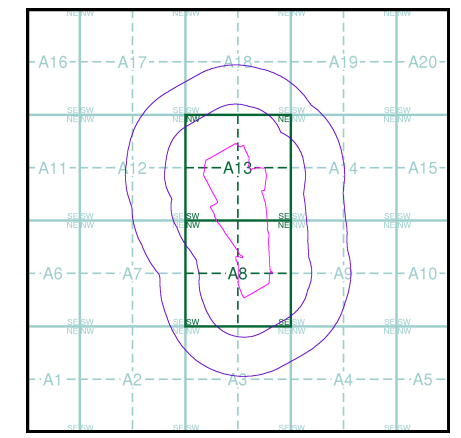


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- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control 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)
  - 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 (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
  - NIHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

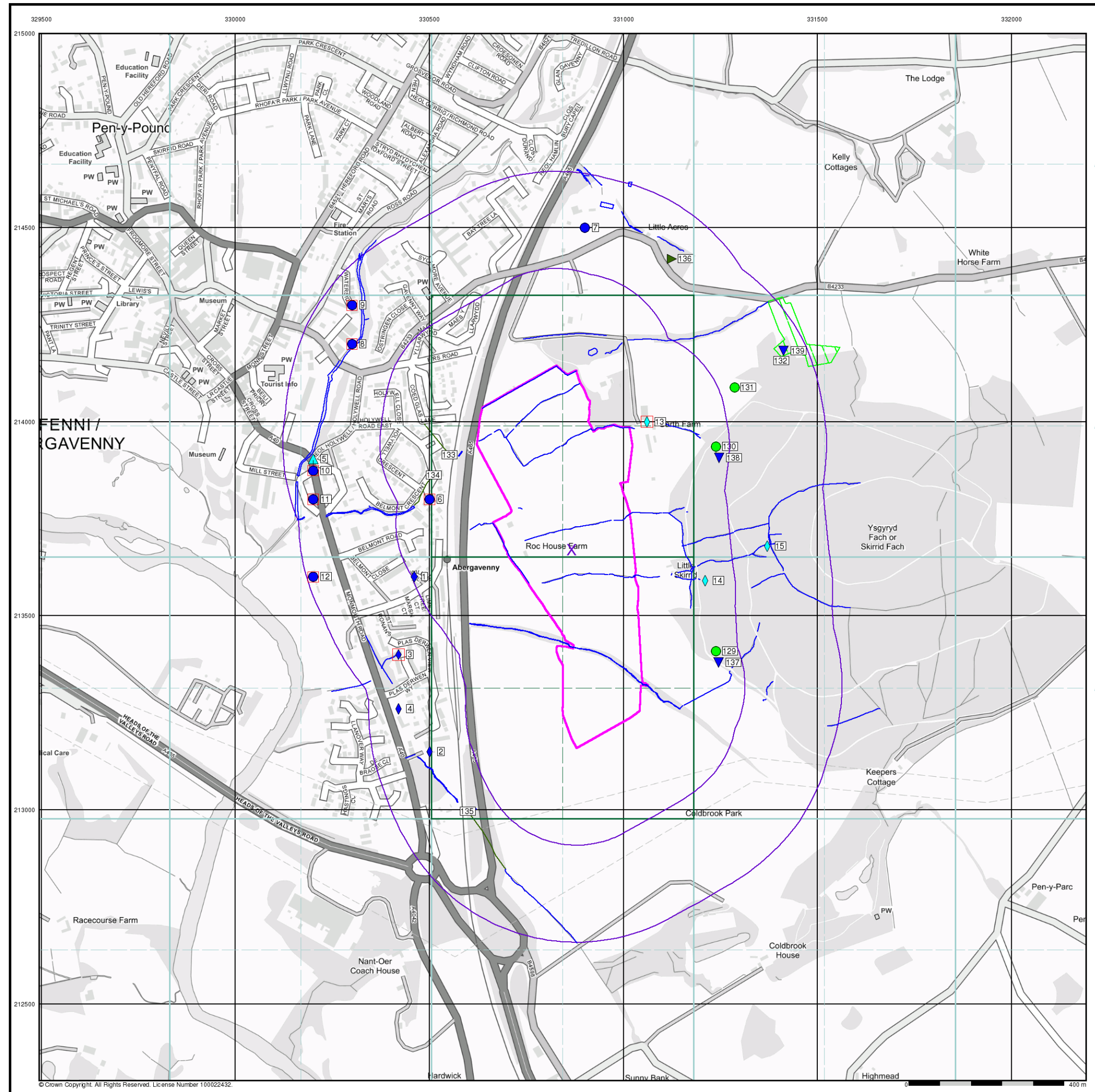
## Site Sensitivity Map - Slice A



**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

**Site Details**  
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# Intégral Géotechnique

## Industrial Land Use Map

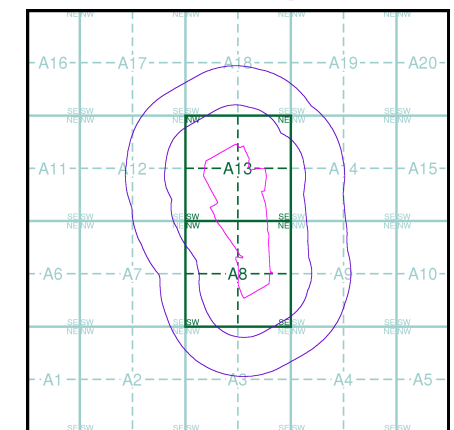
### General

-  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 A



### Order Details

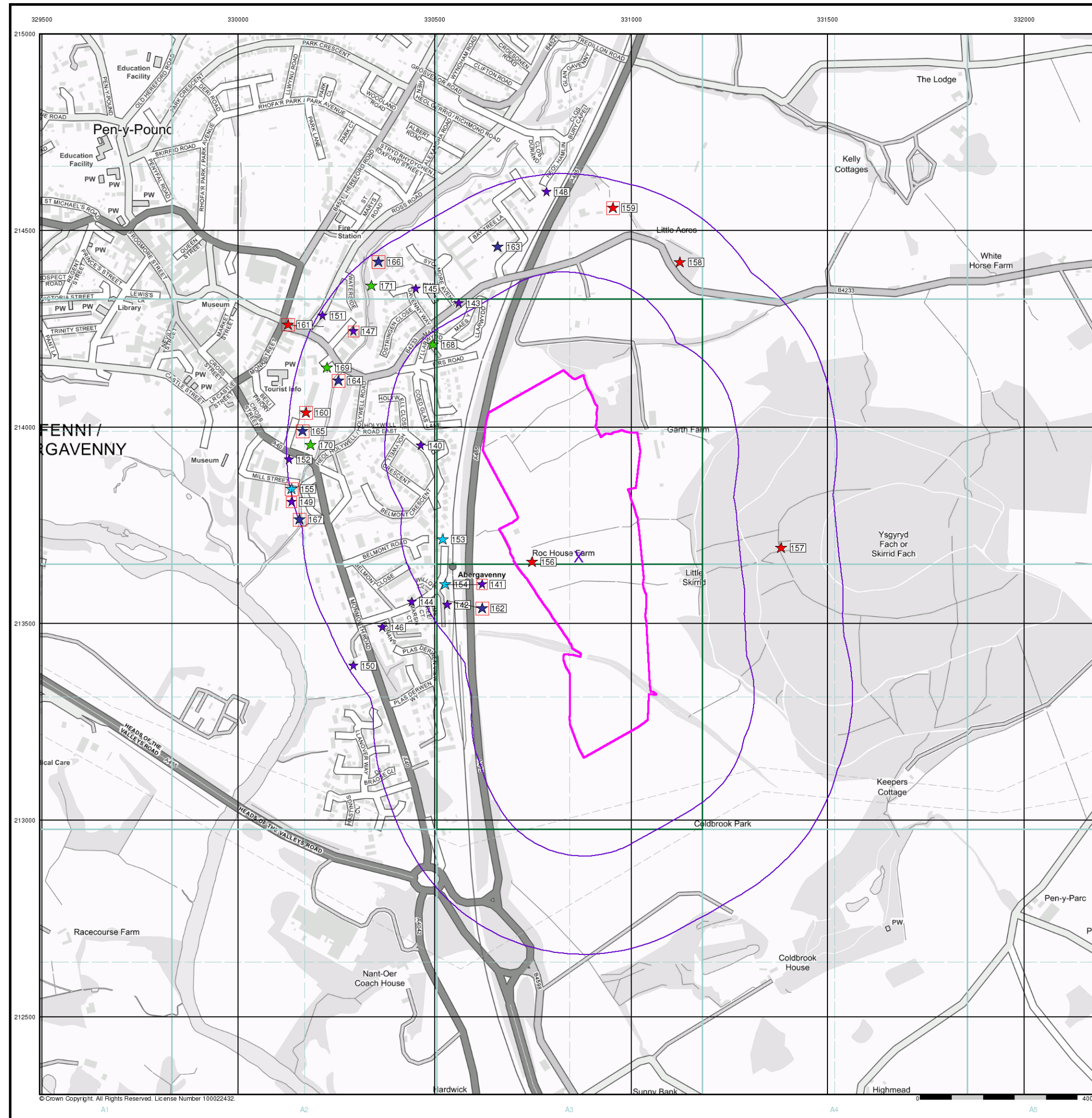
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

### Site Details

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**Landmark**  
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# Intégral Géotechnique

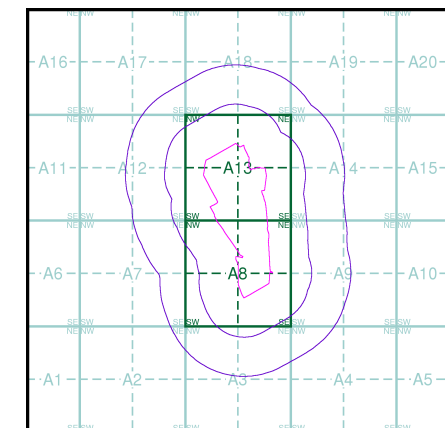
## General

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

## Agency and Hydrological (Flood)

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

## Flood Map - Slice A



## Order Details

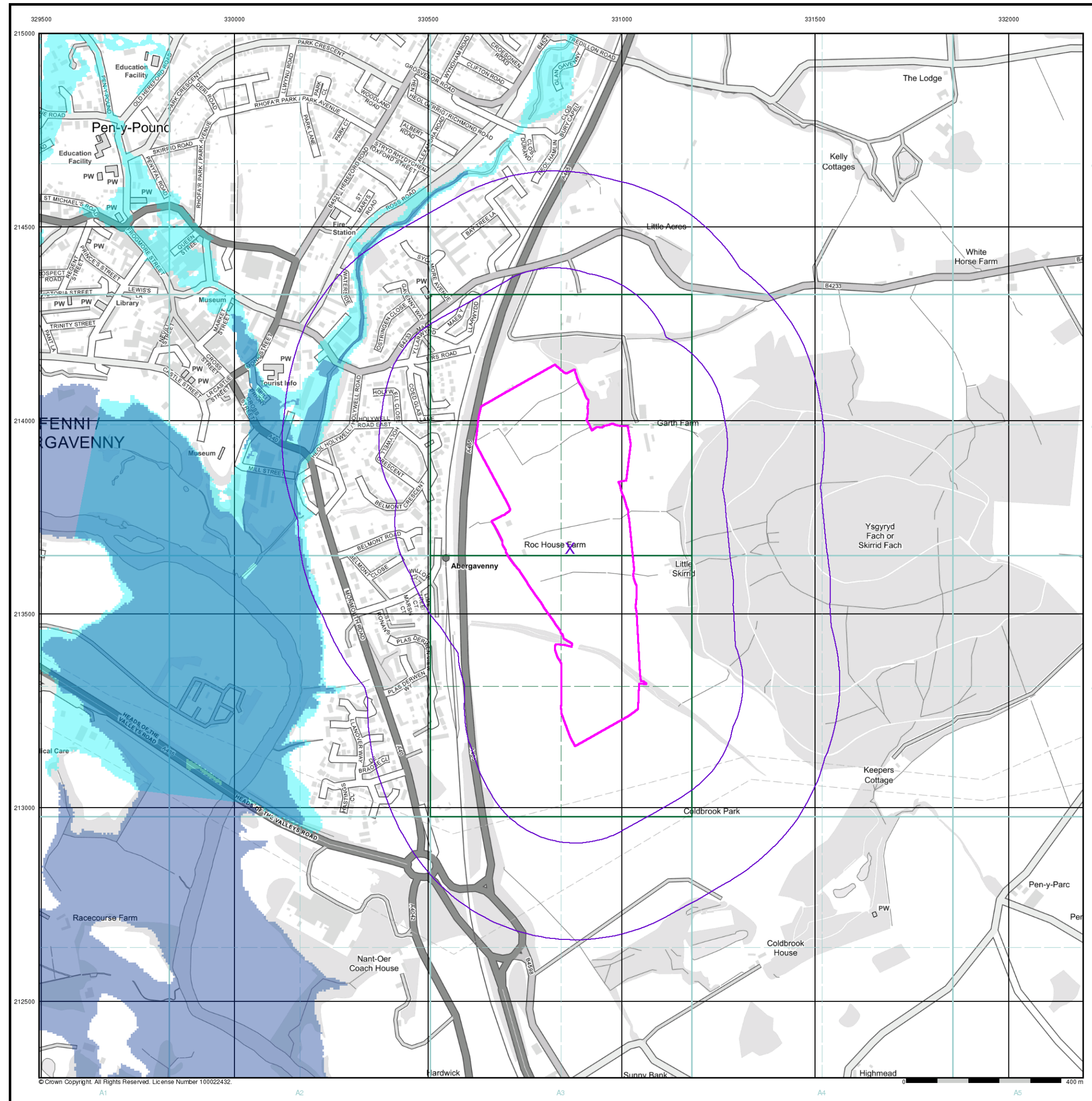
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

## Site Details

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### General

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

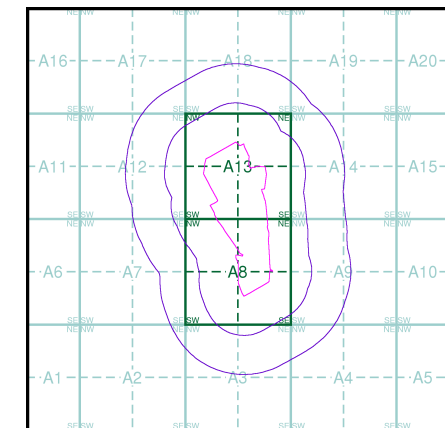
### Agency and Hydrological (Boreholes)

- 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 A

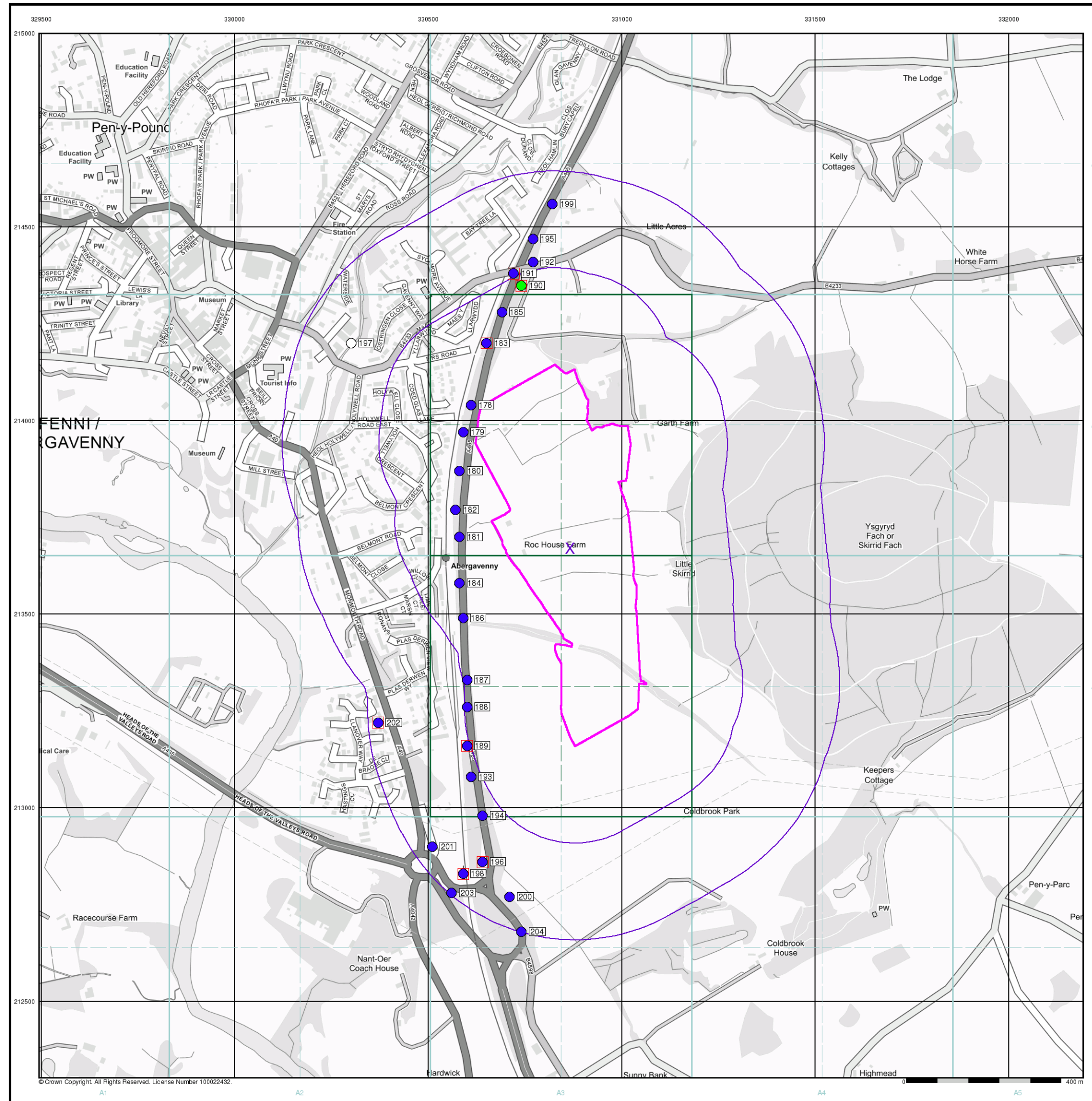


### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

### Site Details

Land East of A465, Abergavenny, NP7 5LG



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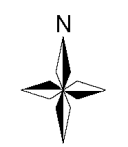
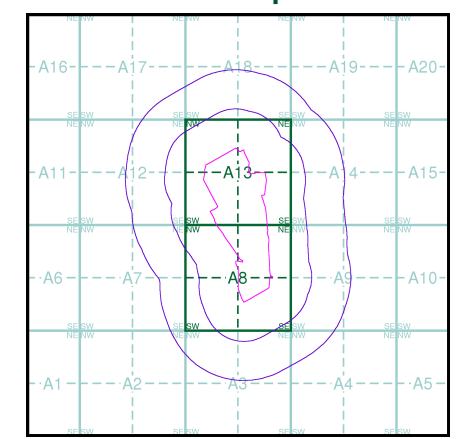
# Intégral Géotechnique

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

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

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

## OS Water Network Map - Slice A



**Order Details**

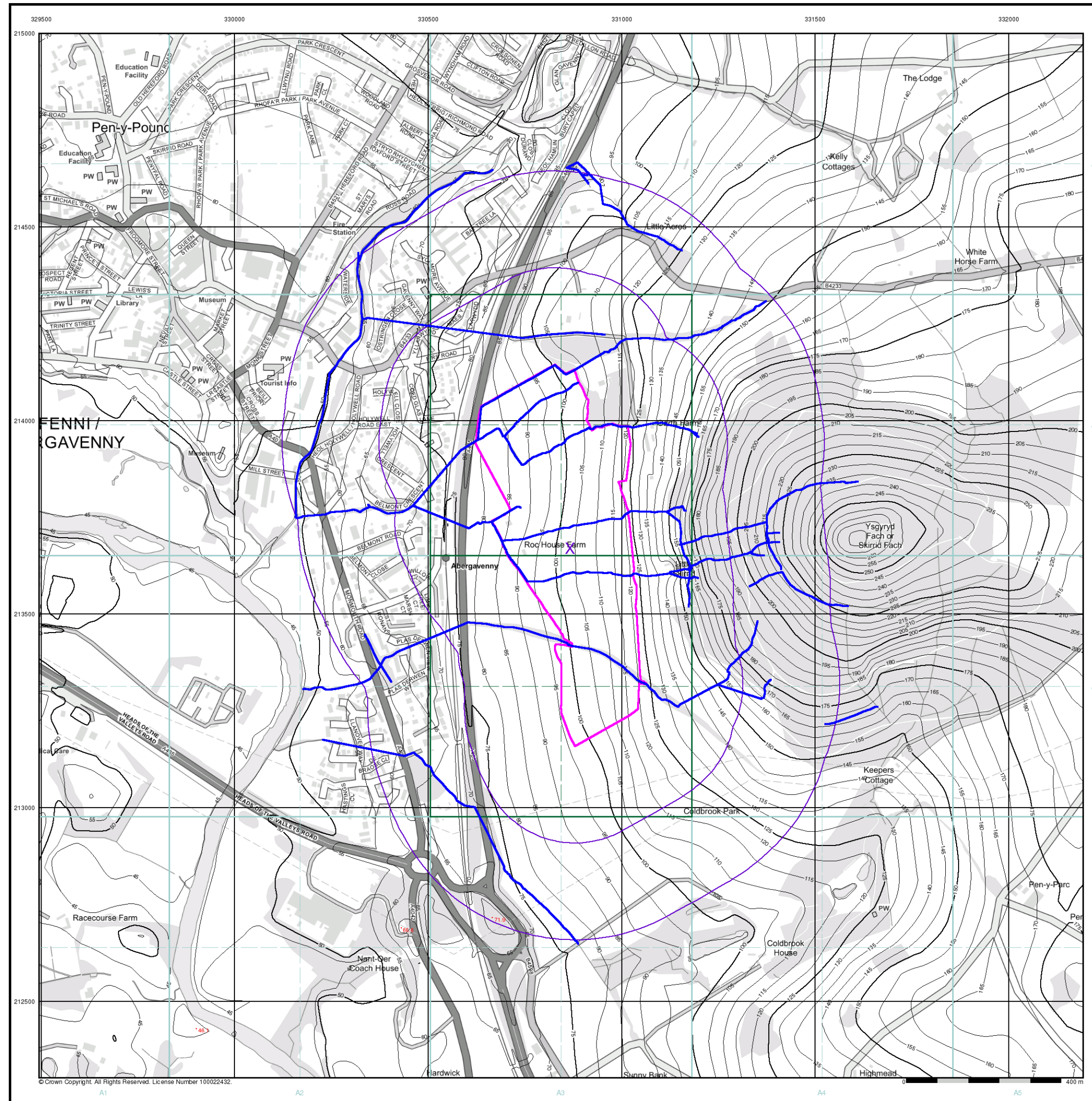
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 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

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**General**

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

**Risk of Flooding from Surface Water**

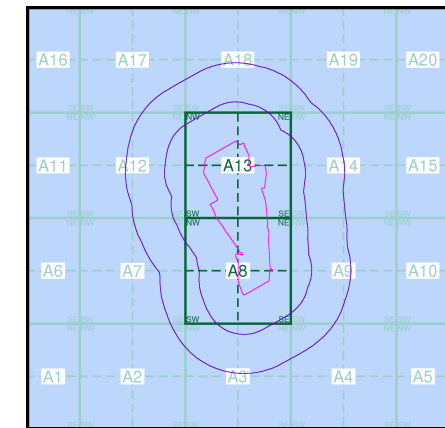
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

**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 A**

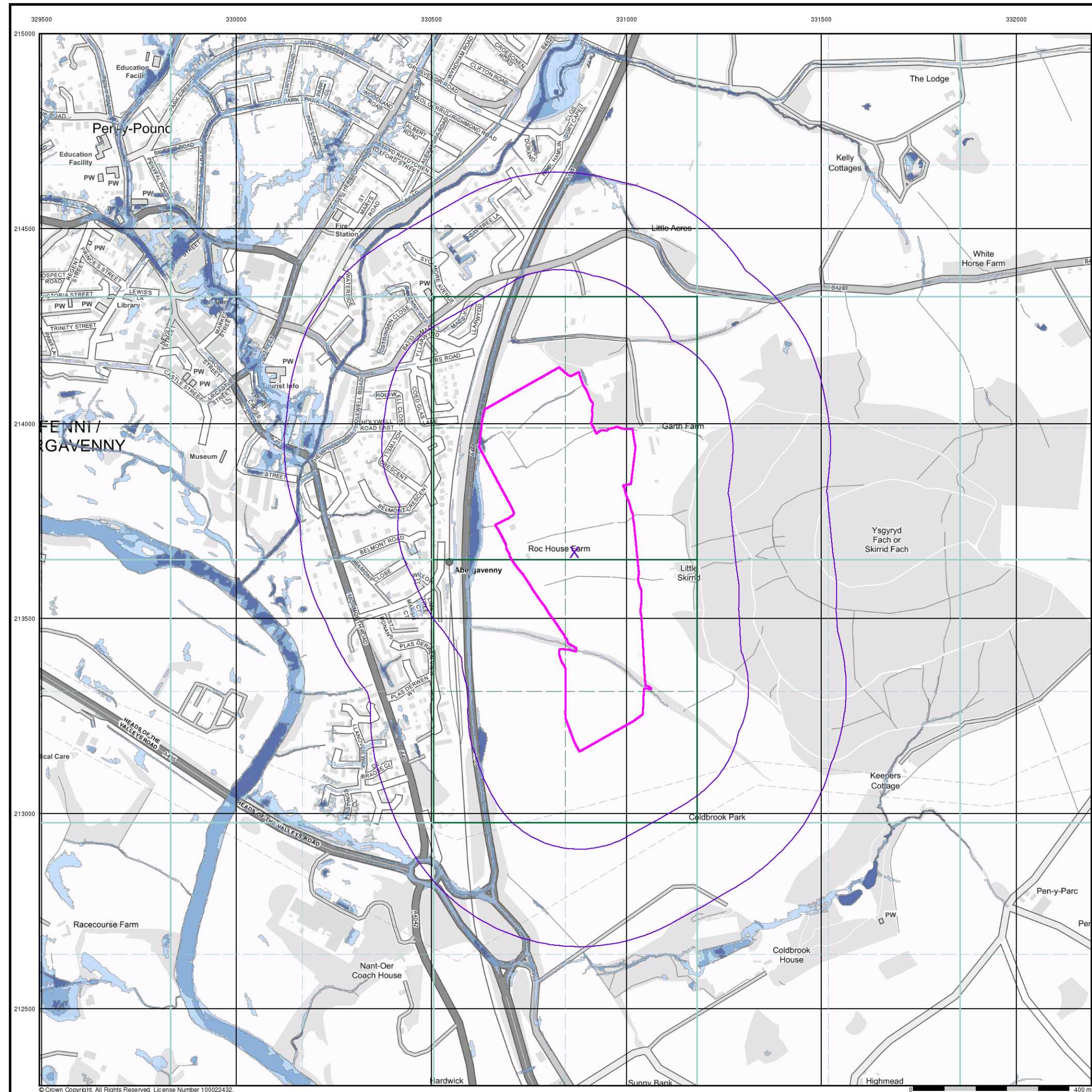


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

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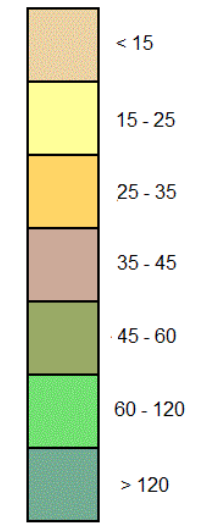
# Intégral Géotechnique

## General

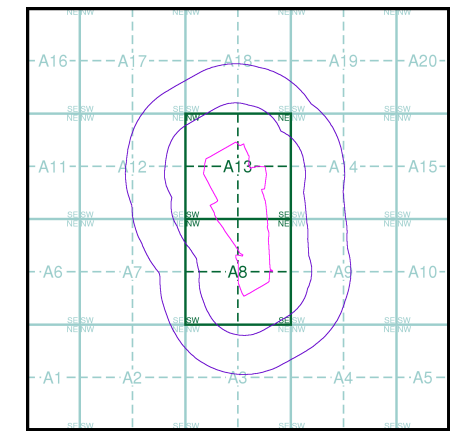
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

## Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



## Estimated Soil Chemistry Arsenic - Slice A



## Order Details

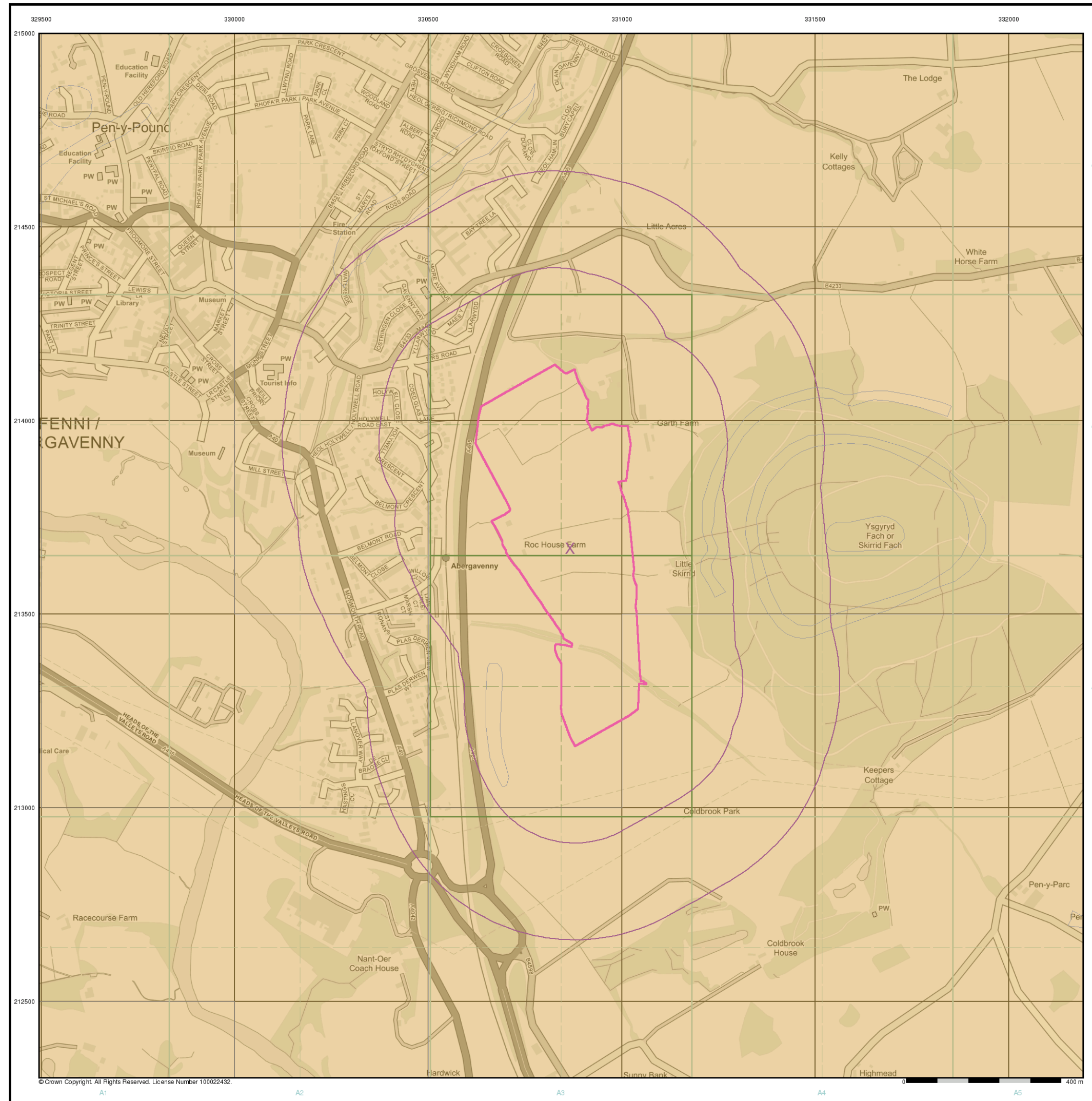
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 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
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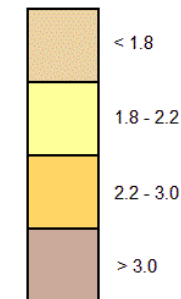
# Intégral Géotechnique

## General

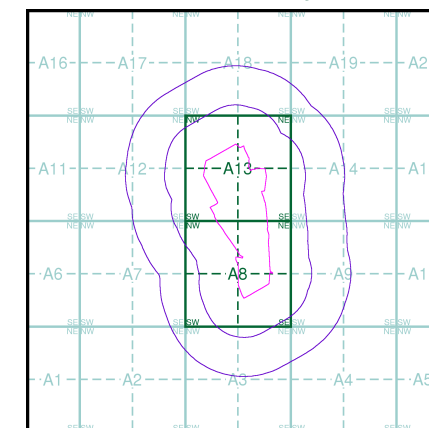
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

## Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



## Estimated Soil Chemistry Cadmium - Slice A



## Order Details

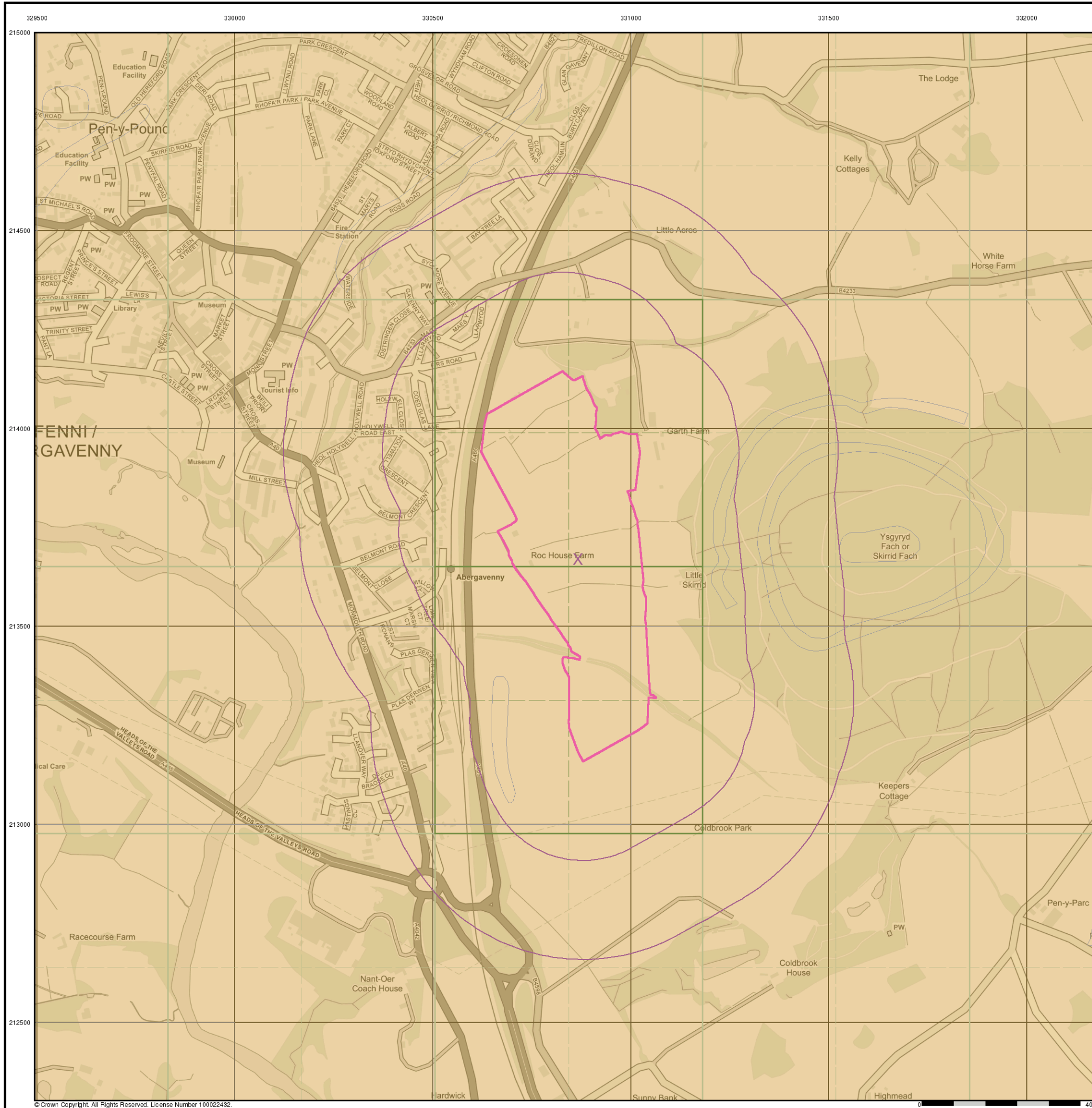
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 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

## Site Details

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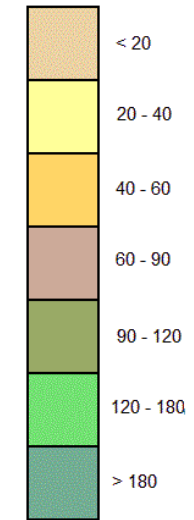


## General

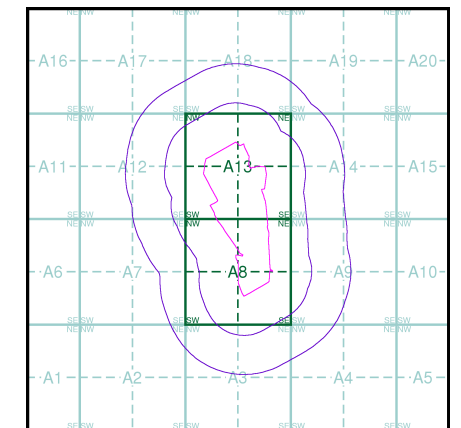
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

## Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



## Estimated Soil Chemistry Chromium - Slice A

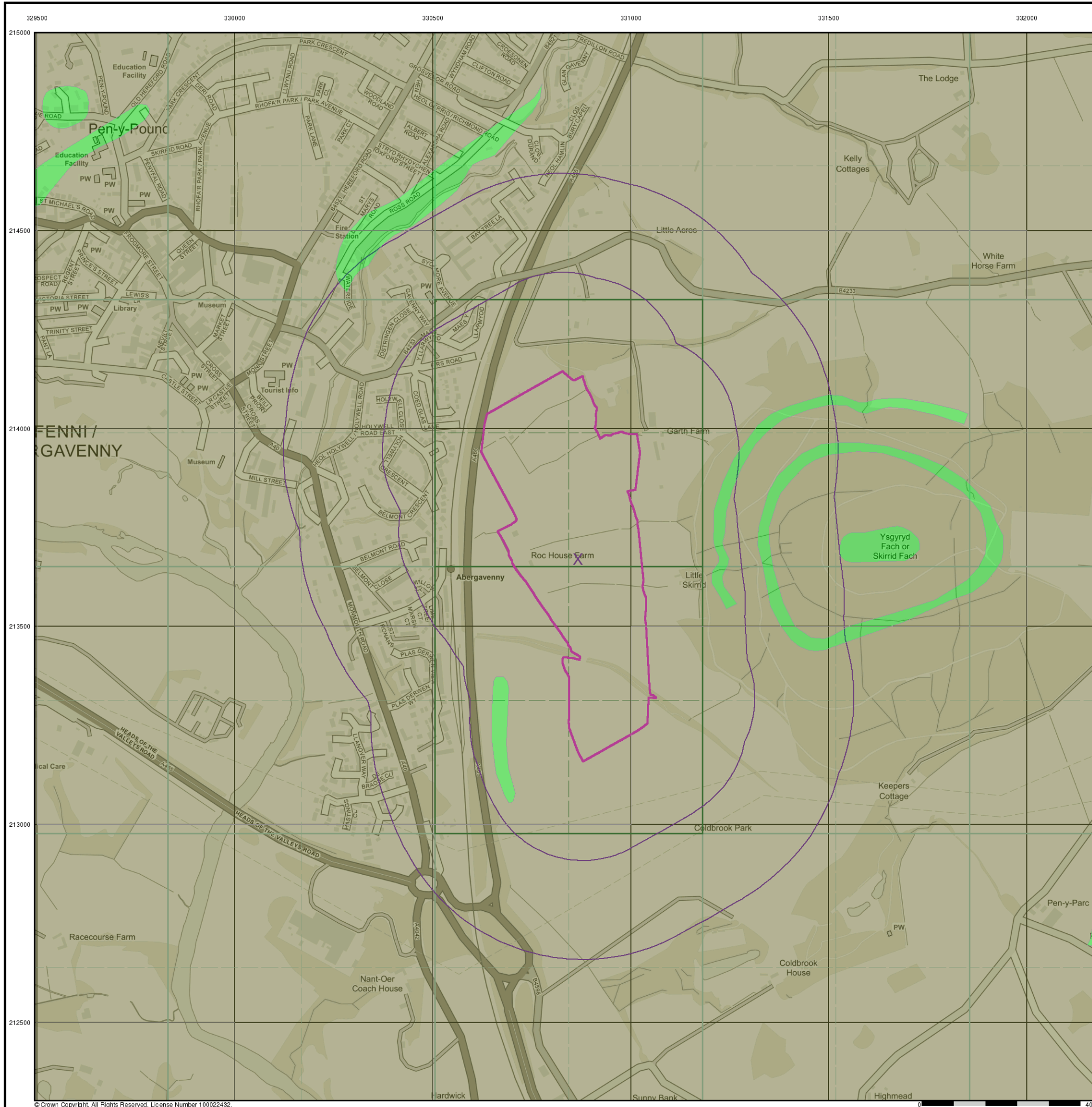


## Order Details

Order Details: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

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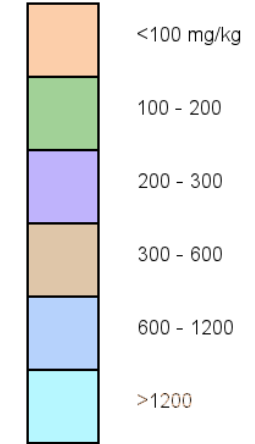
# Intégral Géotechnique

## General

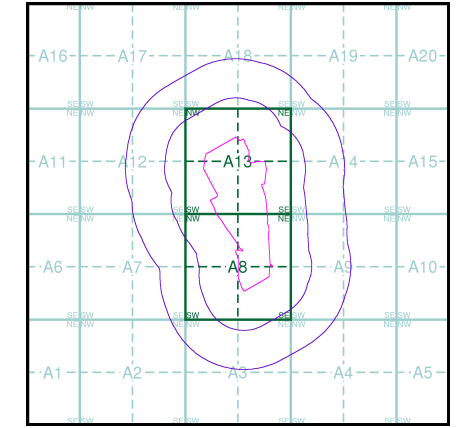
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

## Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



## Estimated Soil Chemistry Lead - Slice A



## Order Details

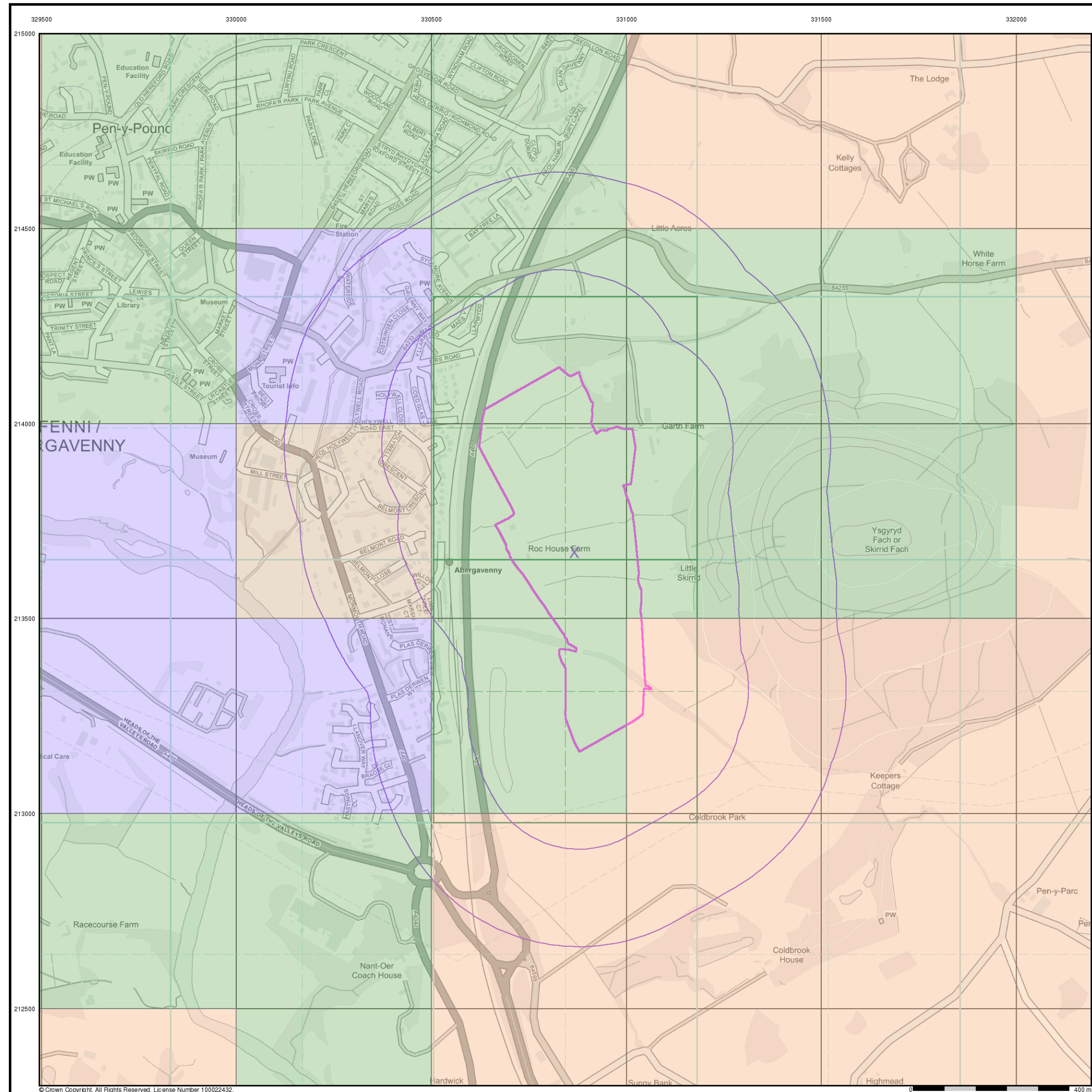
Order Details: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

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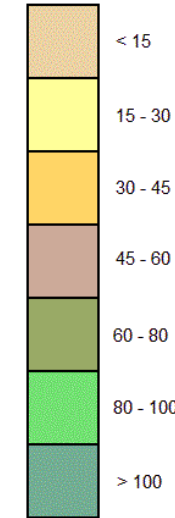


## General

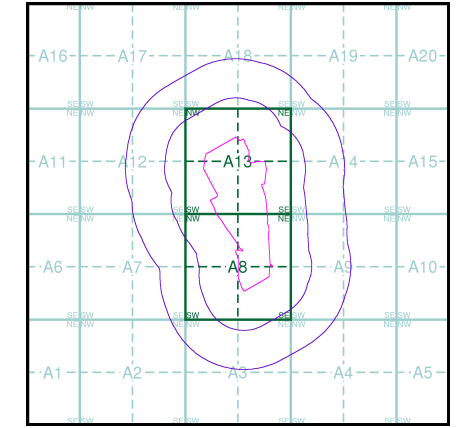
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

## Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



## Estimated Soil Chemistry Nickel - Slice A

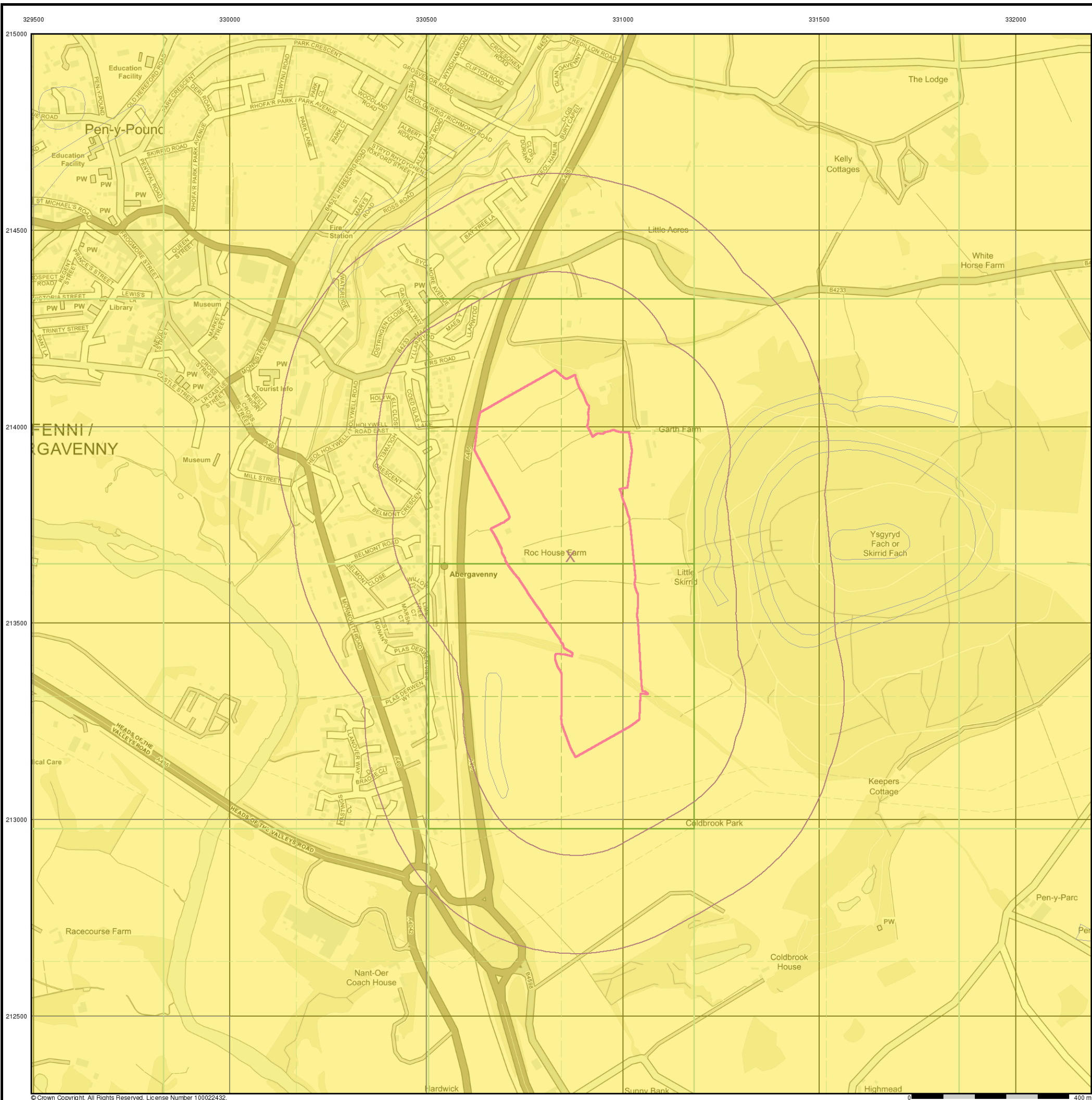


## Order Details

Order Details: 282534669\_1\_1  
 Customer Ref: 12898/LP  
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 Site Area (Ha): 24.92  
 Search Buffer (m): 500

## Site Details

Land East of A465, Abergavenny, NP7 5LG



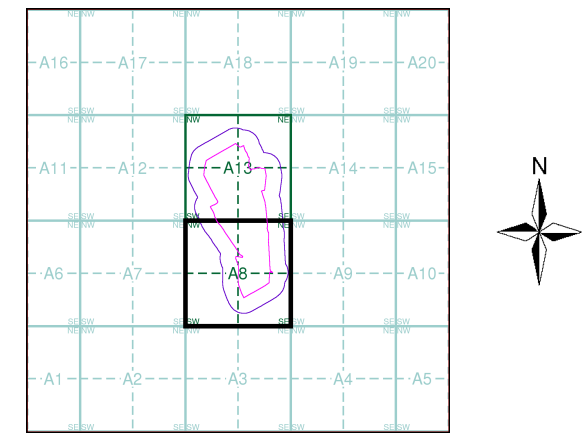
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# Intégral Géotechnique

- 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 A8



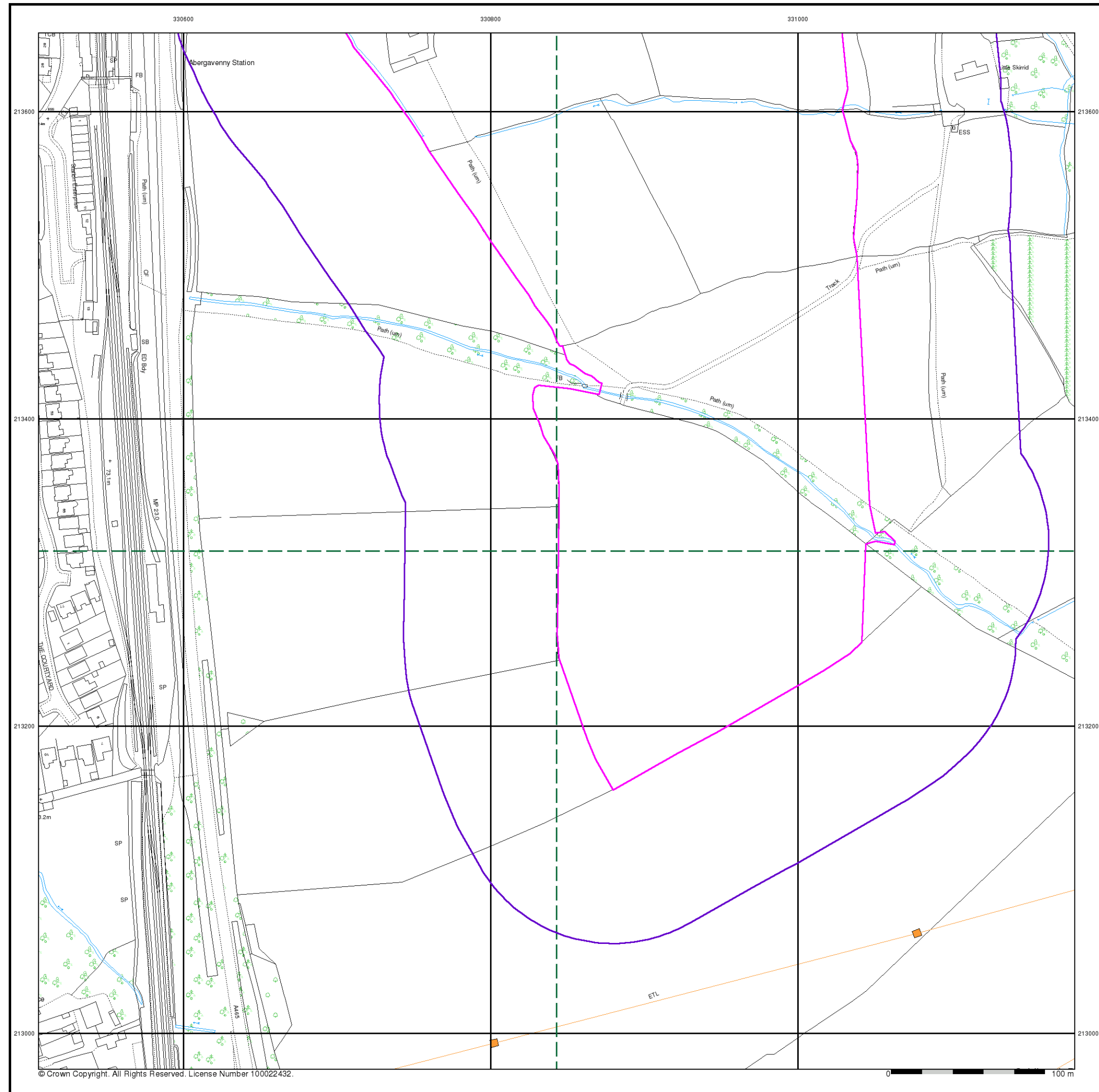
**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Plot Buffer (m): 100

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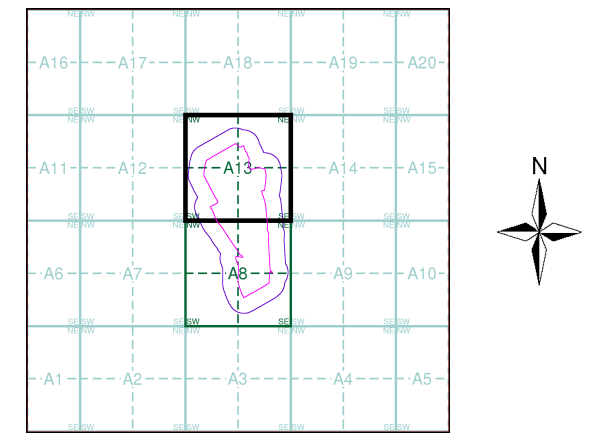


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- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
- Agency and Hydrological**
- Several of Type at Location
  - Pylon
  - Overhead Transmission Line
  - Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Local Authority Recorded Landfill Site
  - 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 (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Registered Landfill Site
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

### Site Sensitivity Map - Segment A13





**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Plot Buffer (m): 100






**Site Details**  
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# Geology 1:50,000 Maps Legends







## Artificial Ground and Landslip

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

## Superficial Geology

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

## Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SB	Senni Formation	Sandstone and [Subequal/subordinate] Argillaceous Rocks, Interbedded	Not Supplied - Pragian
	BRS	Brownstones Formation	Sandstone and [Subequal/subordinate] Argillaceous Rocks, Interbedded	Not Supplied - Lochkovian
	SMG	St Maughans Formation	Sandstone	Not Supplied - Early Devonian
	SMG	St Maughans Formation	Argillaceous Rocks and [Subequal/Subordinate] Sandstone, Interbedded	Not Supplied - Early Devonian
	SMG	St Maughans Formation	Conglomerate	Not Supplied - Early Devonian
		Faults		

# Intégral Géotechnique

## Geology 1:50,000 Maps

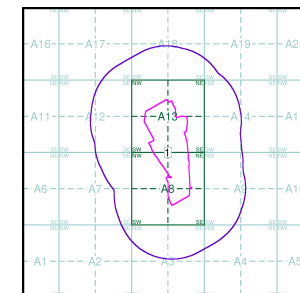
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	232
Map Name:	Abergavenny
Map Date:	1990
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

## Geology 1:50,000 Maps - Slice A



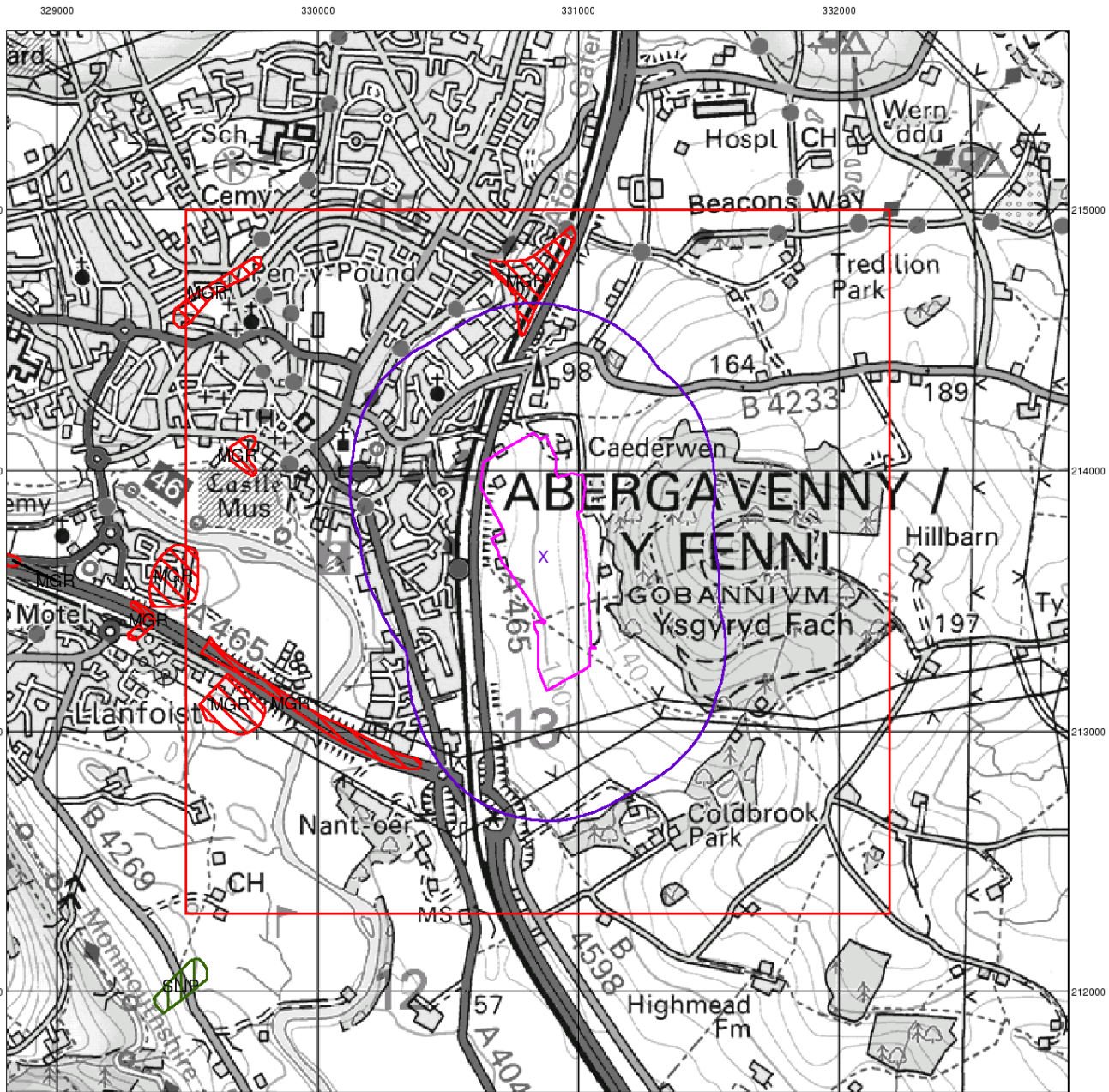
## Order Details:

Order Number:	282534669_1_1
Customer Reference:	12898/LP
National Grid Reference:	330870, 213670
Slice:	A
Site Area (Ha):	24.92
Search Buffer (m):	500

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# Intégral Géotechnique

## Artificial Ground and Landslip

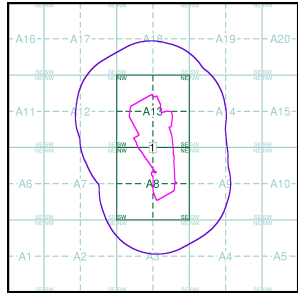
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

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

## Artificial Ground and Landslip Map - Slice A



### Order Details:

Order Number: 282534669\_1\_1  
 Customer Reference: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

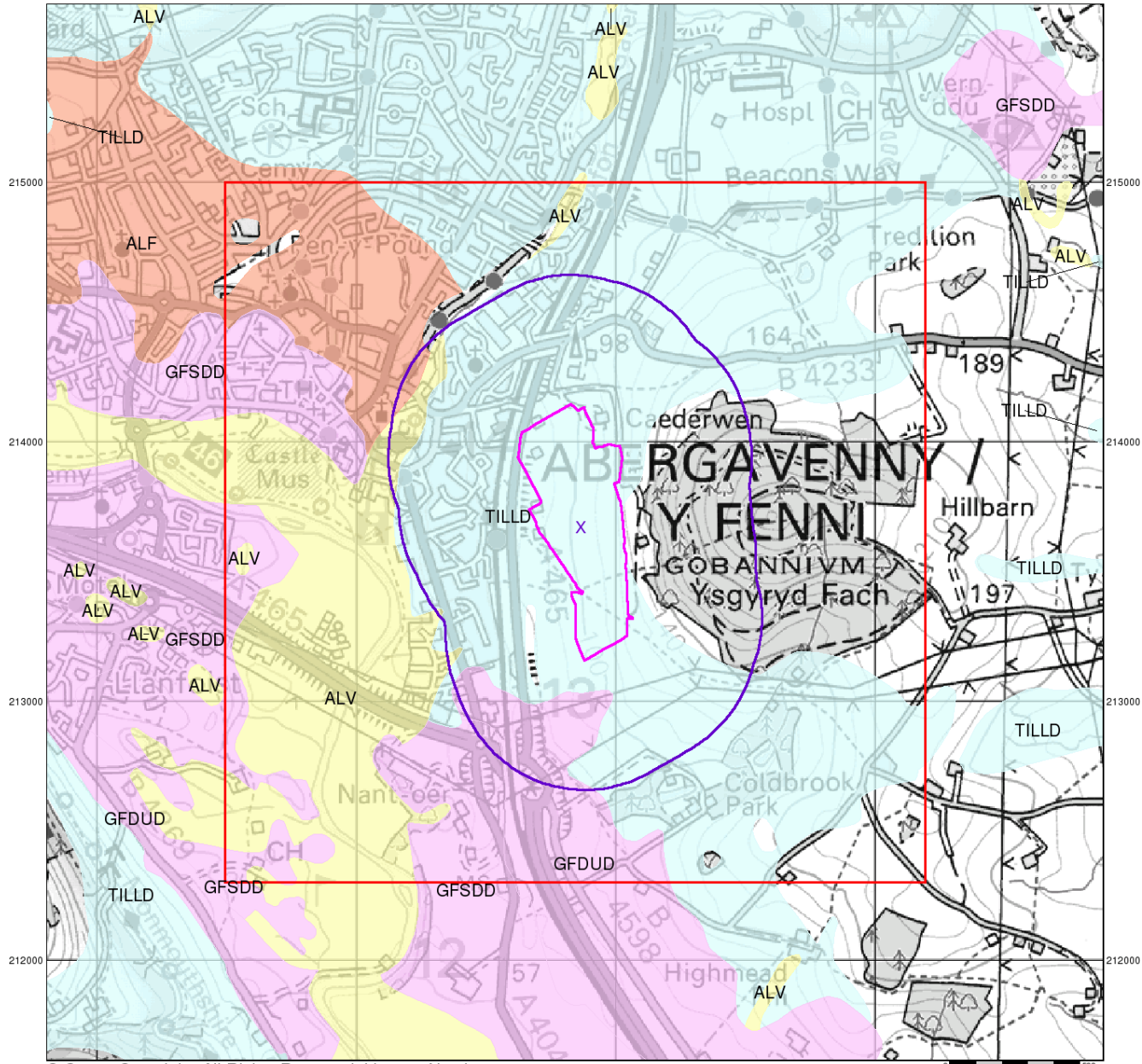
### Site Details:

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# Intégral Géotechnique

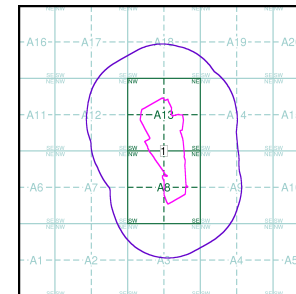
## Superficial Geology

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

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

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

## Superficial Geology Map - Slice A



### Order Details:

Order Number: 282534669\_1\_1  
 Customer Reference: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

### Site Details:

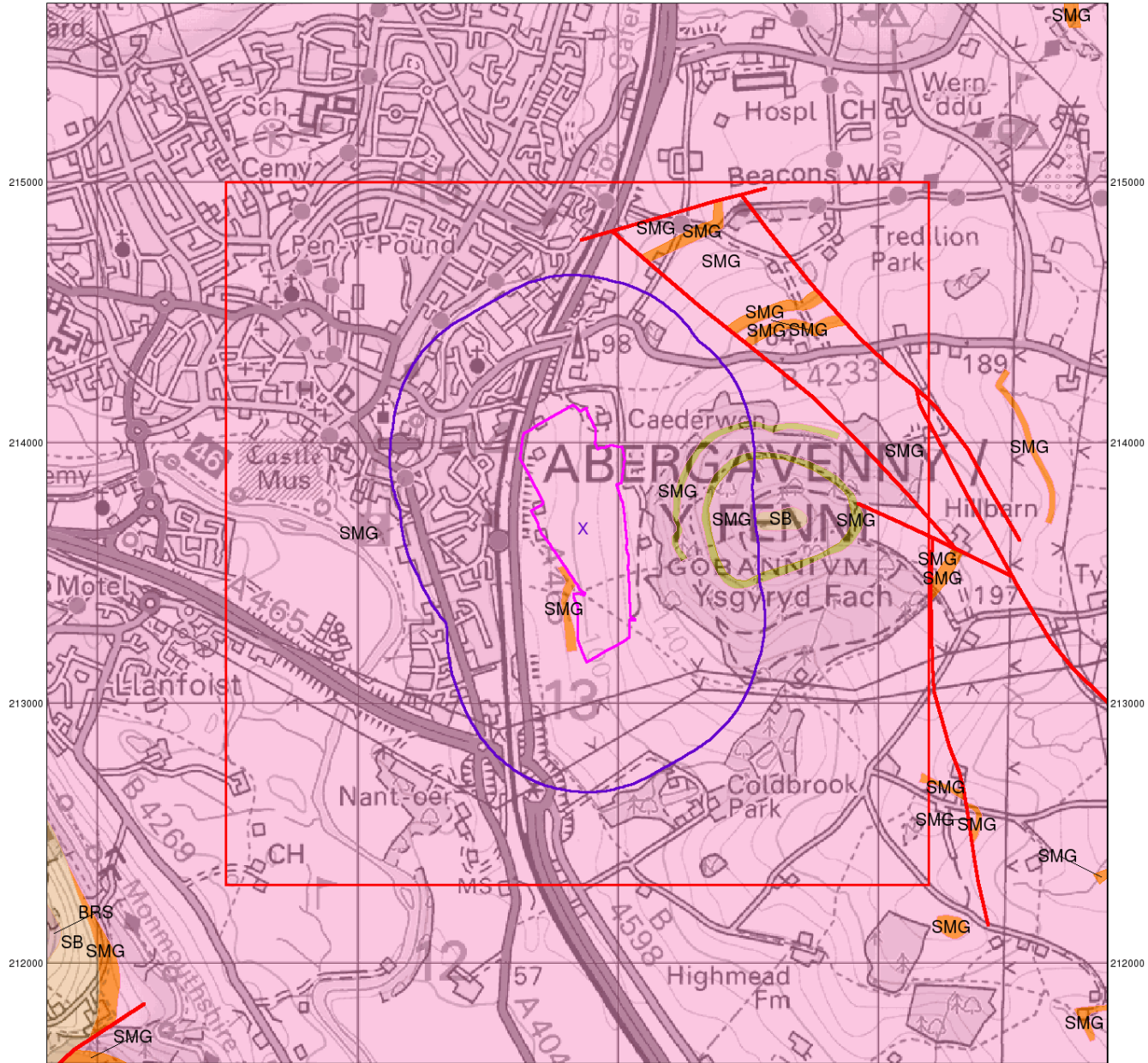
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# Intégral Géotechnique

## Bedrock and Faults

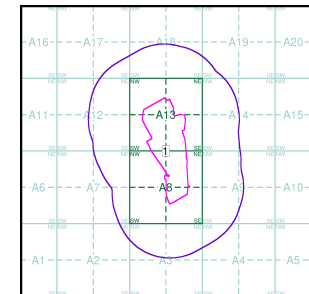
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

## Bedrock and Faults Map - Slice A



### Order Details:

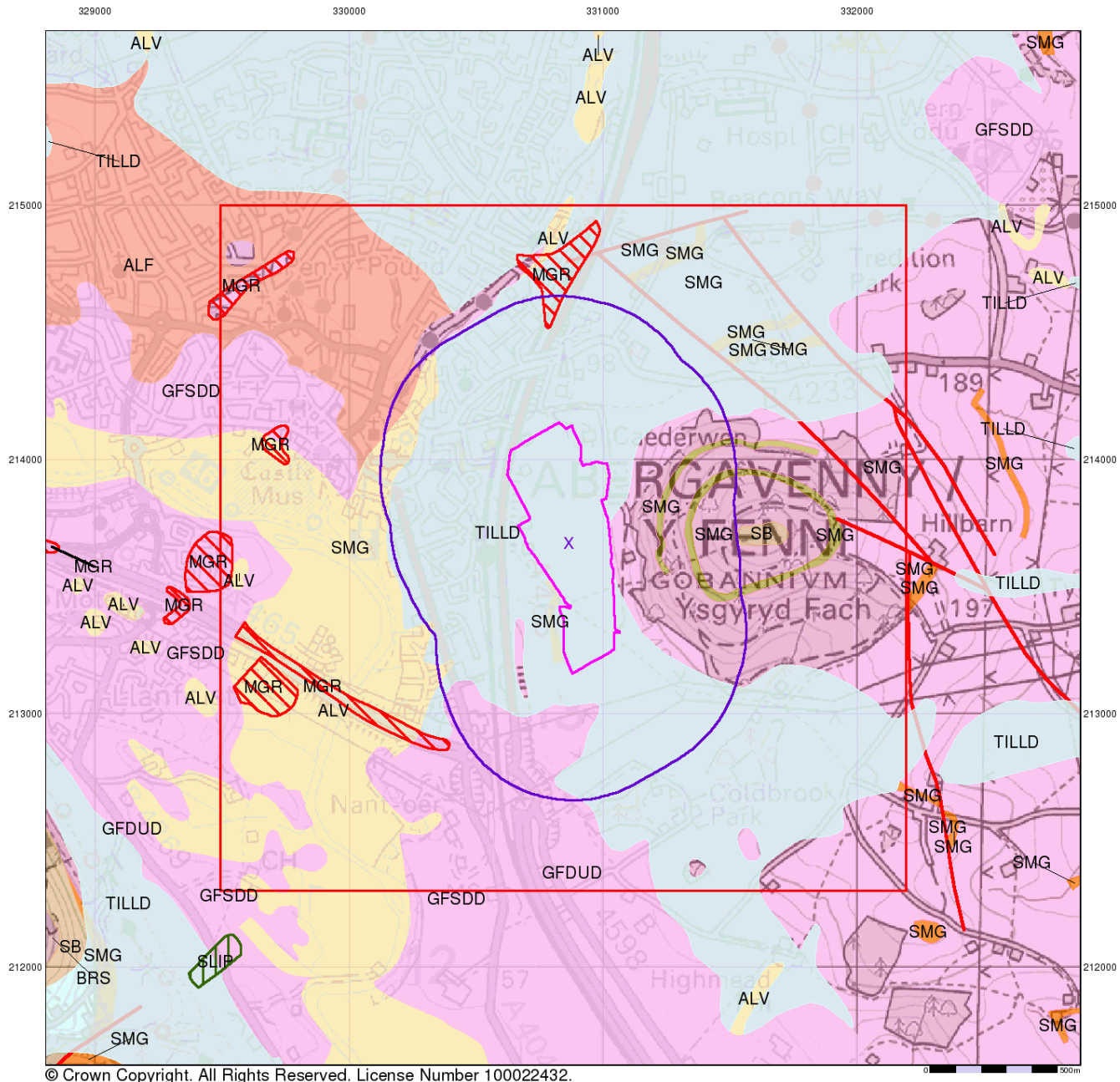
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 Customer Reference: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

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# Intégral Géotechnique

## Combined Surface Geology

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

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

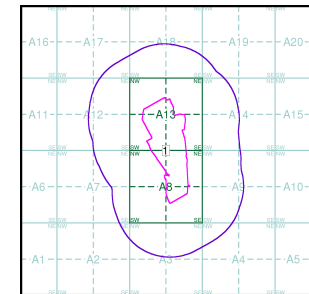
## Additional Information

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

## Contact

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

## Combined Geology Map - Slice A



## Order Details:

Order Number: 282534669\_1\_1  
Customer Reference: 12898/LP  
National Grid Reference: 330870, 213670  
Slice: A  
Site Area (Ha): 24.92  
Search Buffer (m): 500

## Site Details:

Land East of A465, Abergavenny, NP7 5LG

**Landmark**  
INFORMATION GROUP

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



# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- 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
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

## 1:10,000 Raster Mapping

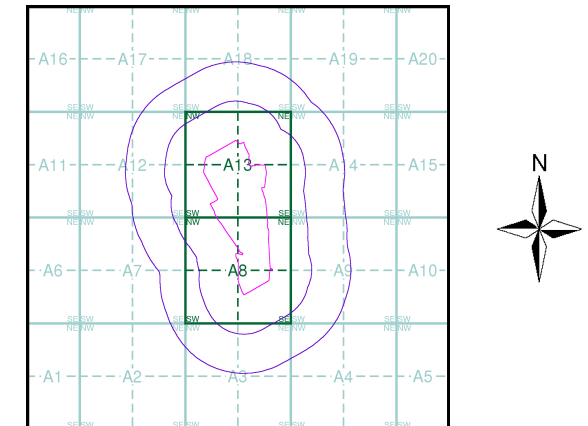
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary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

# Intégral Géotechnique

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Monmouthshire	1:10,560	1886	2
Monmouthshire	1:10,560	1902	3
Brecknockshire	1:10,560	1922	4
Monmouthshire	1:10,560	1922	5
Brecknockshire	1:10,560	1938	6
Monmouthshire	1:10,560	1953	7
Brecknockshire	1:10,560	1953	8
Ordnance Survey Plan	1:10,000	1964	9
Ordnance Survey Plan	1:10,000	1969	10
Ordnance Survey Plan	1:10,000	1971 - 1977	11
Ordnance Survey Plan	1:10,000	1984 - 1989	12
10K Raster Mapping	1:10,000	1999 - 2000	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2021	15

## Historical Map - Slice A



## Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

## Site Details

Land East of A465, Abergavenny, NP7 5LG

**Landmark**  
 INFORMATION GROUP

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



# Intégral Géotechnique

Monmouthshire

Published 1886

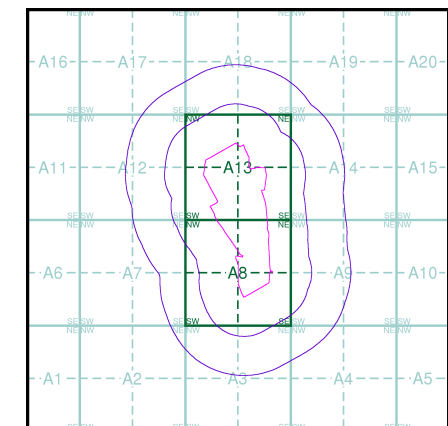
Source map scale - 1:10,560

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)

00600	1886	1:10,560
01200	1886	1:10,560

## Historical Map - Slice A



## Order Details

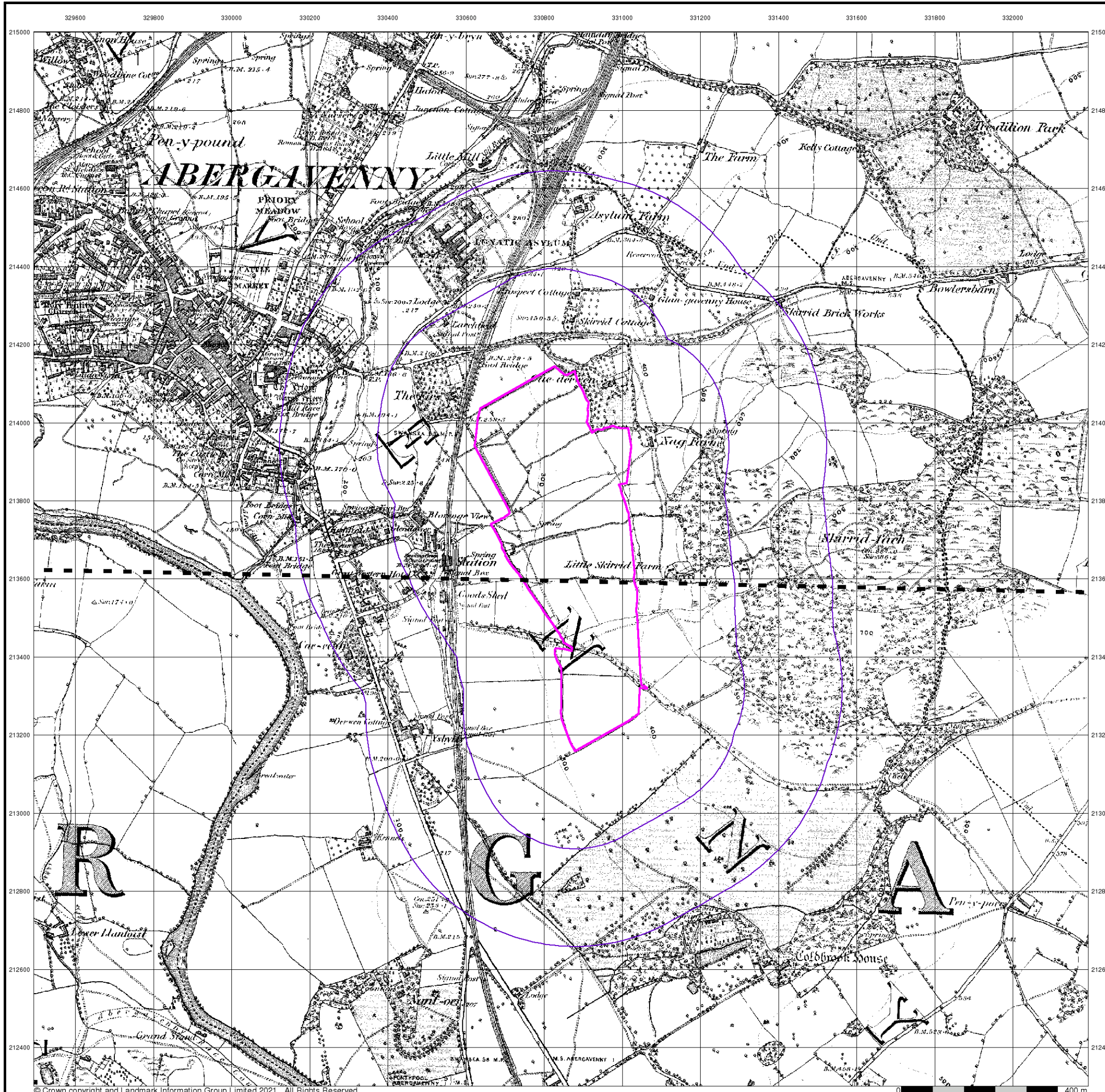
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 Customer Ref: 12898/LP  
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# Intégral Géotechnique

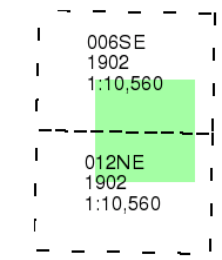
Monmouthshire

Published 1902

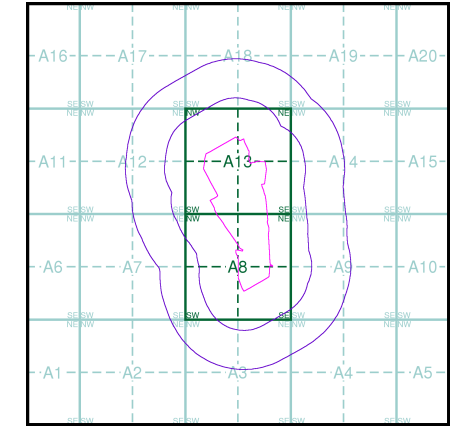
Source map scale - 1:10,560

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

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



## Historical Map - Slice A



## Order Details

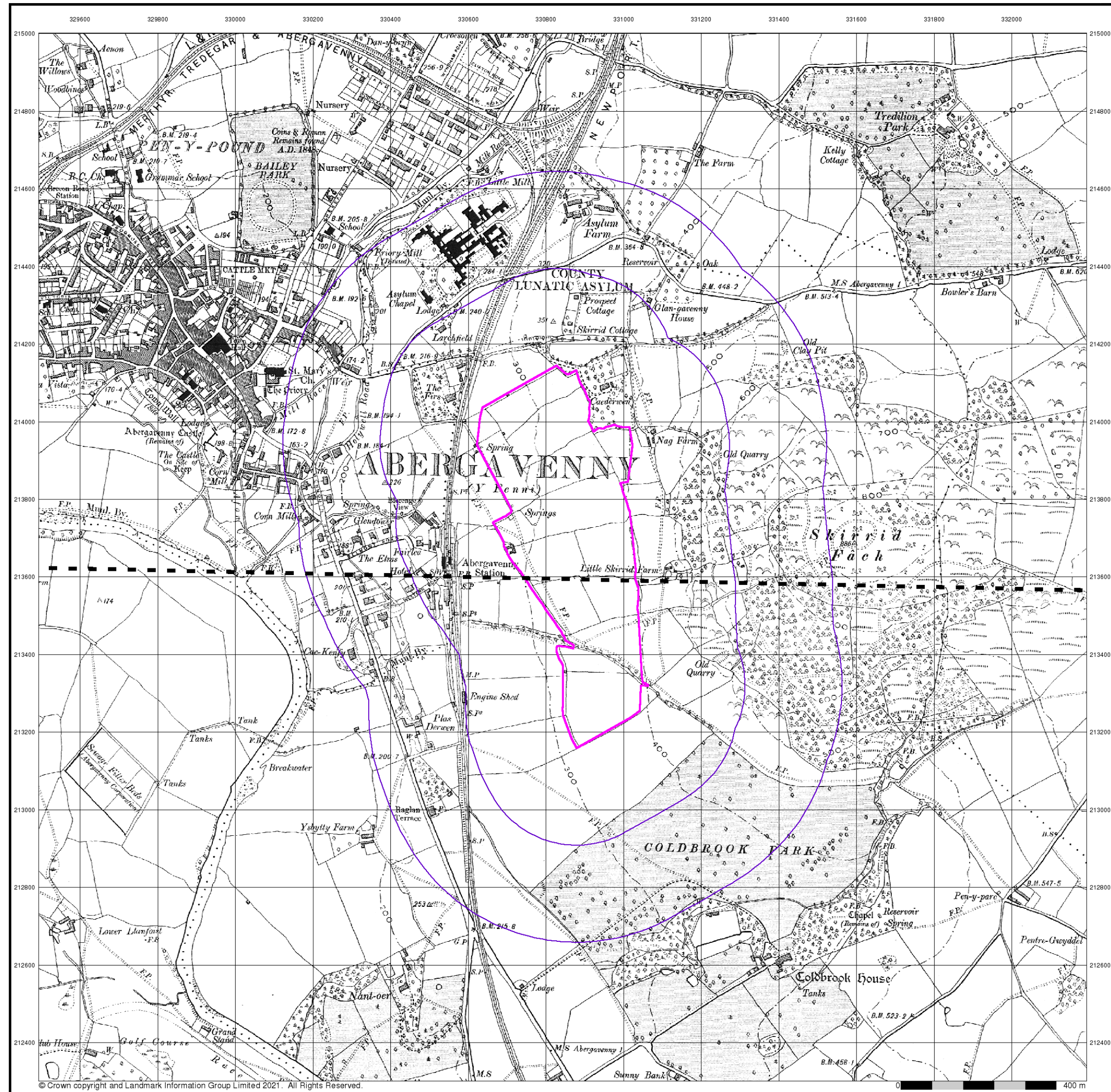
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 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
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## Site Details

Land East of A465, Abergavenny, NP7 5LG



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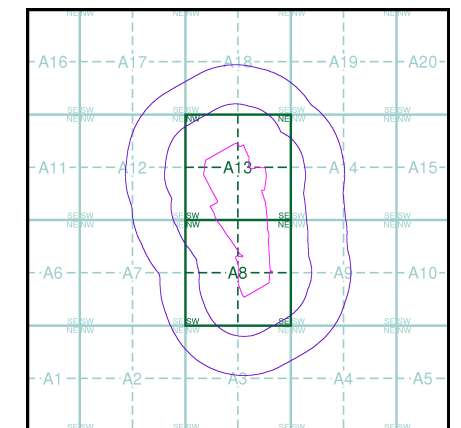


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**Map Name(s) and Date(s)**

04200
1922
1:10,560

**Historical Map - Slice A**

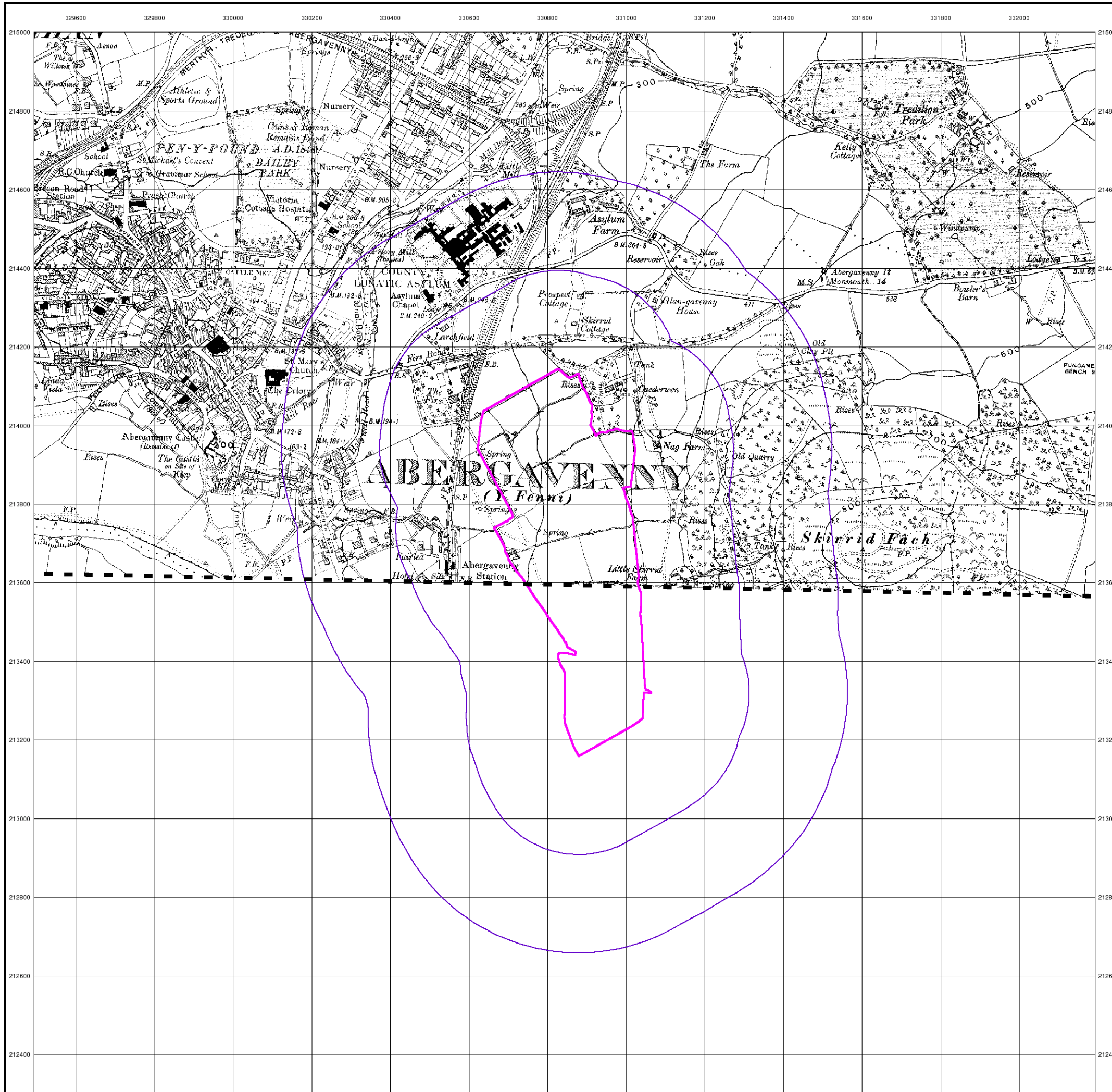


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

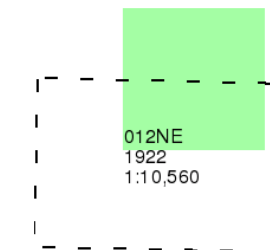
**Site Details**

Land East of A465, Abergavenny, NP7 5LG

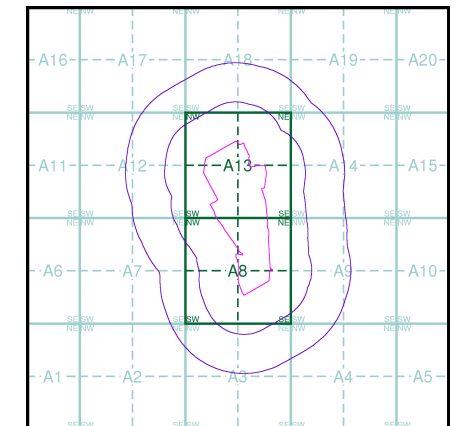


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**

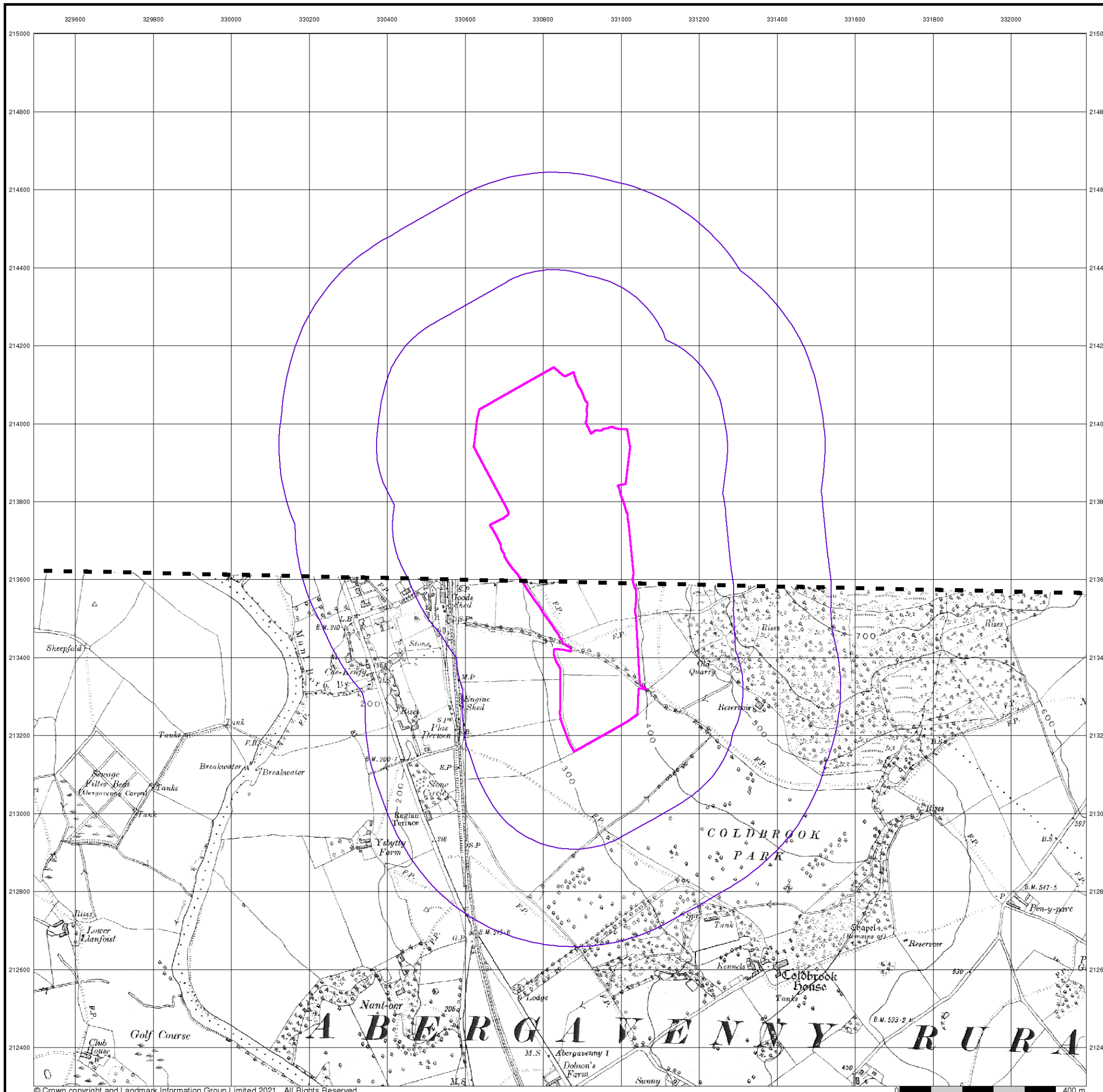


**Order Details**

Order Number: 282534669\_1\_1  
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 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

**Site Details**

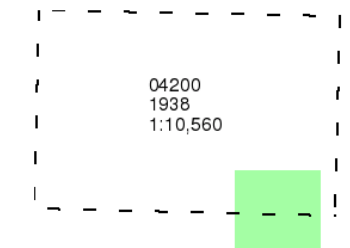
Land East of A465, Abergavenny, NP7 5LG



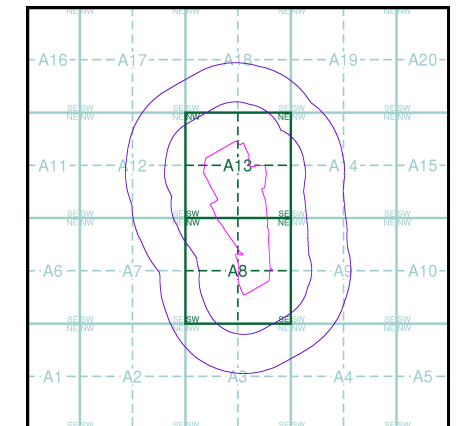


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**

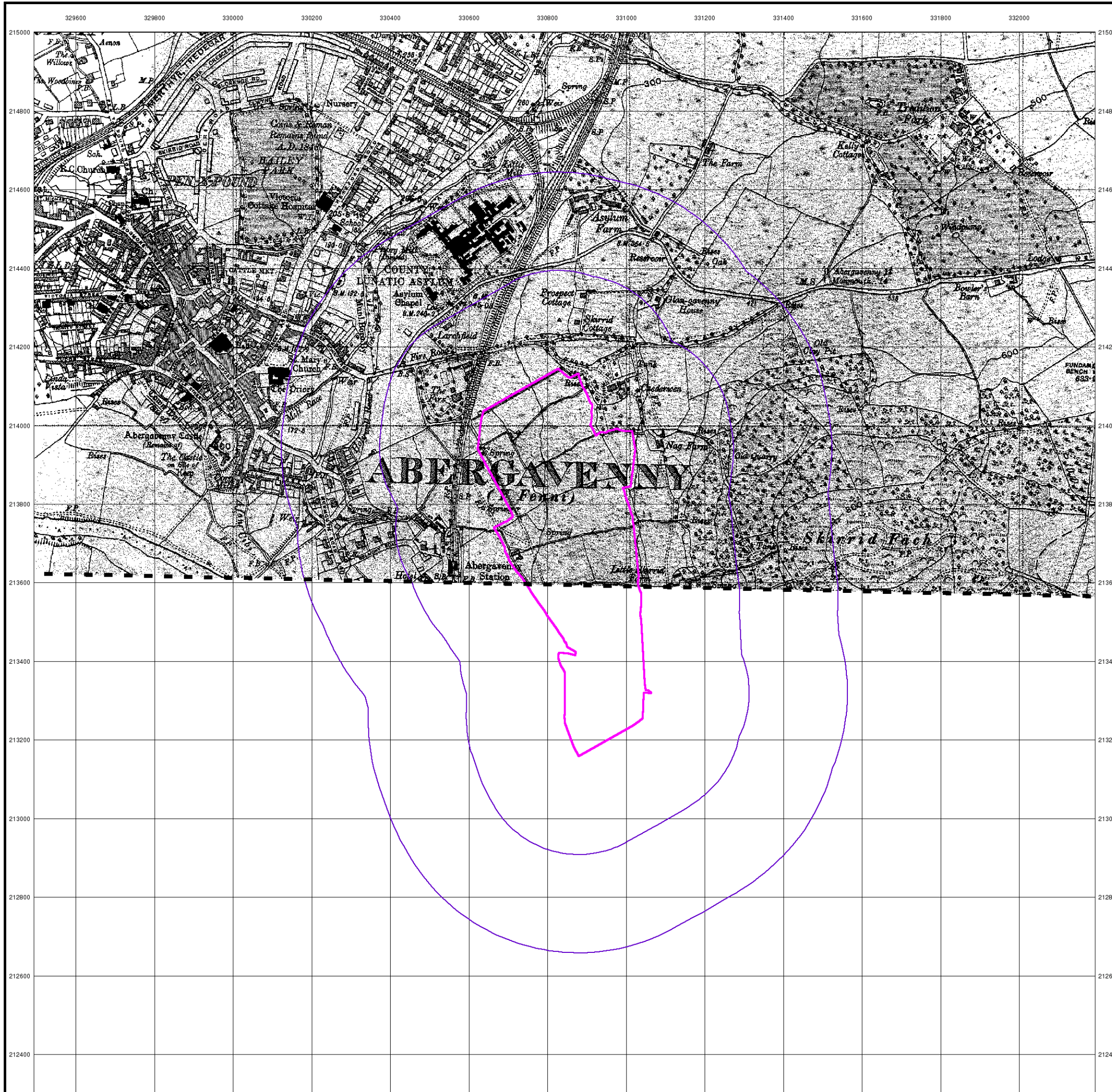


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

**Site Details**

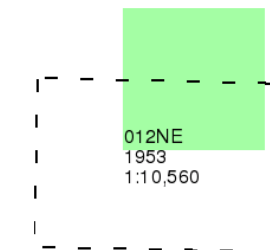
Land East of A465, Abergavenny, NP7 5LG



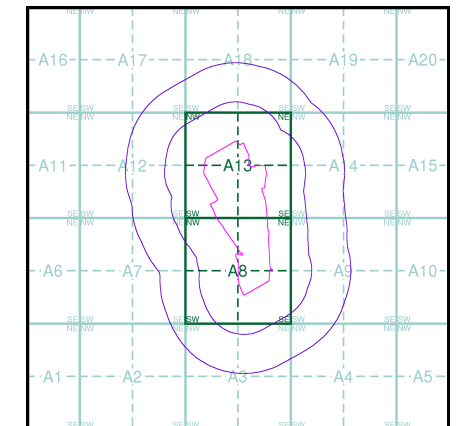


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**

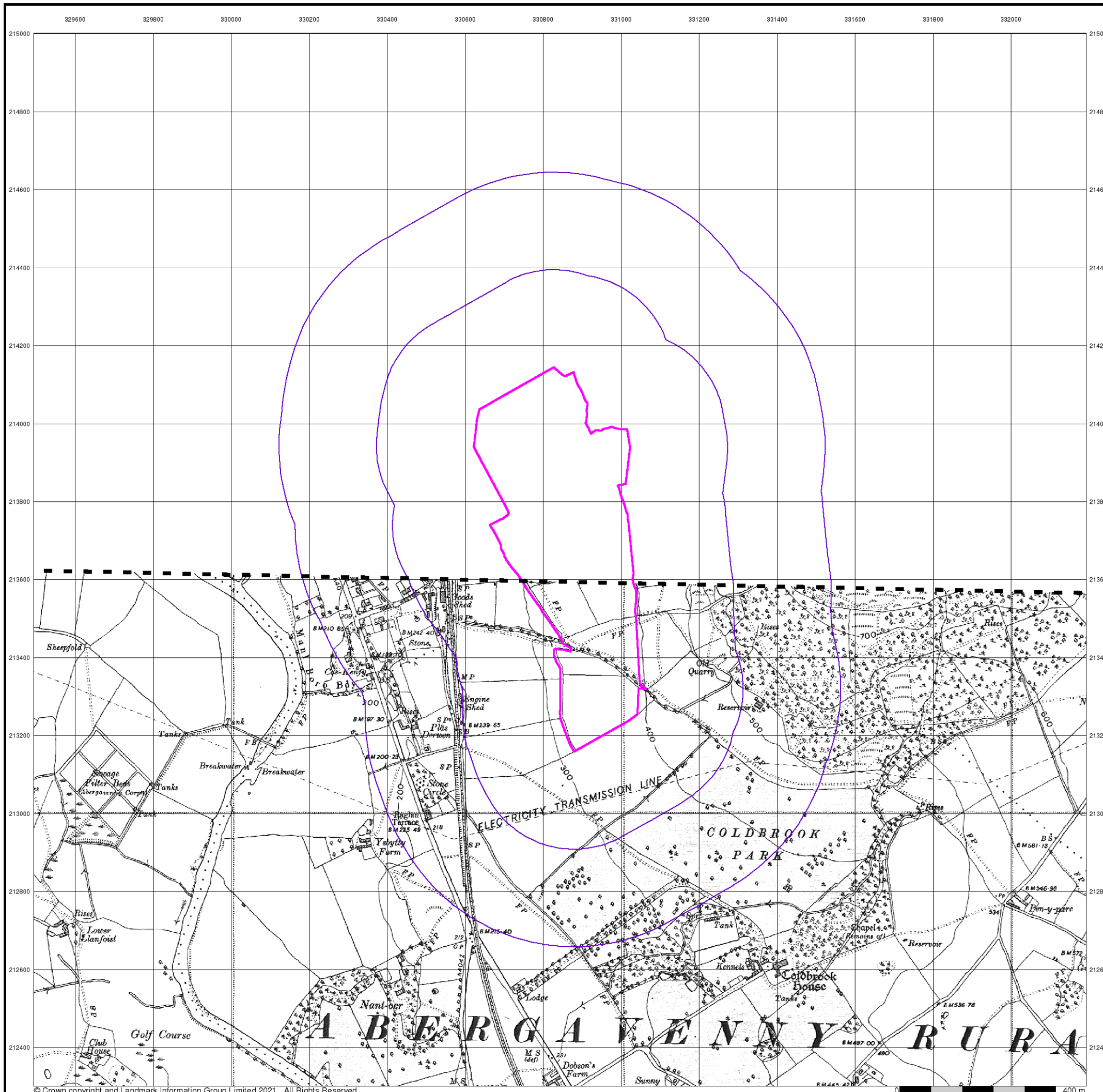


**Order Details**

Order Number: 282534669\_1\_1  
Customer Ref: 12898/LP  
National Grid Reference: 330870, 213670  
Slice: A  
Site Area (Ha): 24.92  
Search Buffer (m): 500

**Site Details**

Land East of A465, Abergavenny, NP7 5LG







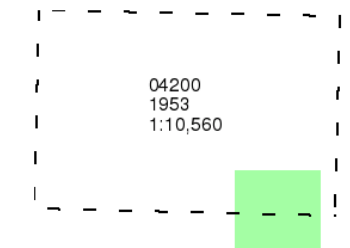
**Brecknockshire**

**Published 1953**

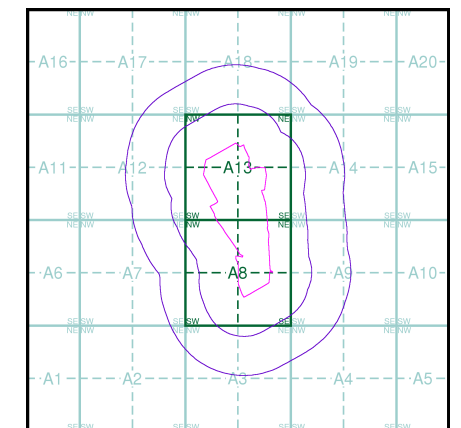
**Source map scale - 1:10,560**

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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**



**Order Details**

Order Number: 282534669\_1\_1  
Customer Ref: 12898/LP  
National Grid Reference: 330870, 213670  
Slice: A  
Site Area (Ha): 24.92  
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**Site Details**

Land East of A465, Abergavenny, NP7 5LG



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







### Ordnance Survey Plan

Published 1964

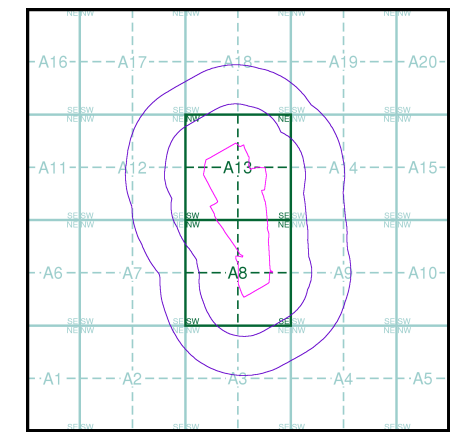
Source map scale - 1:10,000

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)

SO21NE 1964 1:10,560	SO31NW 1964 1:10,560
SO21SE 1964 1:10,560	SO31SW 1964 1:10,560

### Historical Map - Slice A



### Order Details

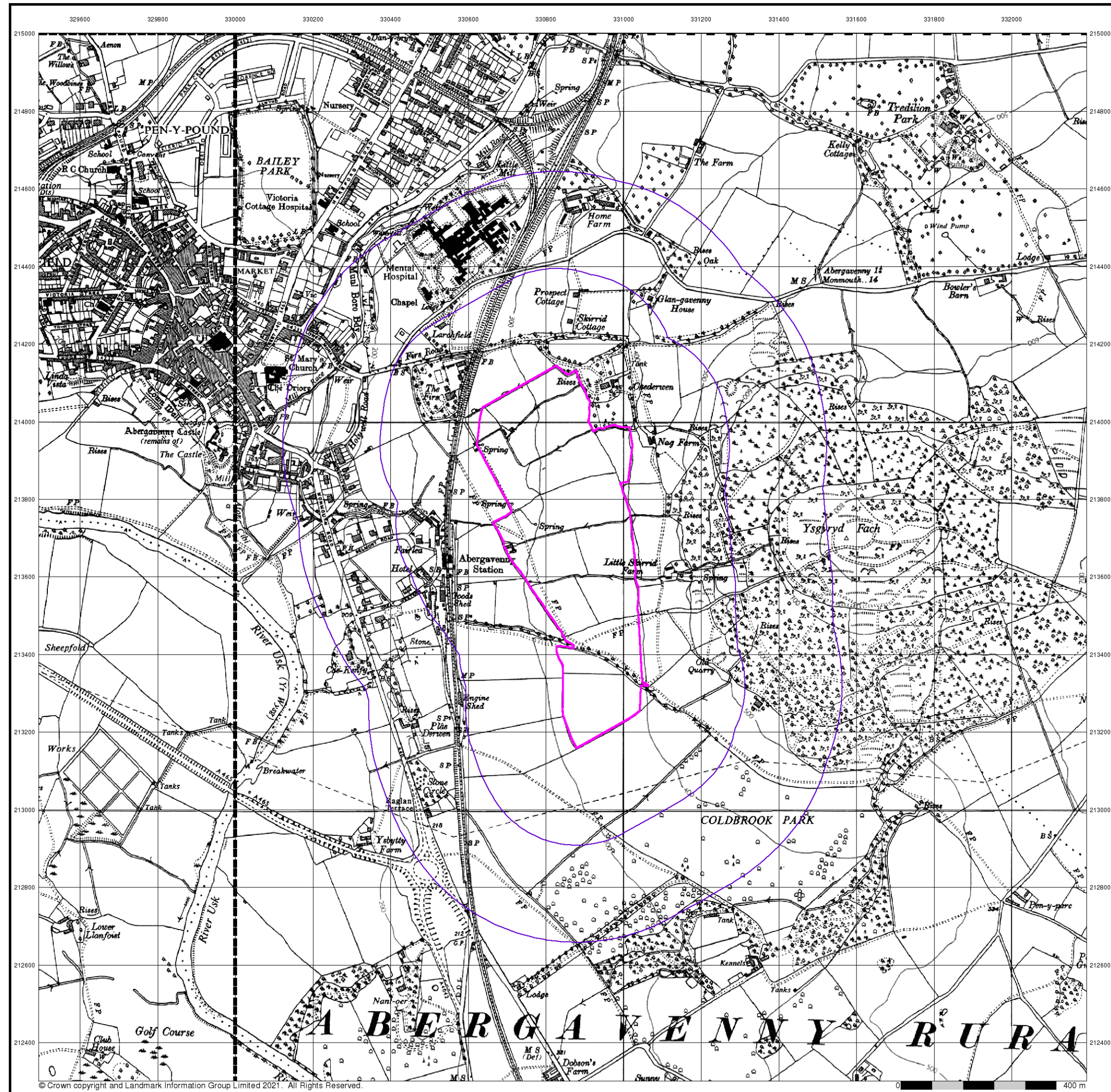
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 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
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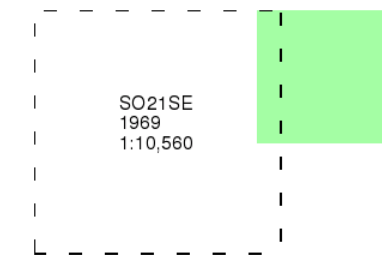
### Ordnance Survey Plan

Published 1969

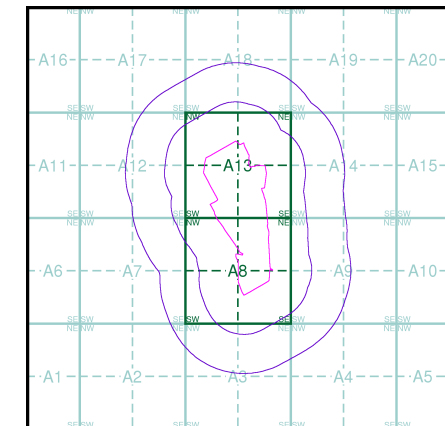
Source map scale - 1:10,000

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

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



### Historical Map - Slice A



### Order Details

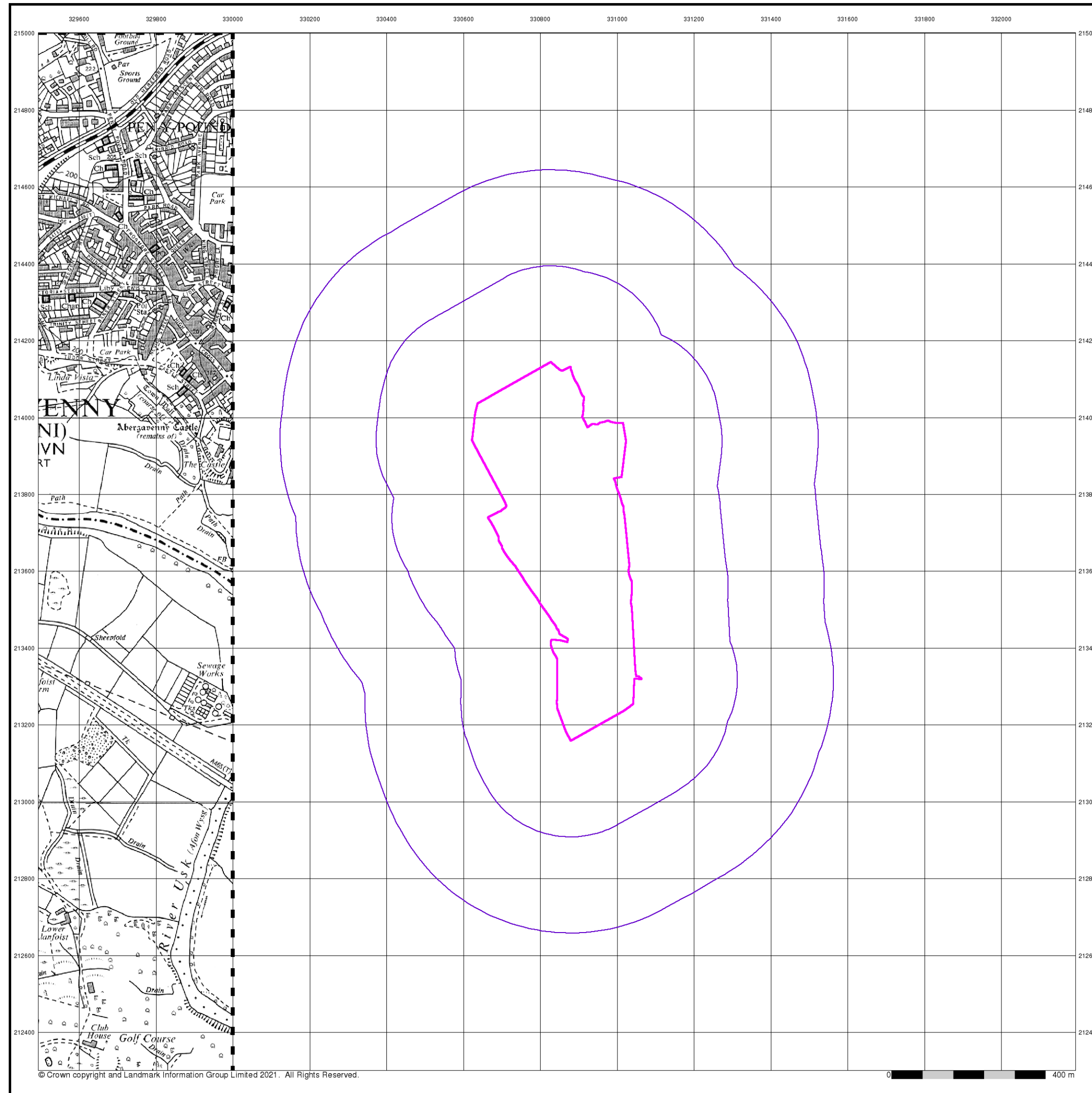
Order Number: 282534669\_1\_1  
Customer Ref: 12898/LP  
National Grid Reference: 330870, 213670  
Slice: A  
Site Area (Ha): 24.92  
Search Buffer (m): 500

### Site Details

Land East of A465, Abergavenny, NP7 5LG



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







### Ordnance Survey Plan

Published 1971 - 1977

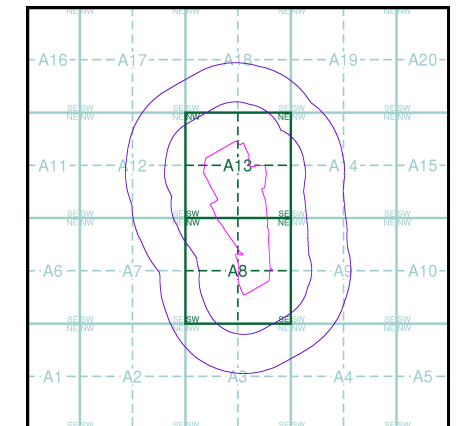
Source map scale - 1:10,000

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

SO21NE	SO31NW
1971	1977
1:10,560	1:10,000
SO31SW	
1977	
1:10,000	

### Historical Map - Slice A



### Order Details

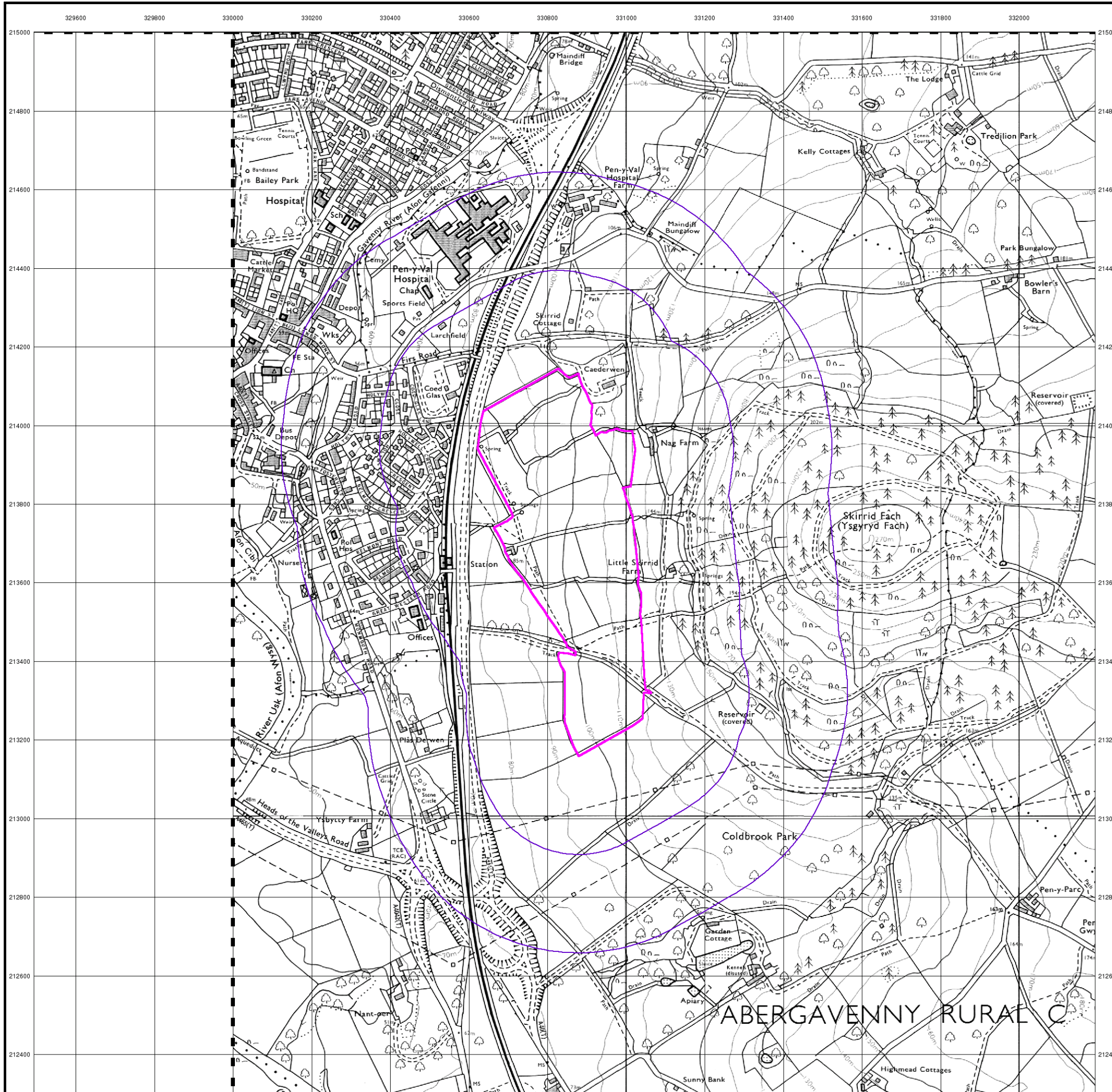
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
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 Slice: A  
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### Ordnance Survey Plan

Published 1984 - 1989

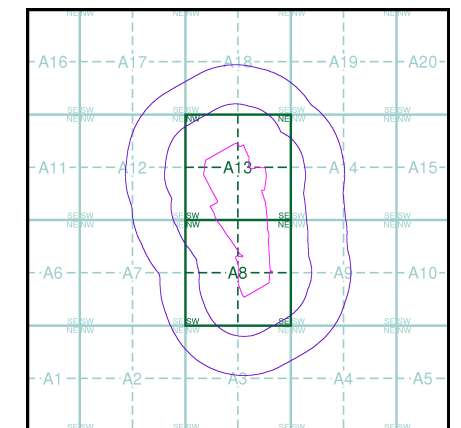
Source map scale - 1:10,000

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

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

SO21NE	1986	1:10,000
SO21SE	1989	1:10,000
SO31SW	1984	1:10,000

### Historical Map - Slice A



### Order Details

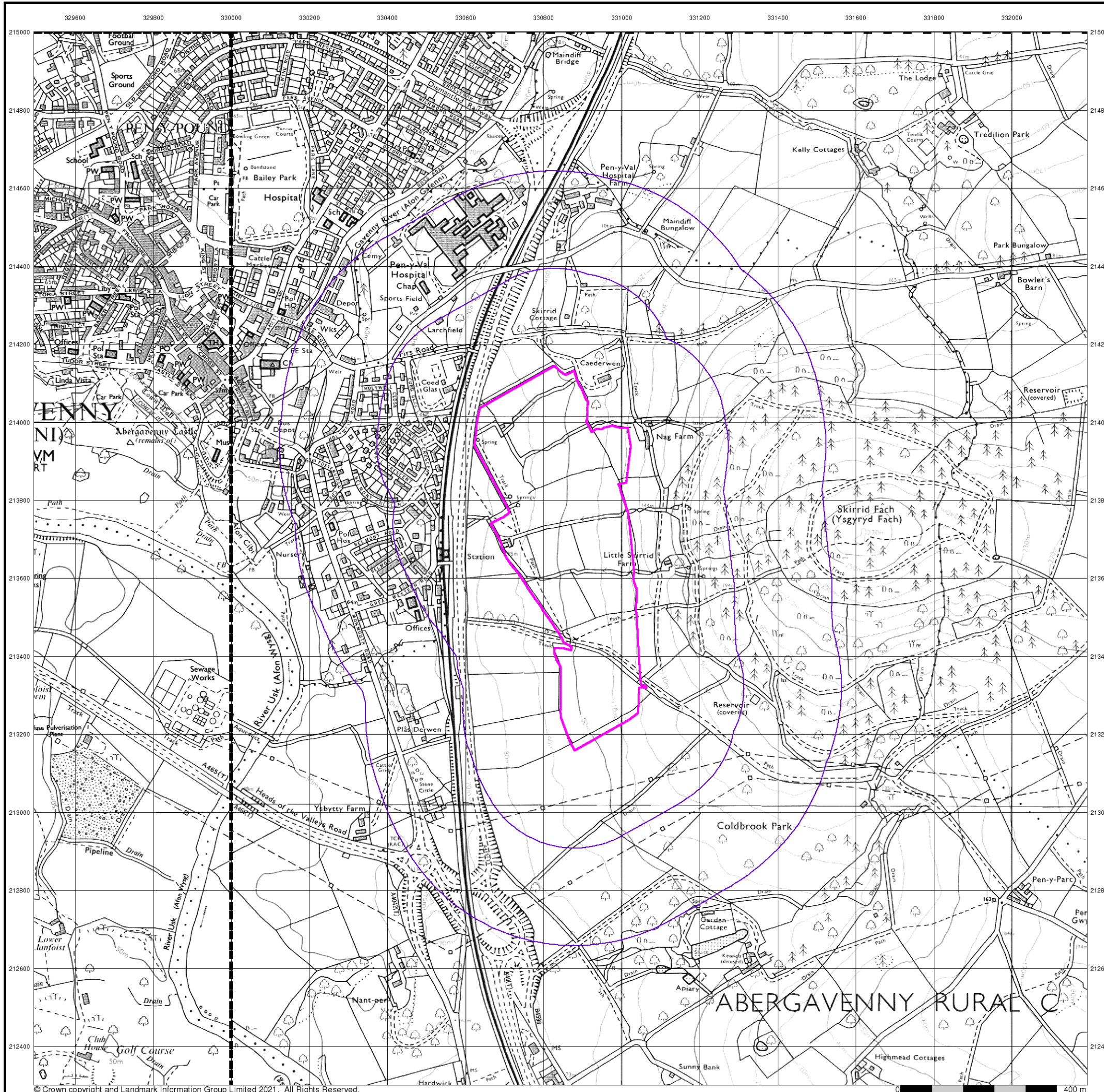
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

### Site Details

Land East of A465, Abergavenny, NP7 5LG



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





# Intégral Géotechnique

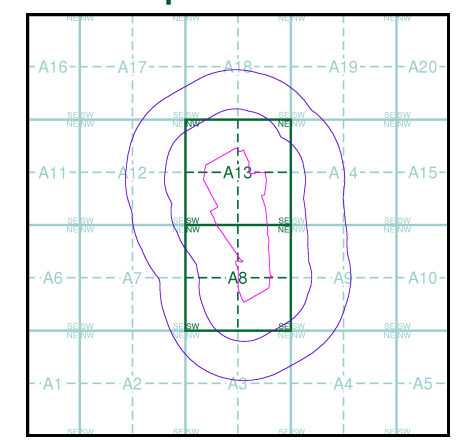
**10k Raster Mapping**  
**Published 1999 - 2000**  
**Source map scale - 1:10,000**

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

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

SO21NE	SO31NW
2000	2000
1:10,000	1:10,000
SO21SE	SO31SW
1999	2000
1:10,000	1:10,000

### Historical Map - Slice A



### Order Details

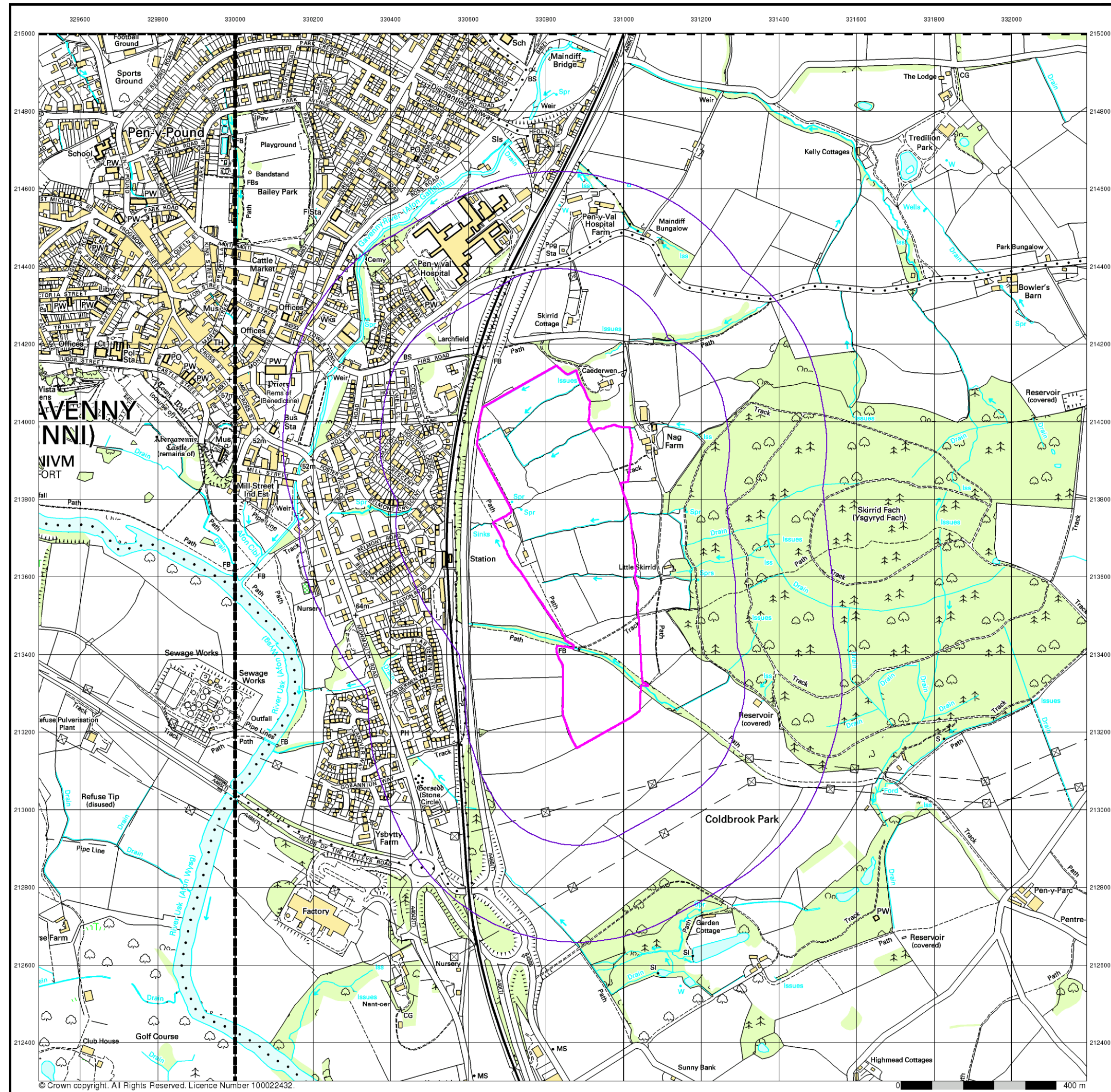
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

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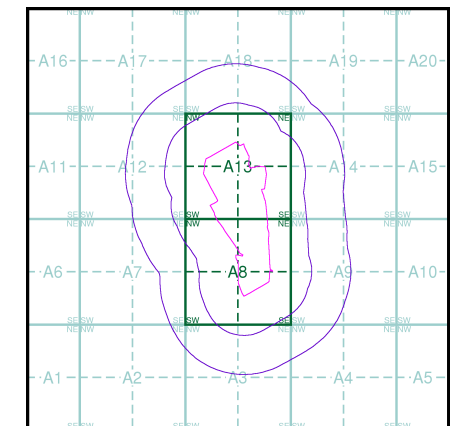


The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)**

SO21NE 2006 1:10,000	SO31NW 2006 1:10,000
SO21SE 2006 1:10,000	SO31SW 2006 1:10,000

**Historical Map - Slice A**

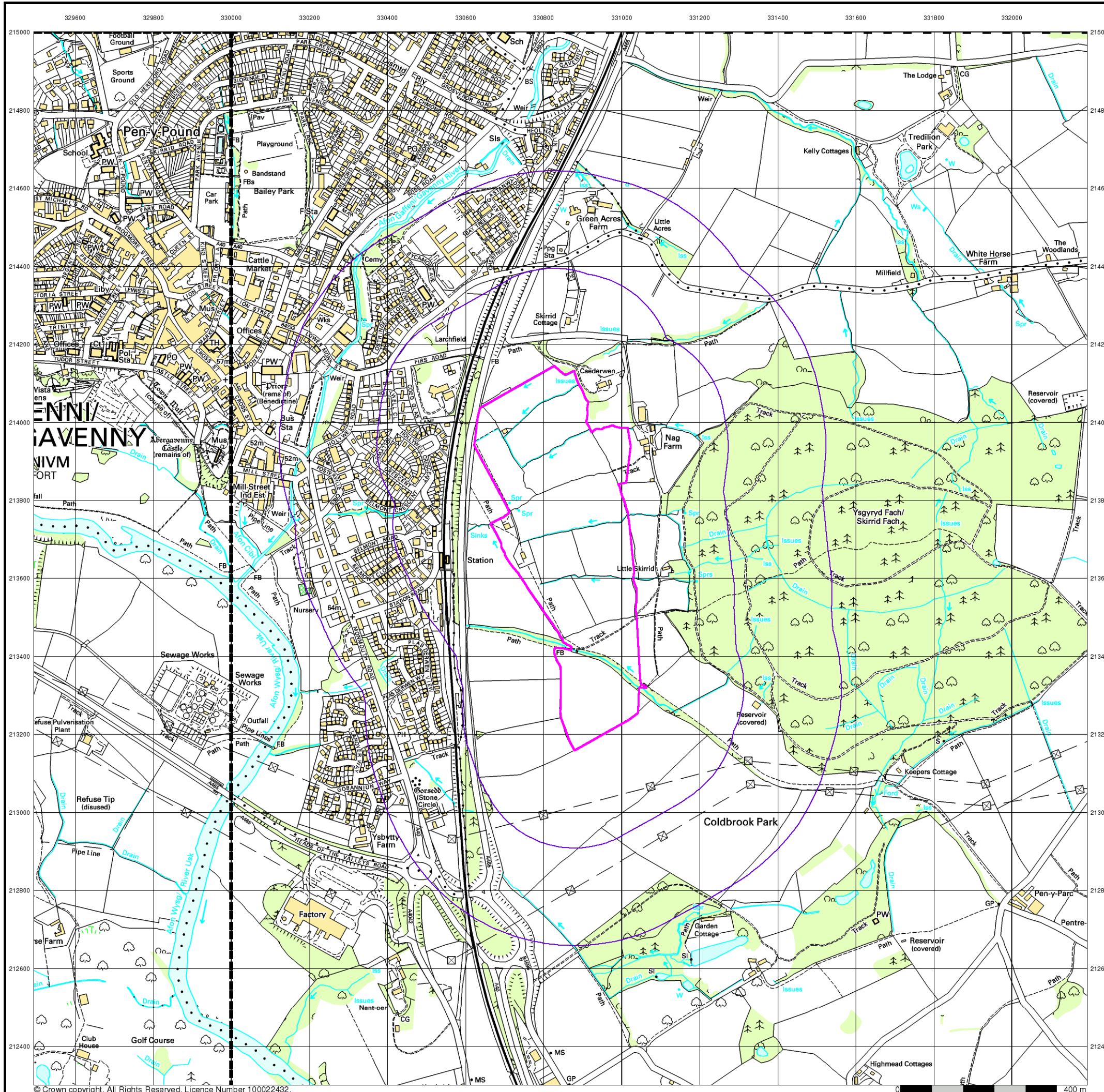


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

**Site Details**

Land East of A465, Abergavenny, NP7 5LG







### VectorMap Local

Published 2021

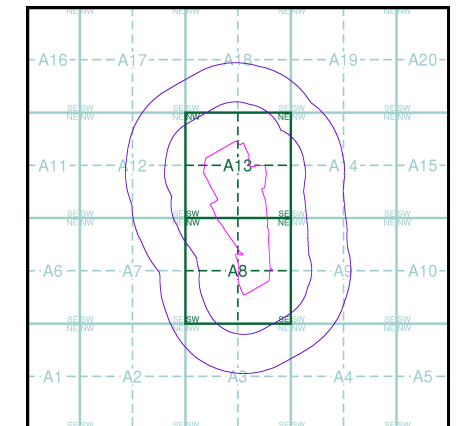
Source map scale - 1:10,000

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)

SO21NE 2021 Variable	SO31NW 2021 Variable
SO21SE 2021 Variable	SO31SW 2021 Variable

### Historical Map - Slice A



### Order Details

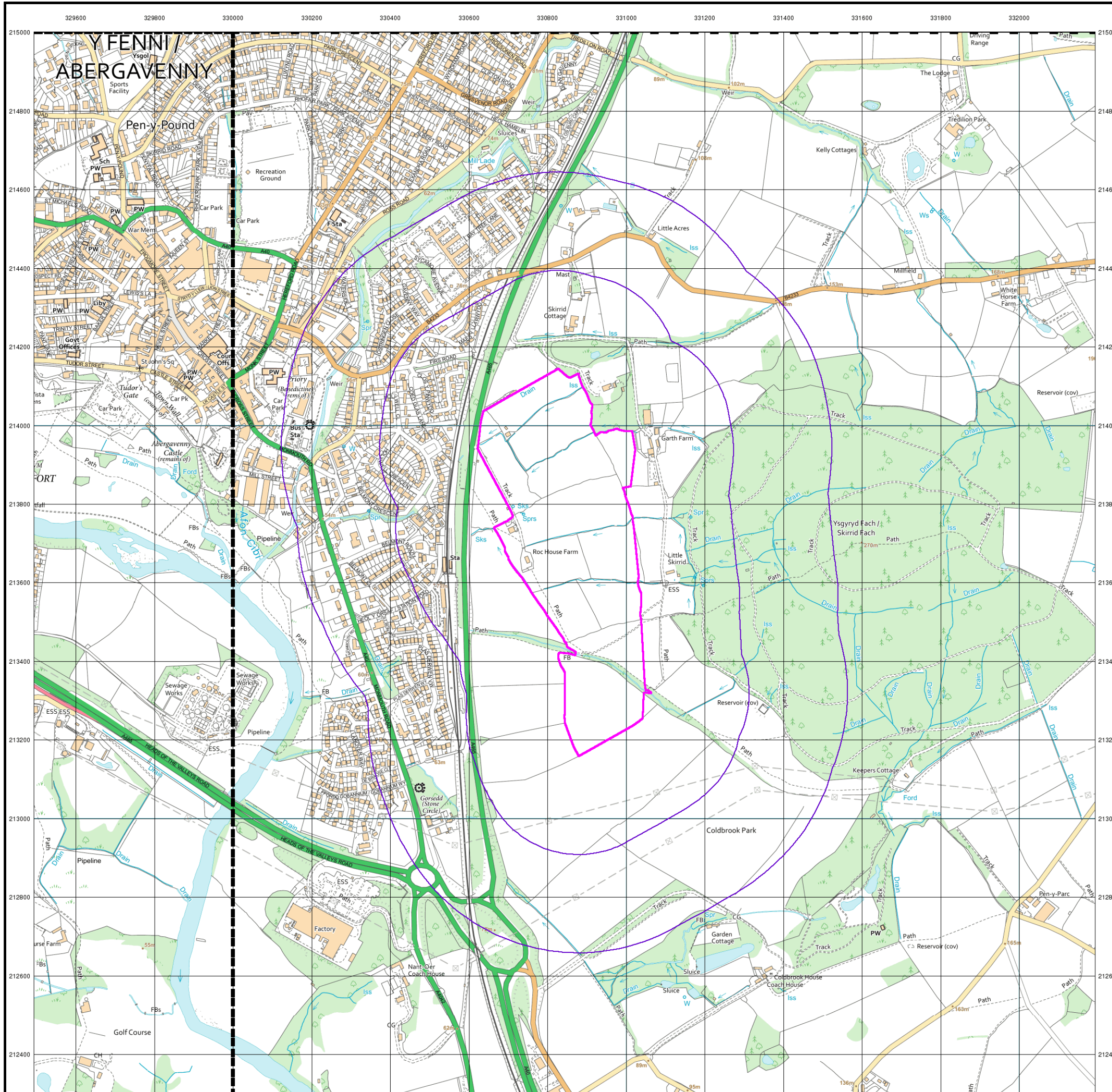
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

### Site Details

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### Monmouthshire

Published 1881

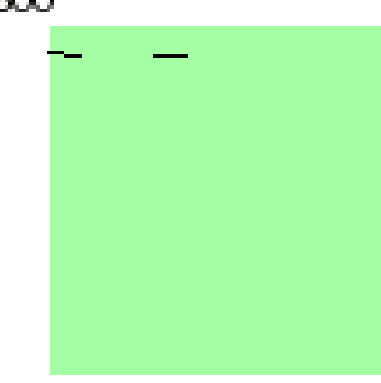
### Source map scale - 1:500

The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

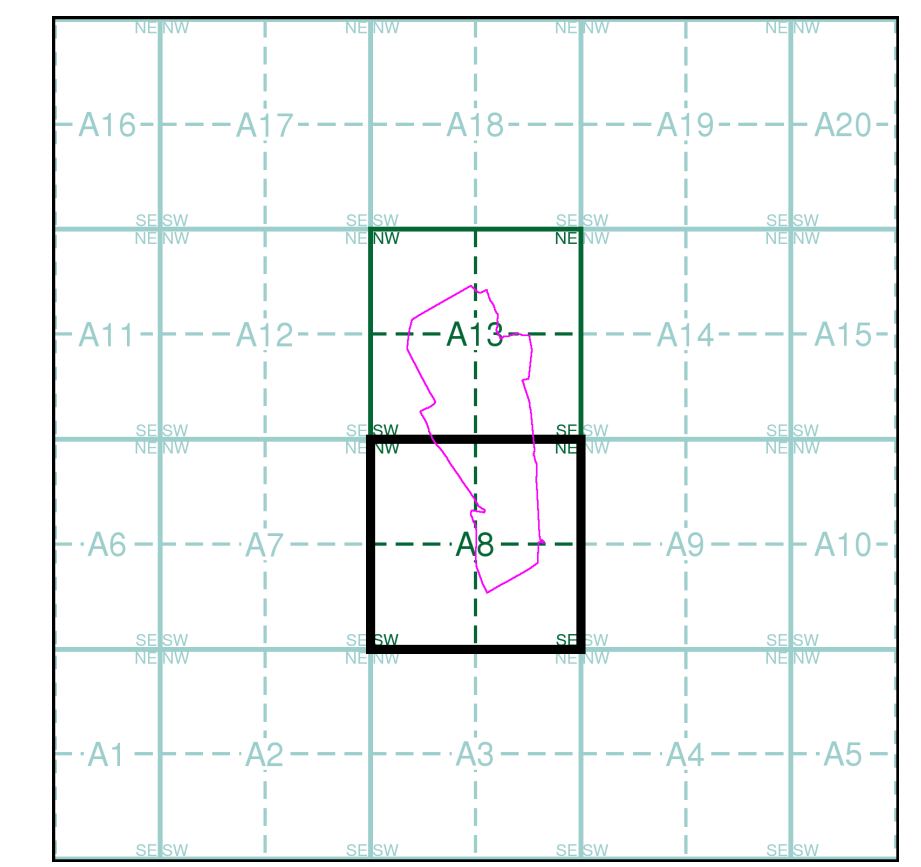
Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

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

006\_16\_021  
1881  
1:500



### Historical Town Plan - Segment A8



### Order Details

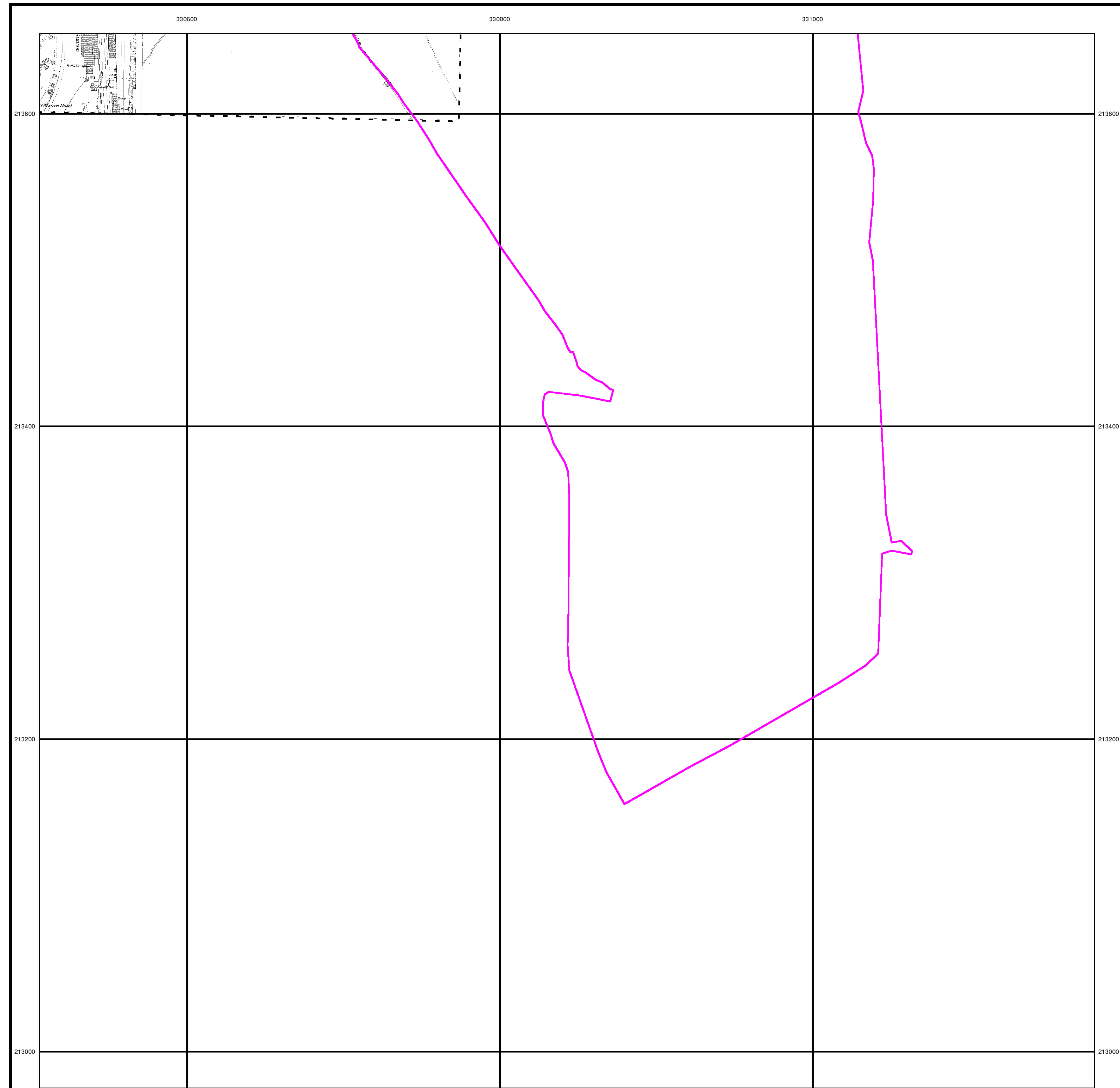
Order Number: 282534669\_1\_1  
Customer Ref: 12898/LP  
National Grid Reference: 330870, 213670  
Slice: A  
Site Area (Ha): 24.92  
Search Buffer (m): 0

### Site Details

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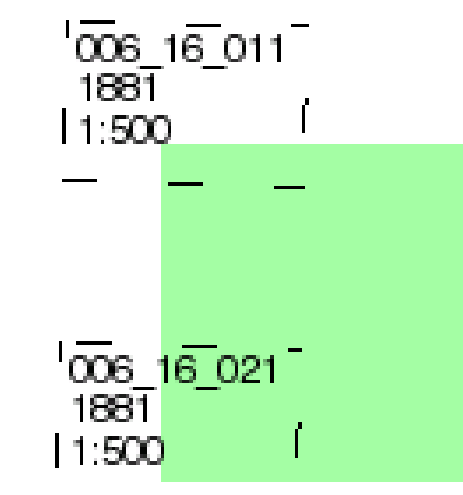




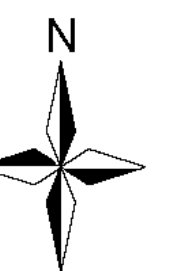
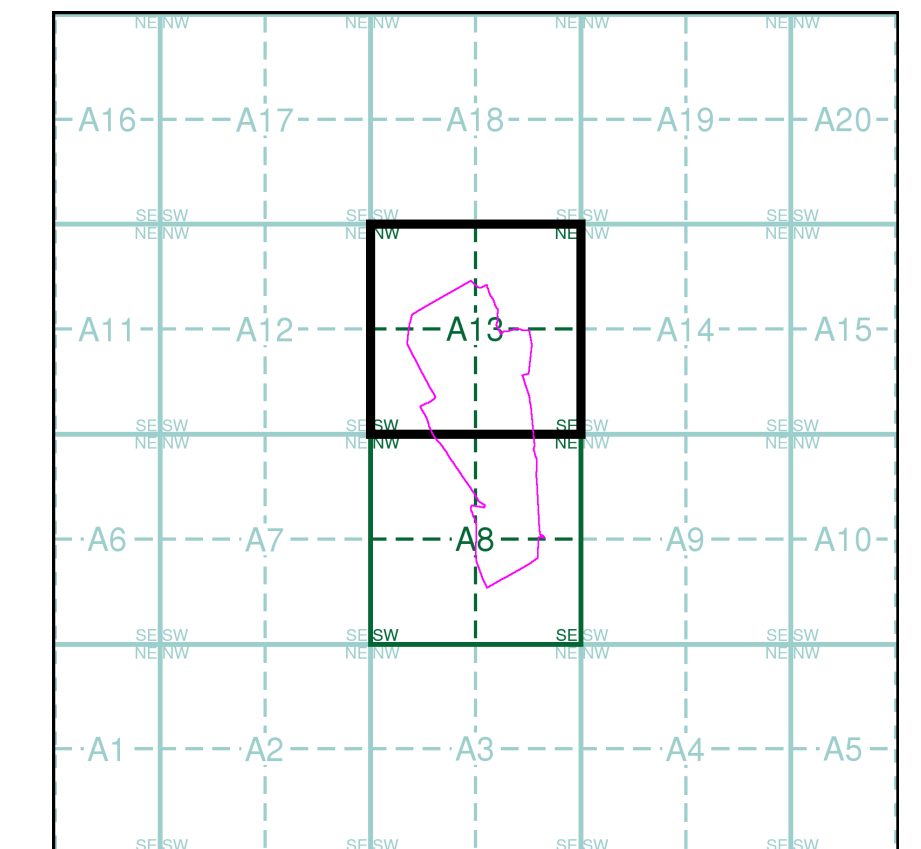
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

**Map Name(s) and Date(s)**



**Historical Town Plan - Segment A13**

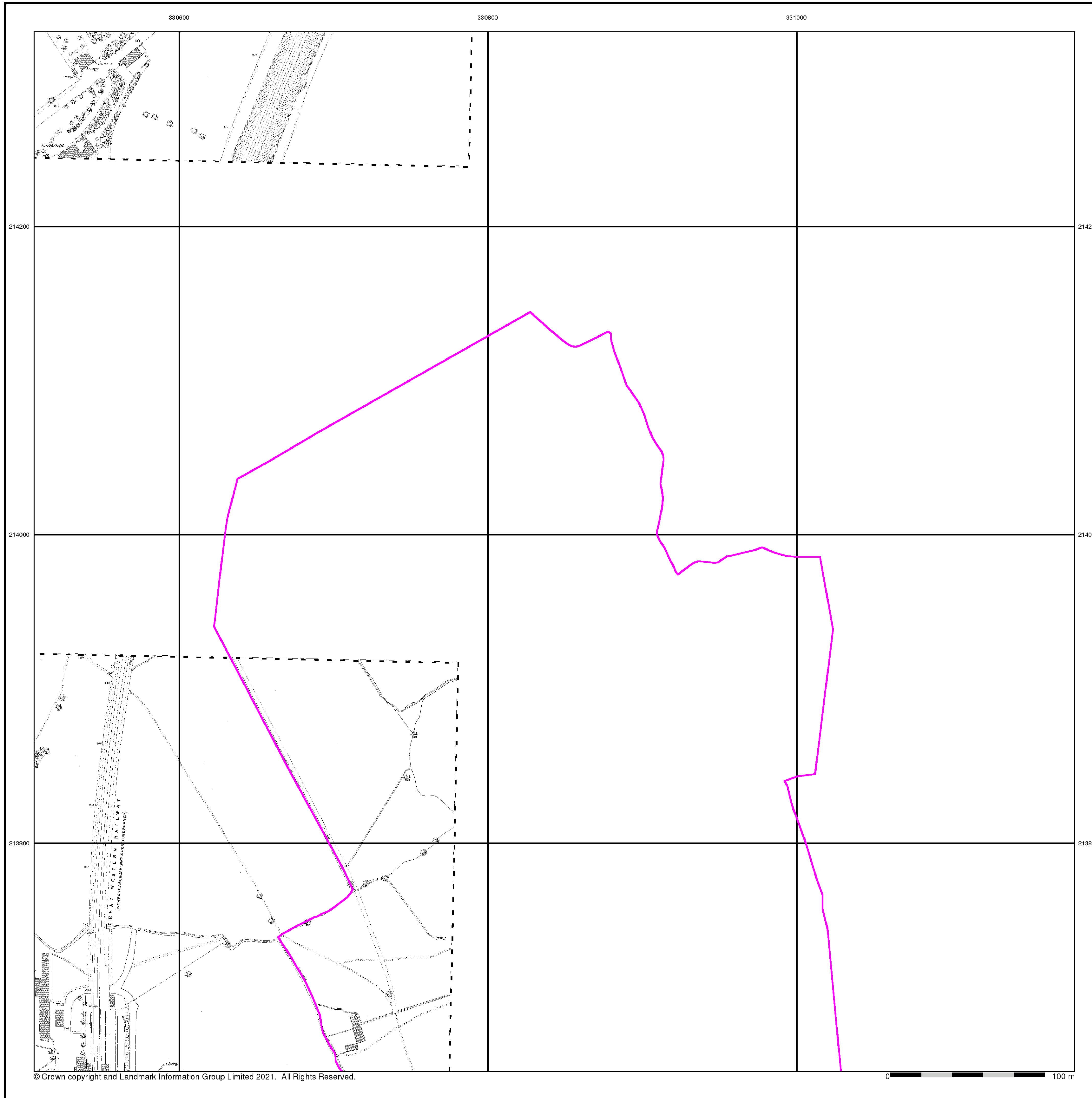


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 0

**Site Details**

Land East of A465, Abergavenny, NP7 5LG



# 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)**  
**County Burgh Boundary (Scotland)**  
**Co. Boro. Bdy.**  
**Co. Burgh Bdy.**  
**BP BS** 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**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**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

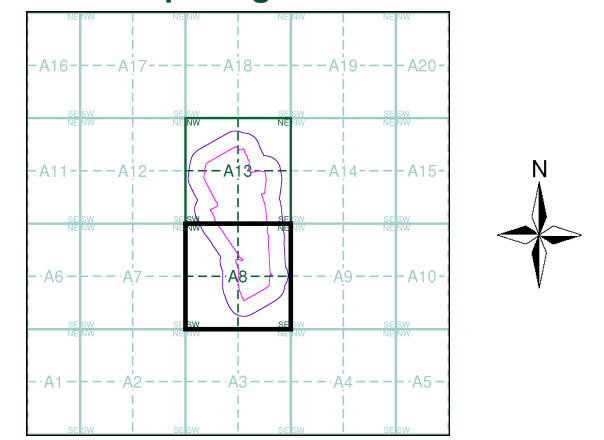
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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**  
**B.M. 231.60m** 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Monmouthshire	1:2,500	1881	2
Monmouthshire	1:2,500	1901	3
Monmouthshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1965 - 1971	5
Additional SIMs	1:2,500	1965 - 1977	6
Supply of Unpublished Survey Information	1:2,500	1975	7
Additional SIMs	1:2,500	1984 - 1986	8
Ordnance Survey Plan	1:2,500	1986	9
Additional SIMs	1:2,500	1989 - 1990	10
Additional SIMs	1:2,500	1990	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1996	13
Historical Aerial Photography	1:2,500	2001	14

## Historical Map - Segment A8



## Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

## Site Details

Land East of A465, Abergavenny, NP7 5LG

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# Intégral Géotechnique

Monmouthshire

Published 1881

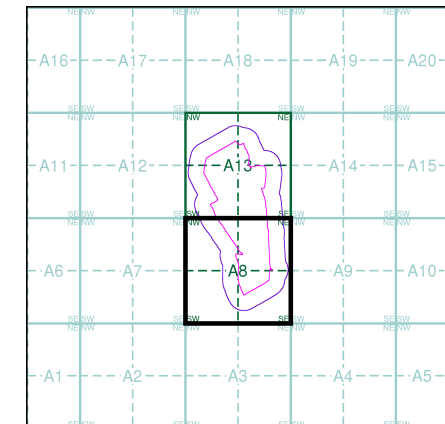
Source map scale - 1:2,500

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

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

006_16	1881	1:2,500
012_04	1881	1:2,500

## Historical Map - Segment A8



## Order Details

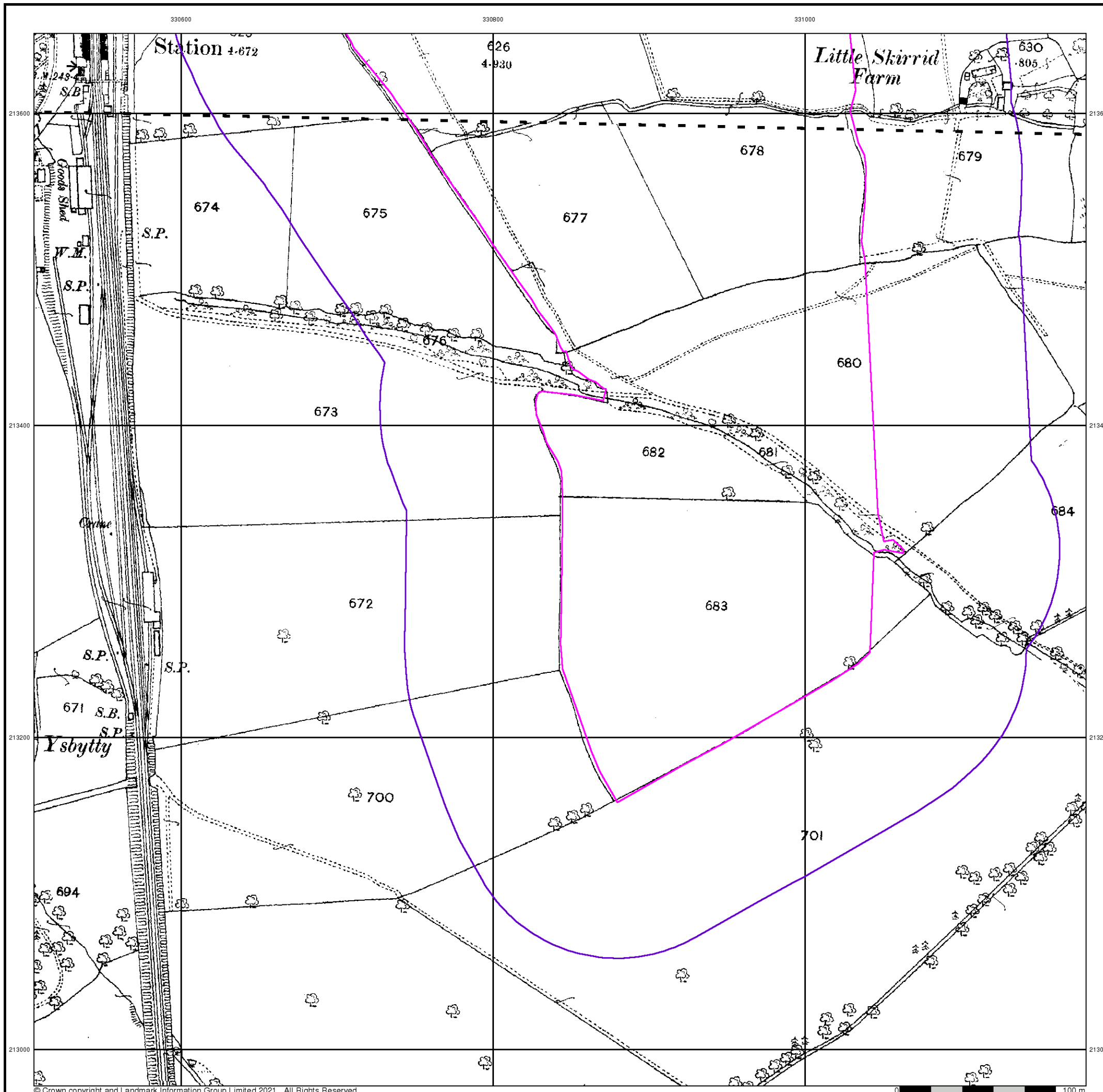
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

## Site Details

Land East of A465, Abergavenny, NP7 5LG

**Landmark**  
 INFORMATION GROUP

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 Web: www.envirocheck.co.uk



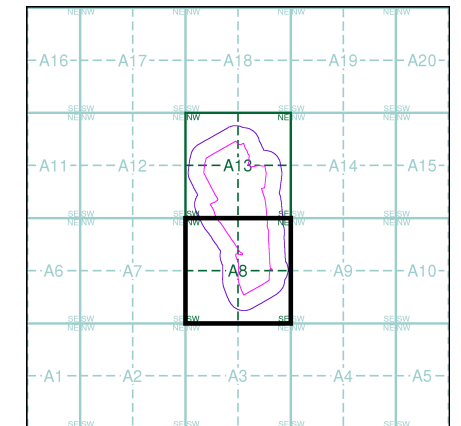


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

006_16	1901	1:2,500
012_04	1901	1:2,500

**Historical Map - Segment A8**

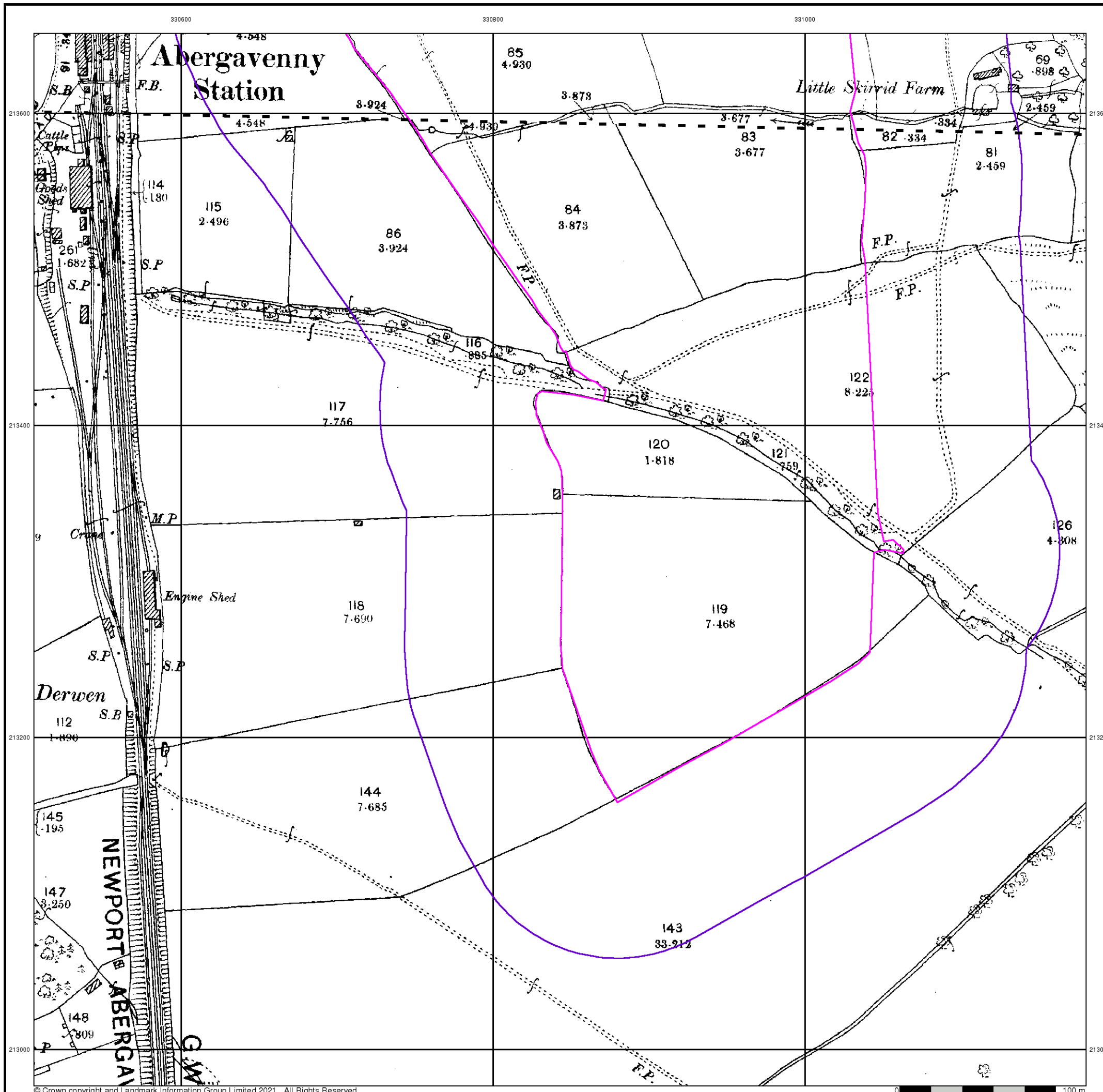


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG



# Intégral Géotechnique

Monmouthshire

Published 1920

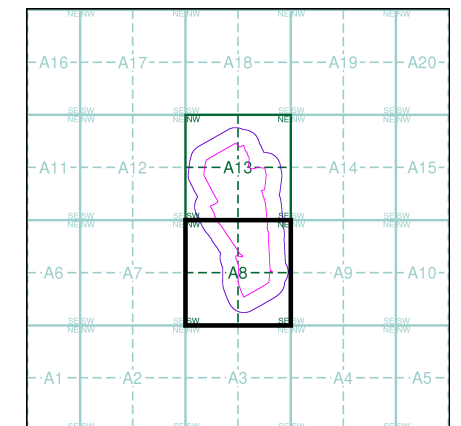
Source map scale - 1:2,500

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)

006_16	1920	1:2,500
012_04	1920	1:2,500

## Historical Map - Segment A8



## Order Details

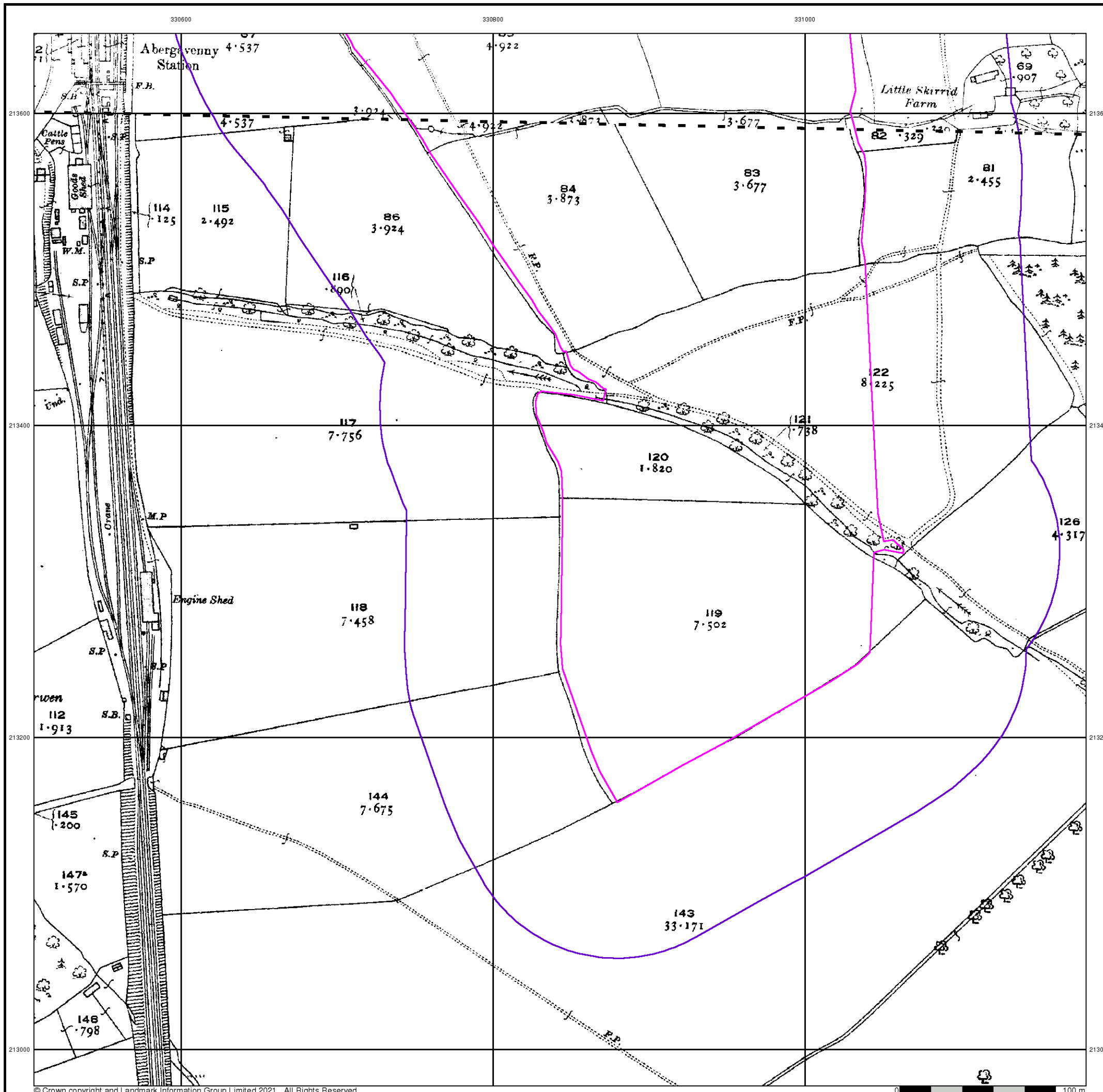
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

## Site Details

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**Landmark**  
 INFORMATION GROUP

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 Fax: 0844 844 9951  
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### Ordnance Survey Plan

Published 1965 - 1971

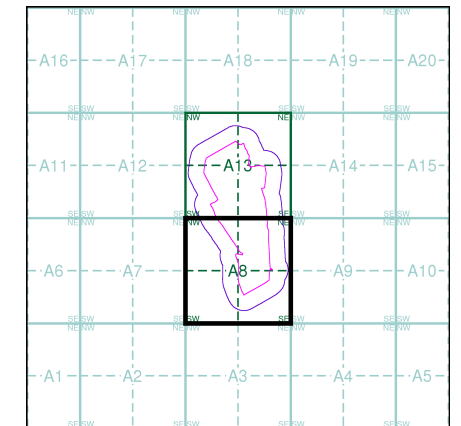
Source map scale - 1:2,500

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)

SO3013 1965 1:2,500	SO3113 1965 1:2,500
SO3012 1971 1:2,500	SO3112 1971 1:2,500

### Historical Map - Segment A8



### Order Details

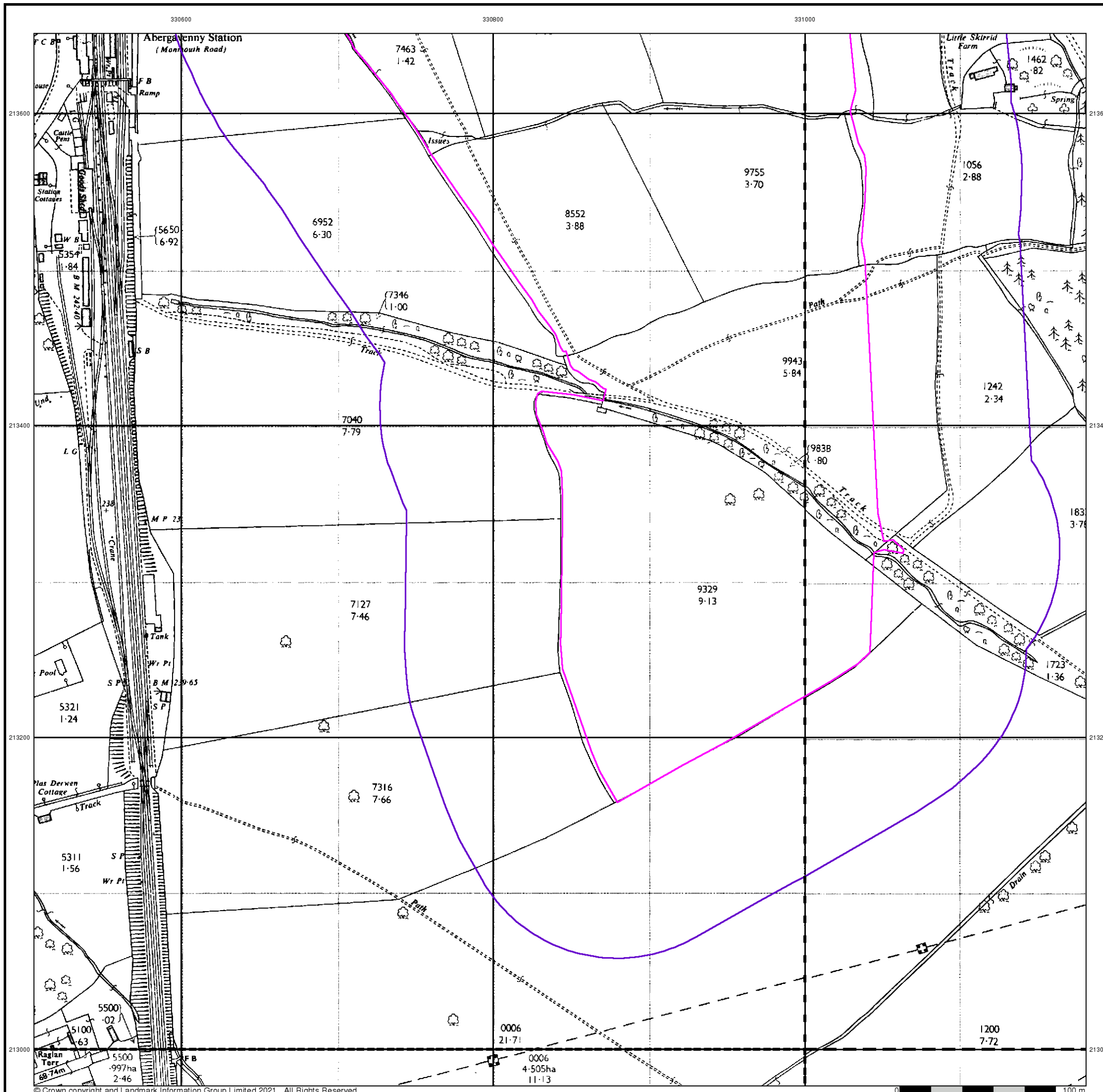
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

### Site Details

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**Additional SIMs**

**Published 1965 - 1977**

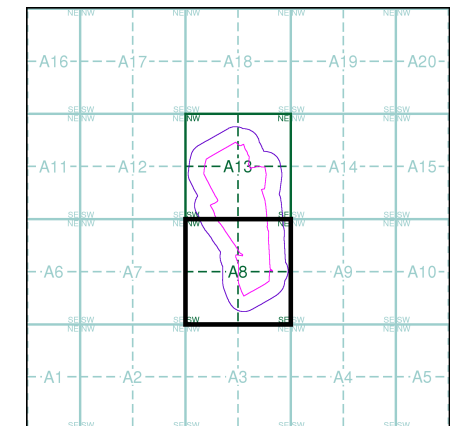
**Source map scale - 1:2,500**

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)**

SO3013	1965	1:2,500
SO3012	1977	1:2,500

**Historical Map - Segment A8**

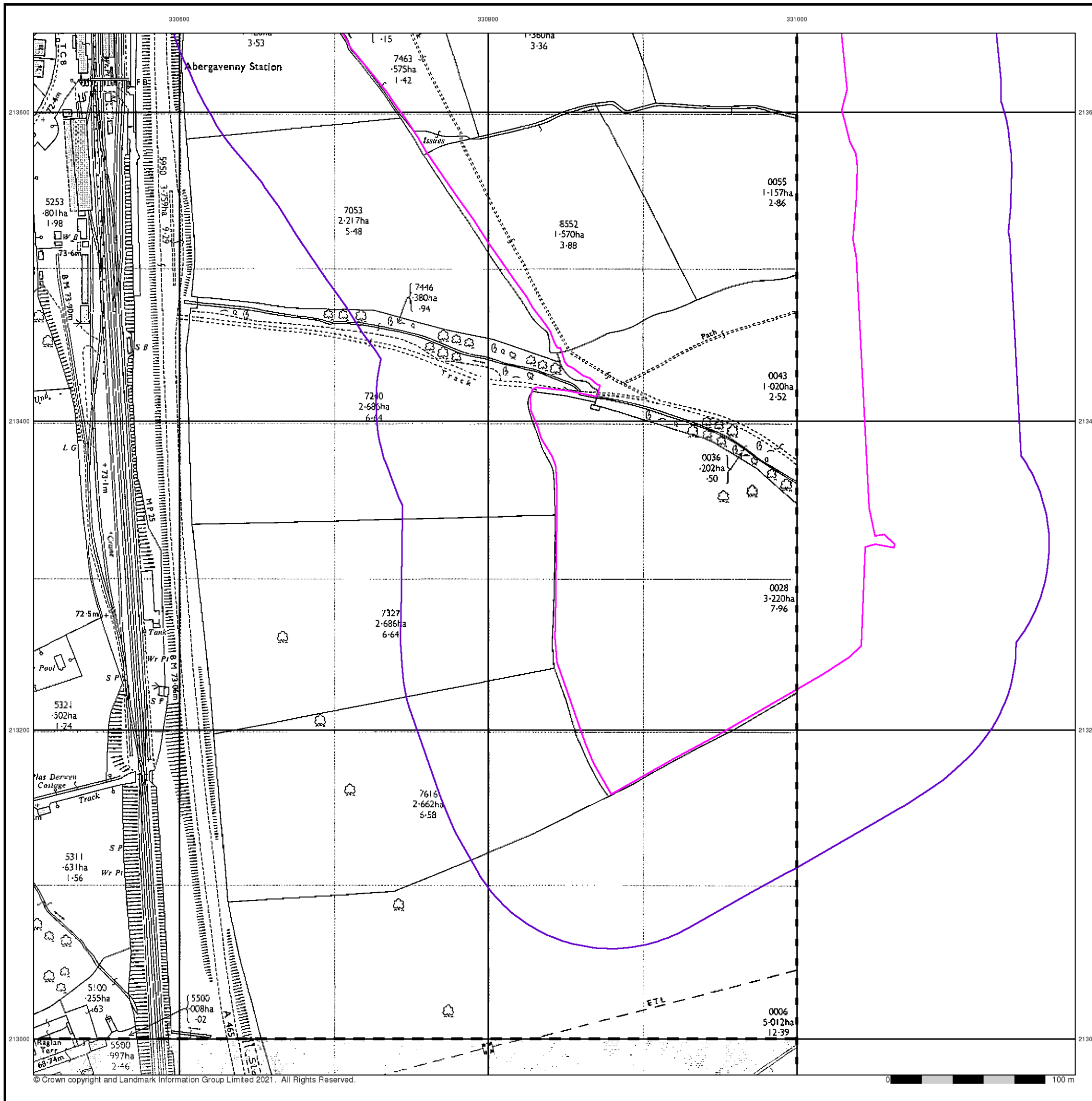


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG



**Supply of Unpublished Survey Information**

**Published 1975**

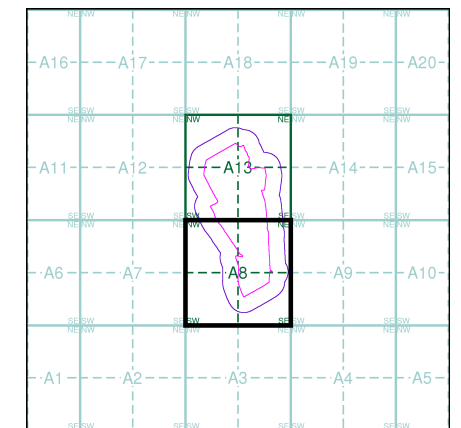
**Source map scale - 1:2,500**

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)**

SO3013 1975 1:2,500	SO3113 1975 1:2,500
SO3012 1975 1:2,500	SO3112 1975 1:2,500

**Historical Map - Segment A8**

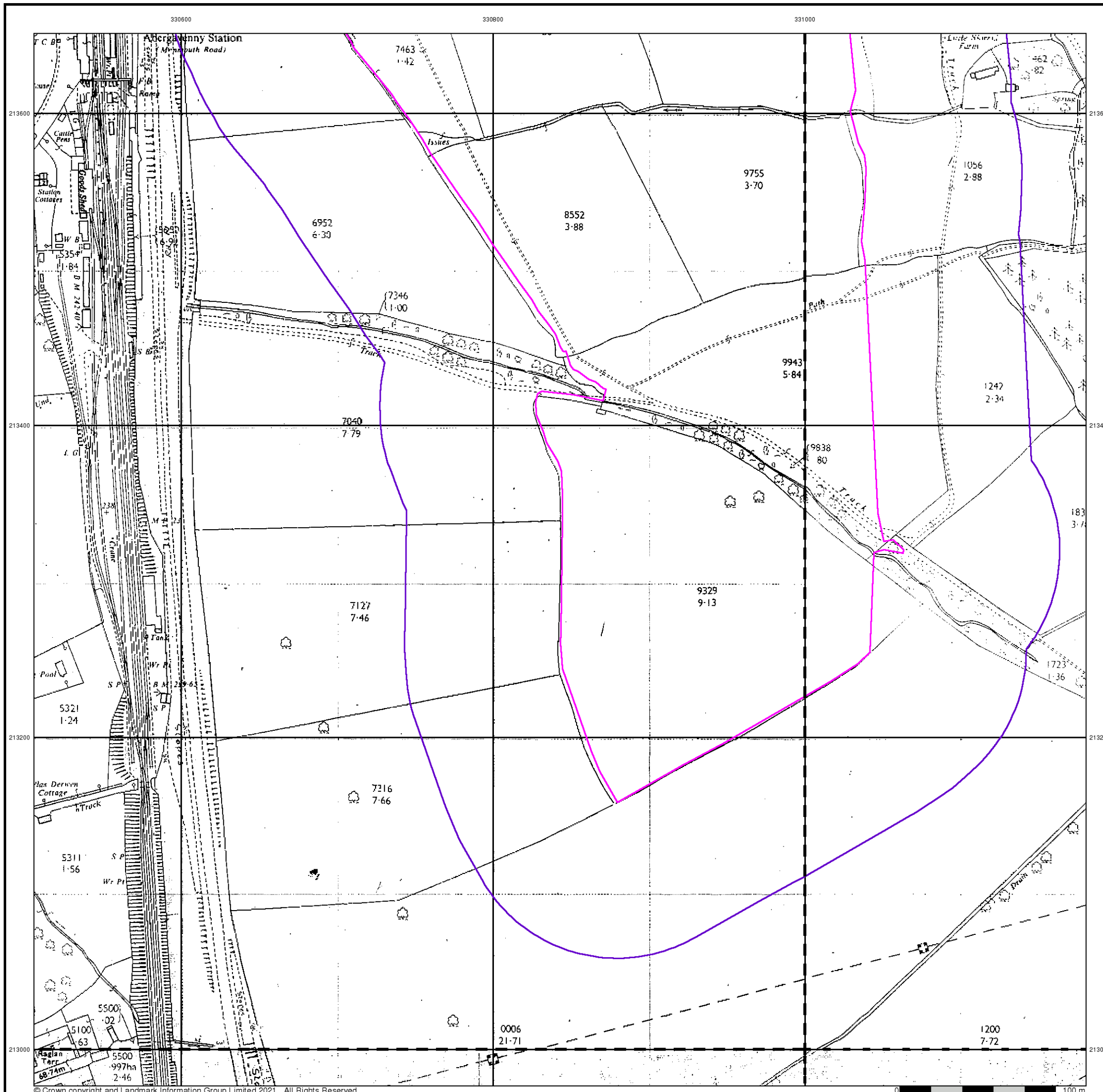


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

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## Additional SIMs

Published 1984 - 1986

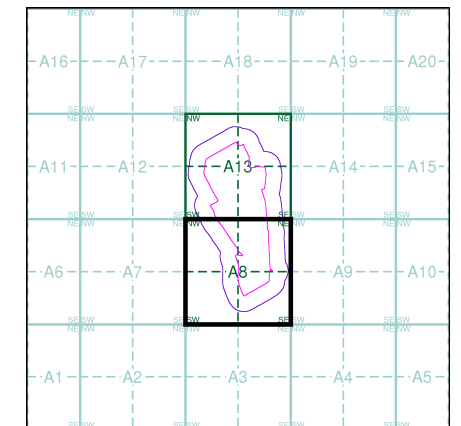
Source map scale - 1:2,500

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

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

SO3013	1986	1:2,500
SO3012	1984	1:2,500

## Historical Map - Segment A8

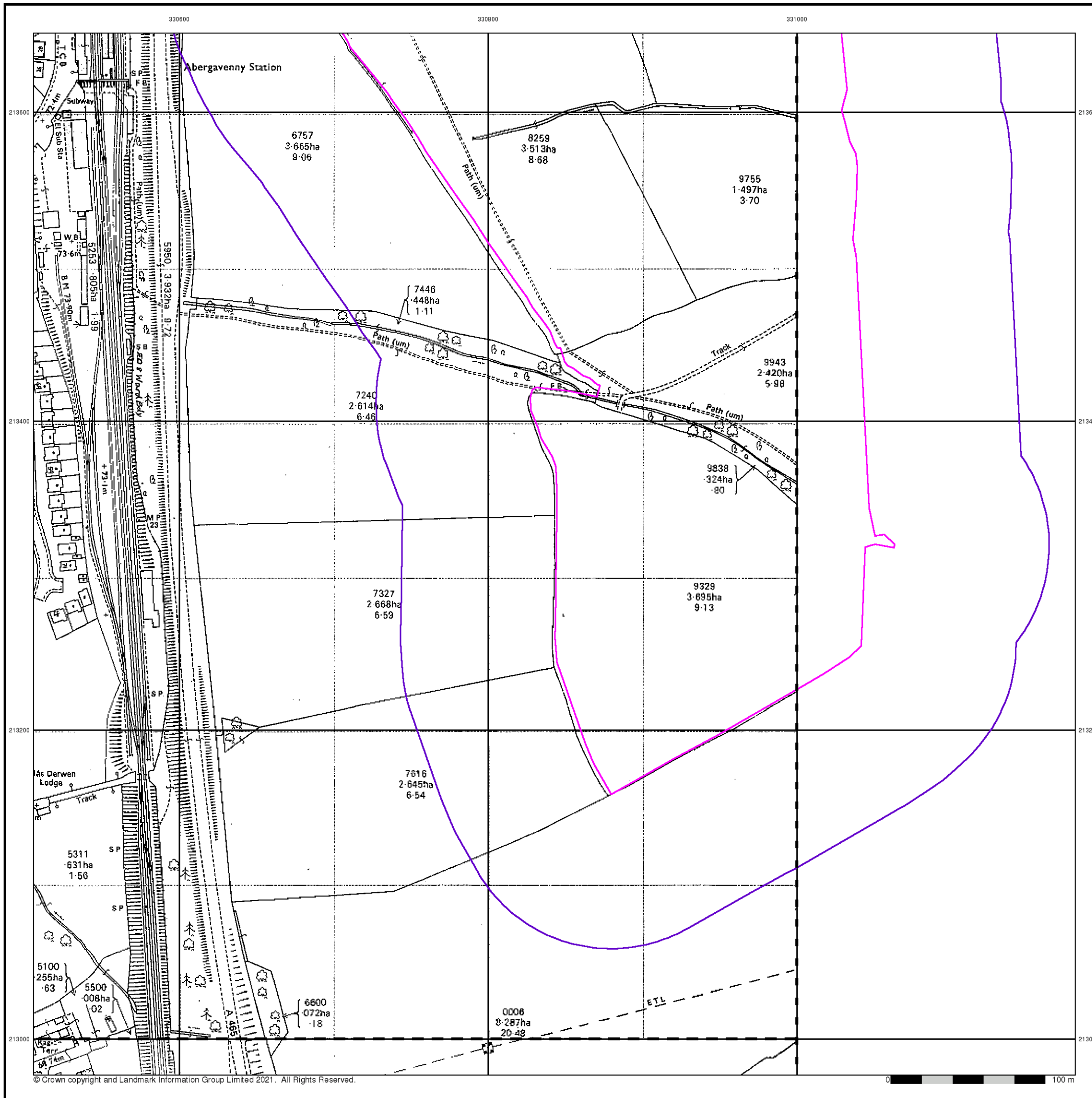


## Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

## Site Details

Land East of A465, Abergavenny, NP7 5LG







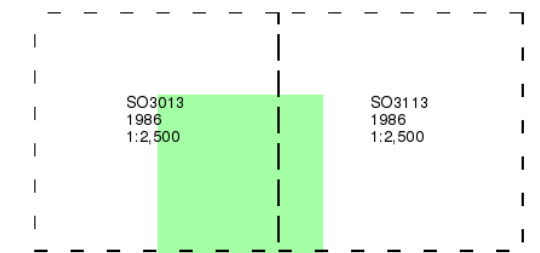
### Ordnance Survey Plan

Published 1986

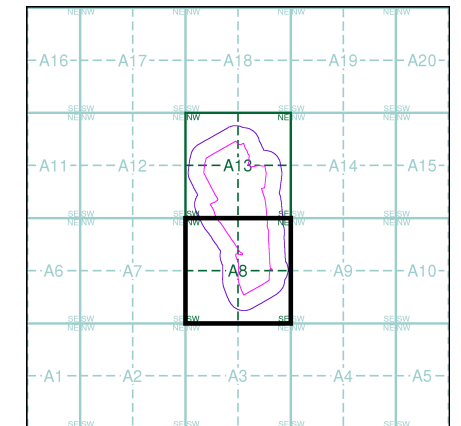
Source map scale - 1:2,500

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 A8



### Order Details

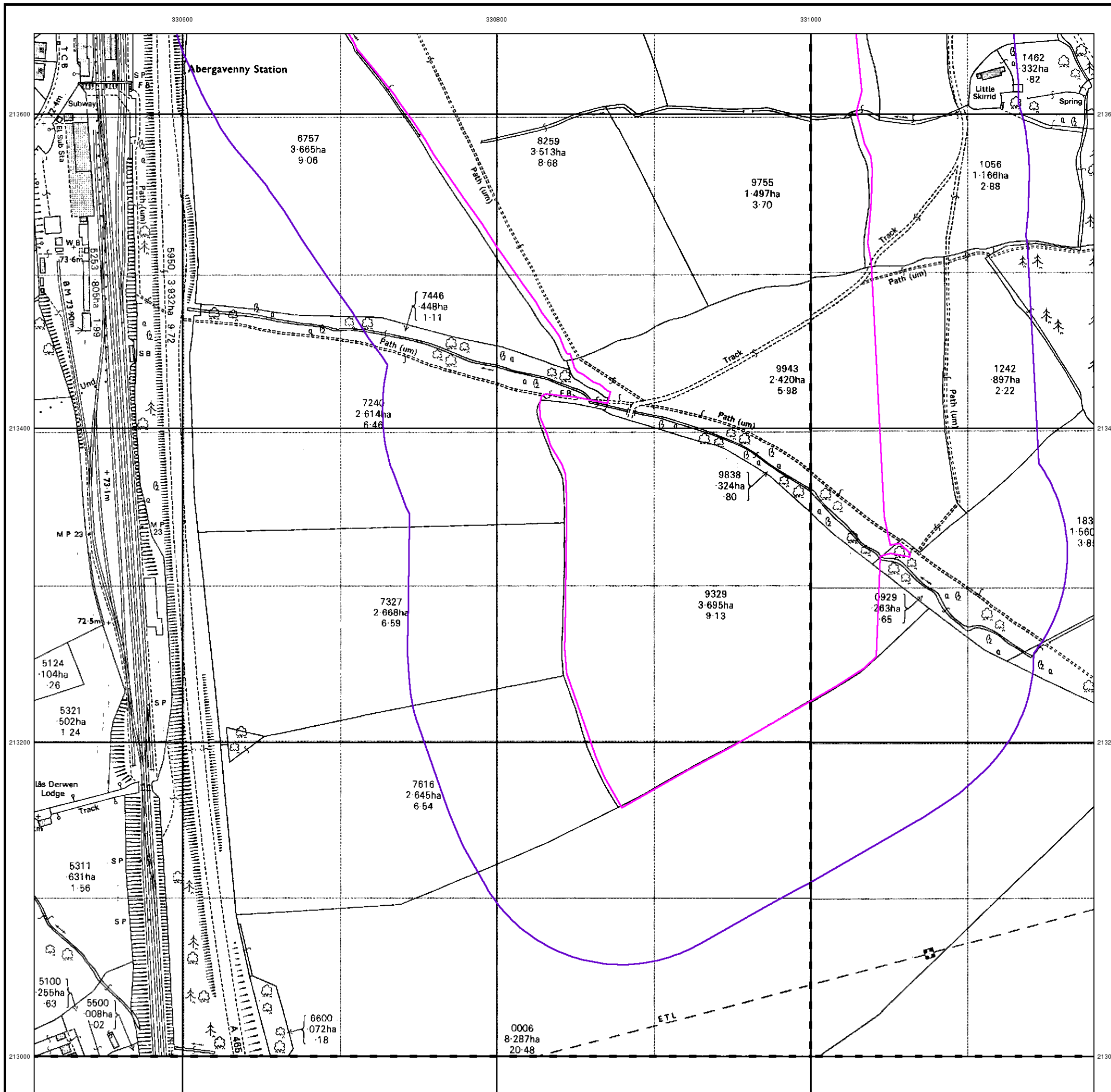
Order Number: 282534669\_1\_1  
Customer Ref: 12898/LP  
National Grid Reference: 330870, 213670  
Slice: A  
Site Area (Ha): 24.92  
Search Buffer (m): 100

### Site Details

Land East of A465, Abergavenny, NP7 5LG



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



**Additional SIMs**

**Published 1989 - 1990**

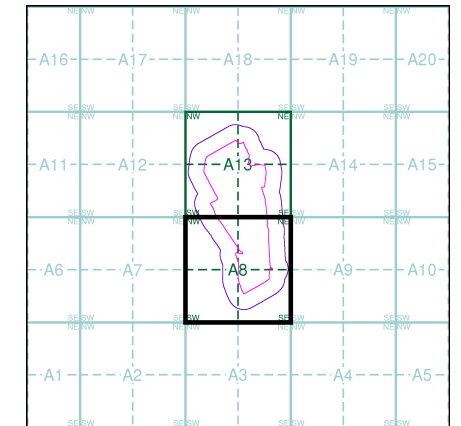
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**

SO3013	1989	1:2,500
SO3012	1990	1:2,500

**Historical Map - Segment A8**

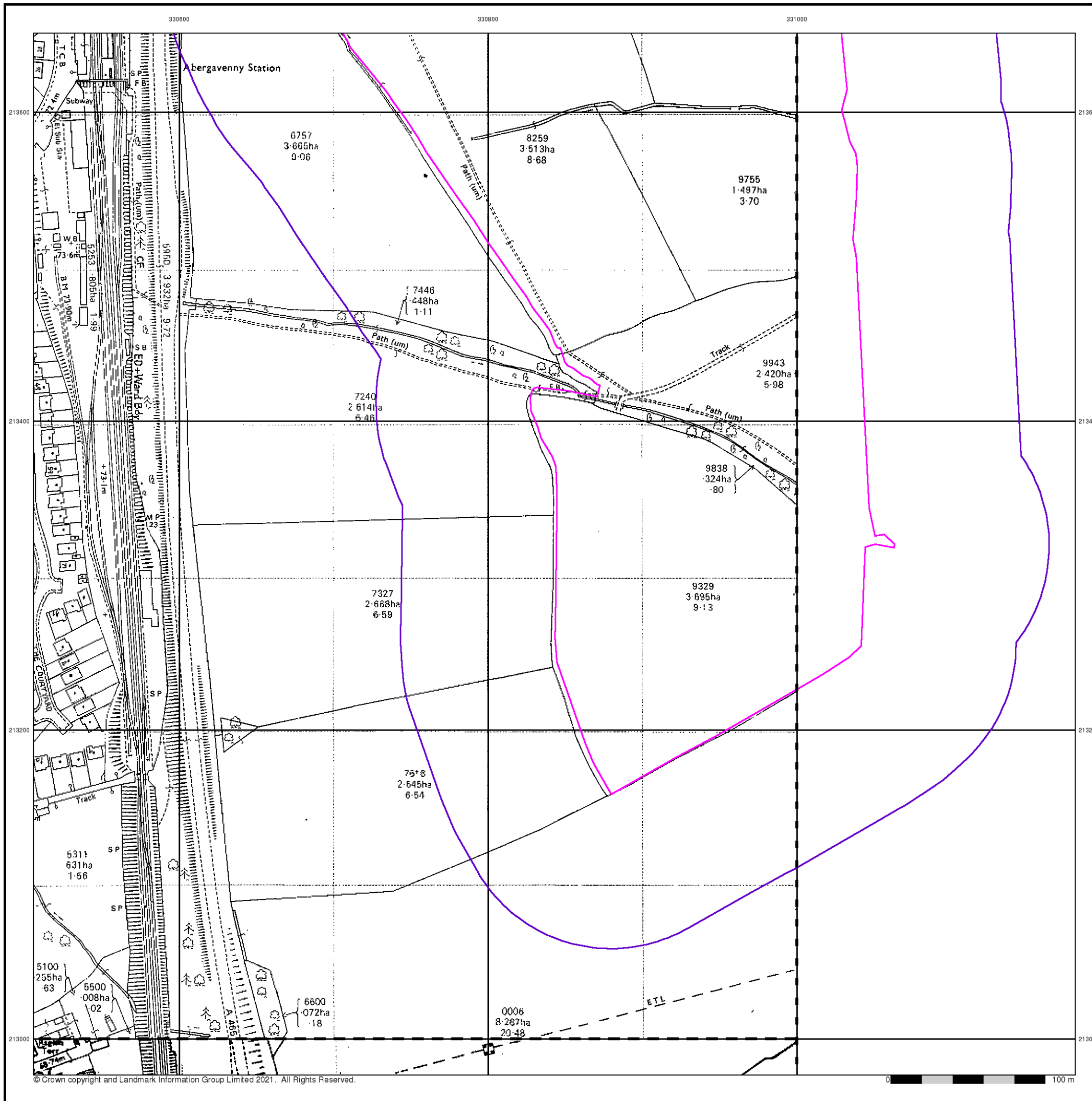


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG



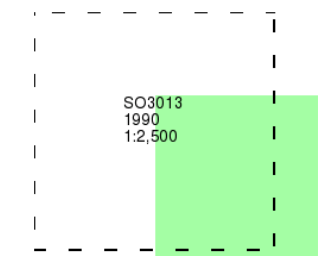
**Additional SIMs**

**Published 1990**

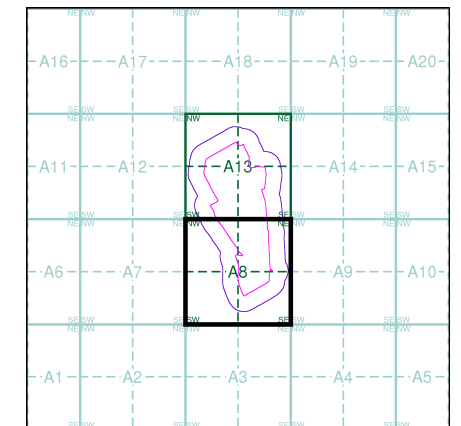
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**



**Historical Map - Segment A8**

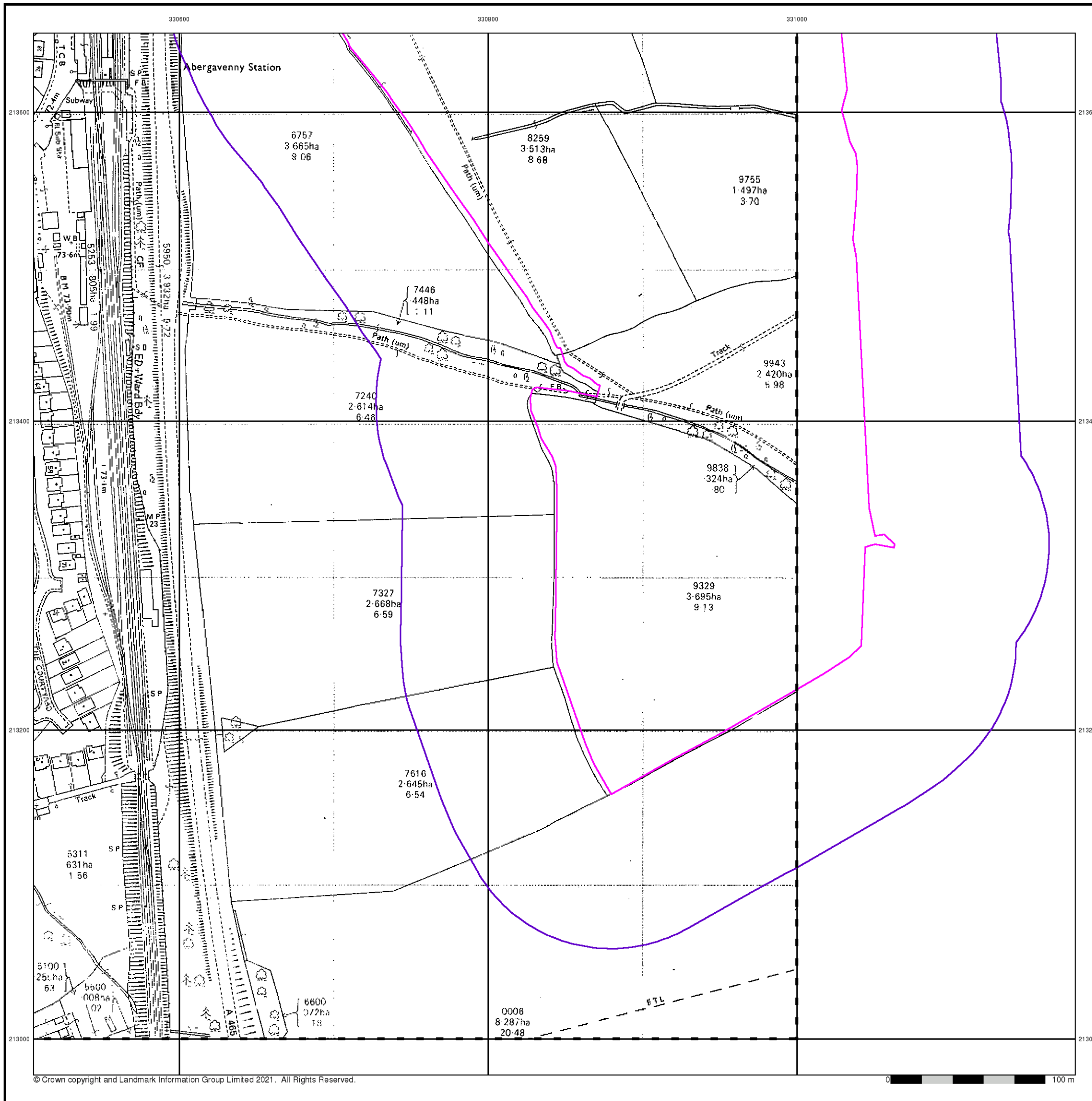


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG





**Large-Scale National Grid Data**

**Published 1993**

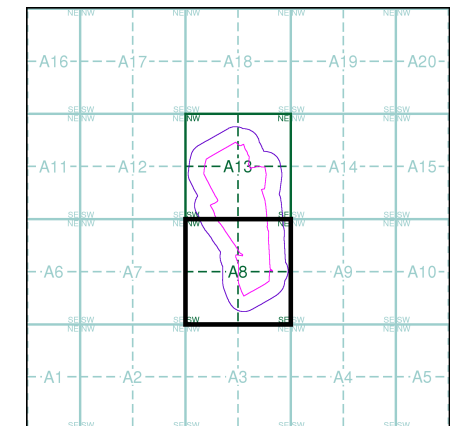
**Source map scale - 1:2,500**

'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)**

SO3013 1993 12,500	SO3113 1993 12,500
SO3012 1993 12,500	SO3112 1993 12,500

**Historical Map - Segment A8**

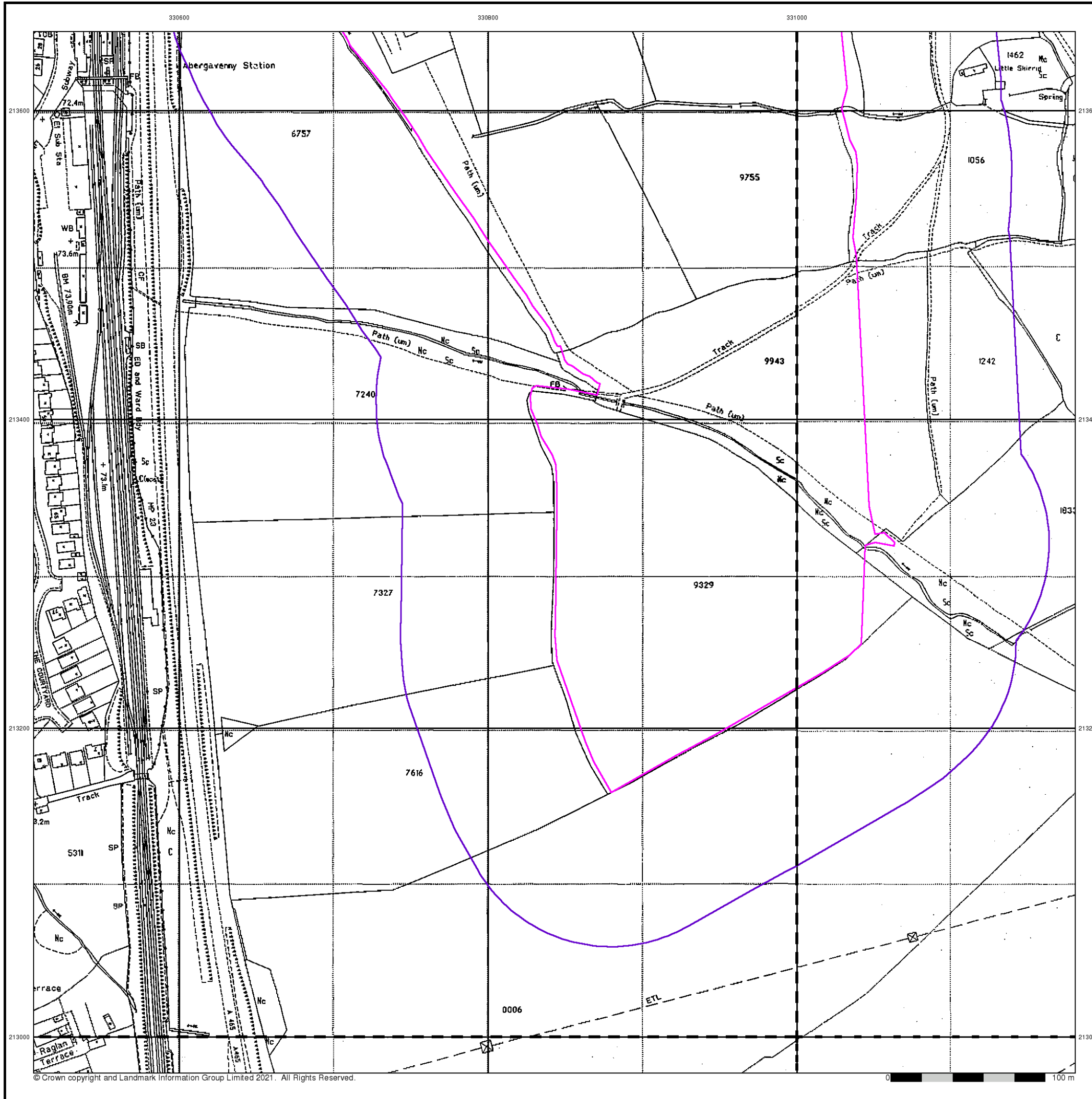


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG





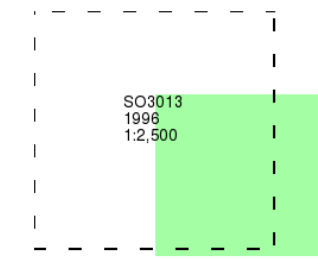
### Large-Scale National Grid Data

Published 1996

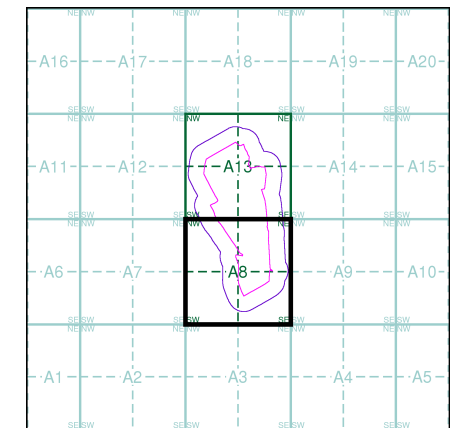
Source map scale - 1:2,500

'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 A8



### Order Details

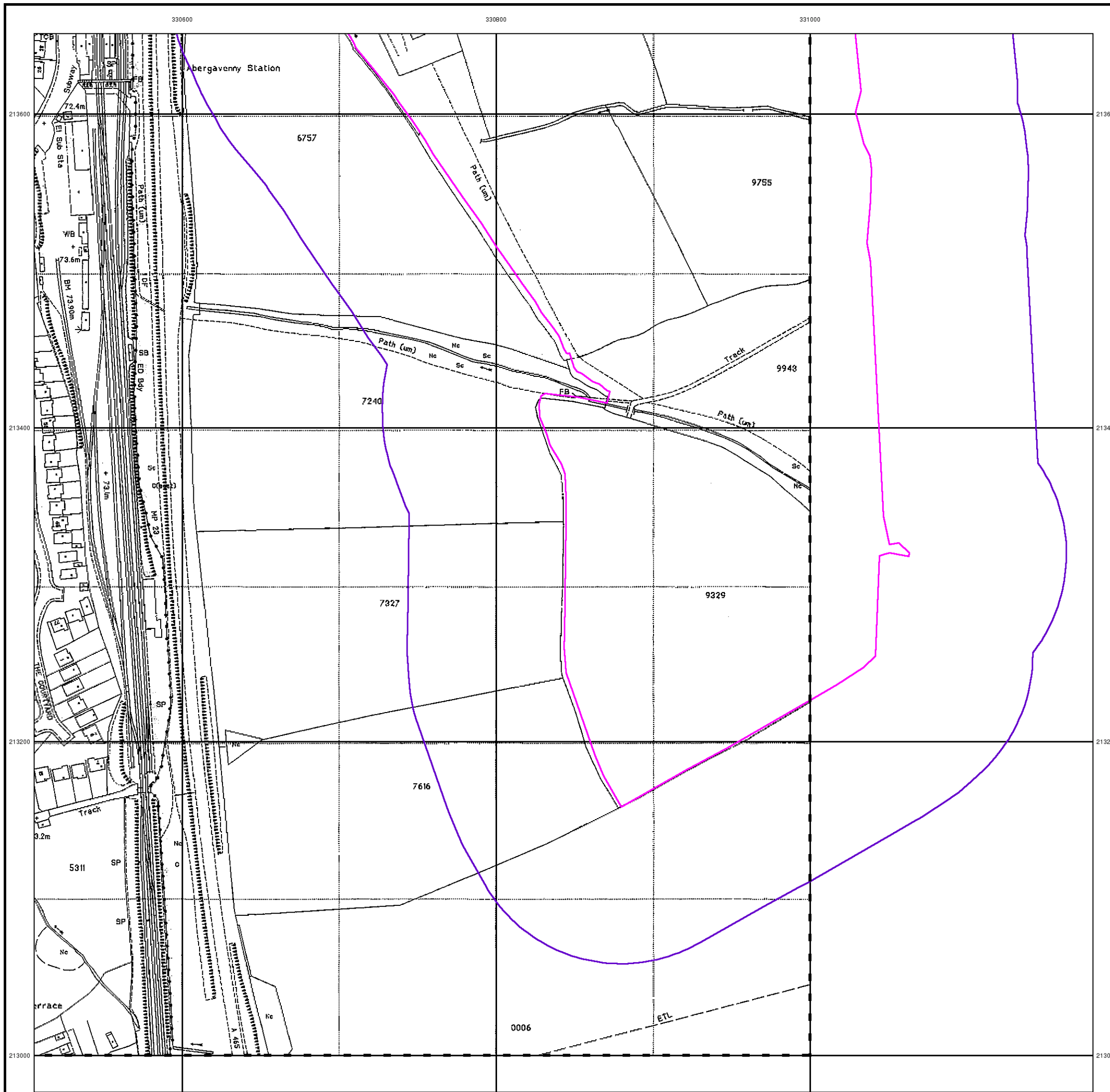
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

### Site Details

Land East of A465, Abergavenny, NP7 5LG



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 Fax: 0844 844 9951  
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330600

330800

331000

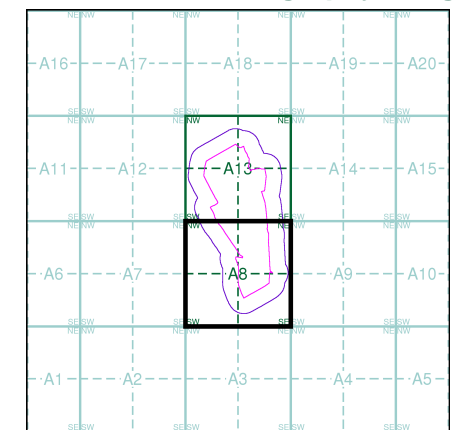


### Historical Aerial Photography

Published 2001

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 A8



### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

### Site Details

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# 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)**  
**County Burgh Boundary (Scotland)**  
**Boundary Post or Stone**   **Police Call Box**  
**B.R. Bridle Road**   **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**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**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

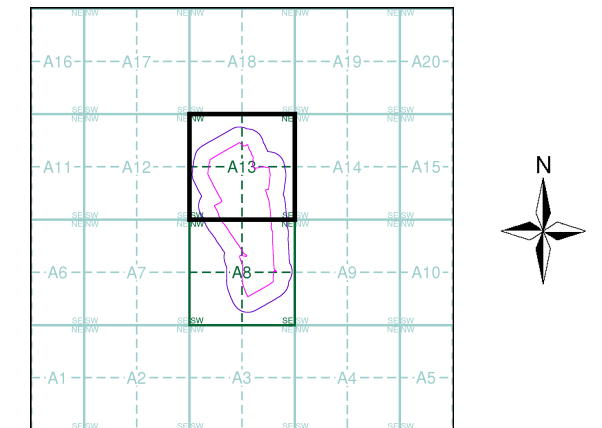
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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**

# Intégral Géotechnique

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Monmouthshire	1:2,500	1881	2
Monmouthshire	1:2,500	1901	3
Monmouthshire	1:2,500	1920	4
Ordnance Survey Plan	1:2,500	1965	5
Additional SIMs	1:2,500	1965 - 1987	6
Supply of Unpublished Survey Information	1:2,500	1975	7
Supply of Unpublished Survey Information	1:2,500	1976	8
Ordnance Survey Plan	1:2,500	1986	9
Additional SIMs	1:2,500	1986	10
Additional SIMs	1:2,500	1989	11
Additional SIMs	1:2,500	1990	12
Large-Scale National Grid Data	1:2,500	1993	13
Large-Scale National Grid Data	1:2,500	1994	14
Large-Scale National Grid Data	1:2,500	1996	15
Historical Aerial Photography	1:2,500	2001	16

## Historical Map - Segment A13



## Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

## Site Details

Land East of A465, Abergavenny, NP7 5LG

# Intégral Géotechnique

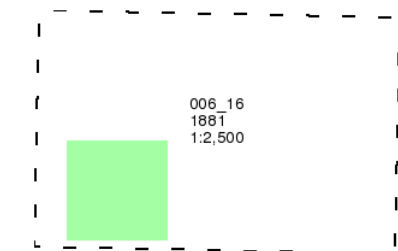
Monmouthshire

Published 1881

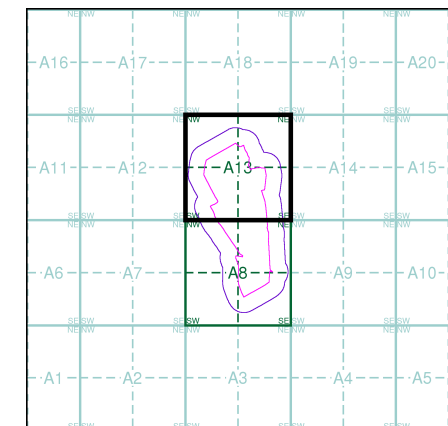
Source map scale - 1:2,500

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

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



## Historical Map - Segment A13



## Order Details

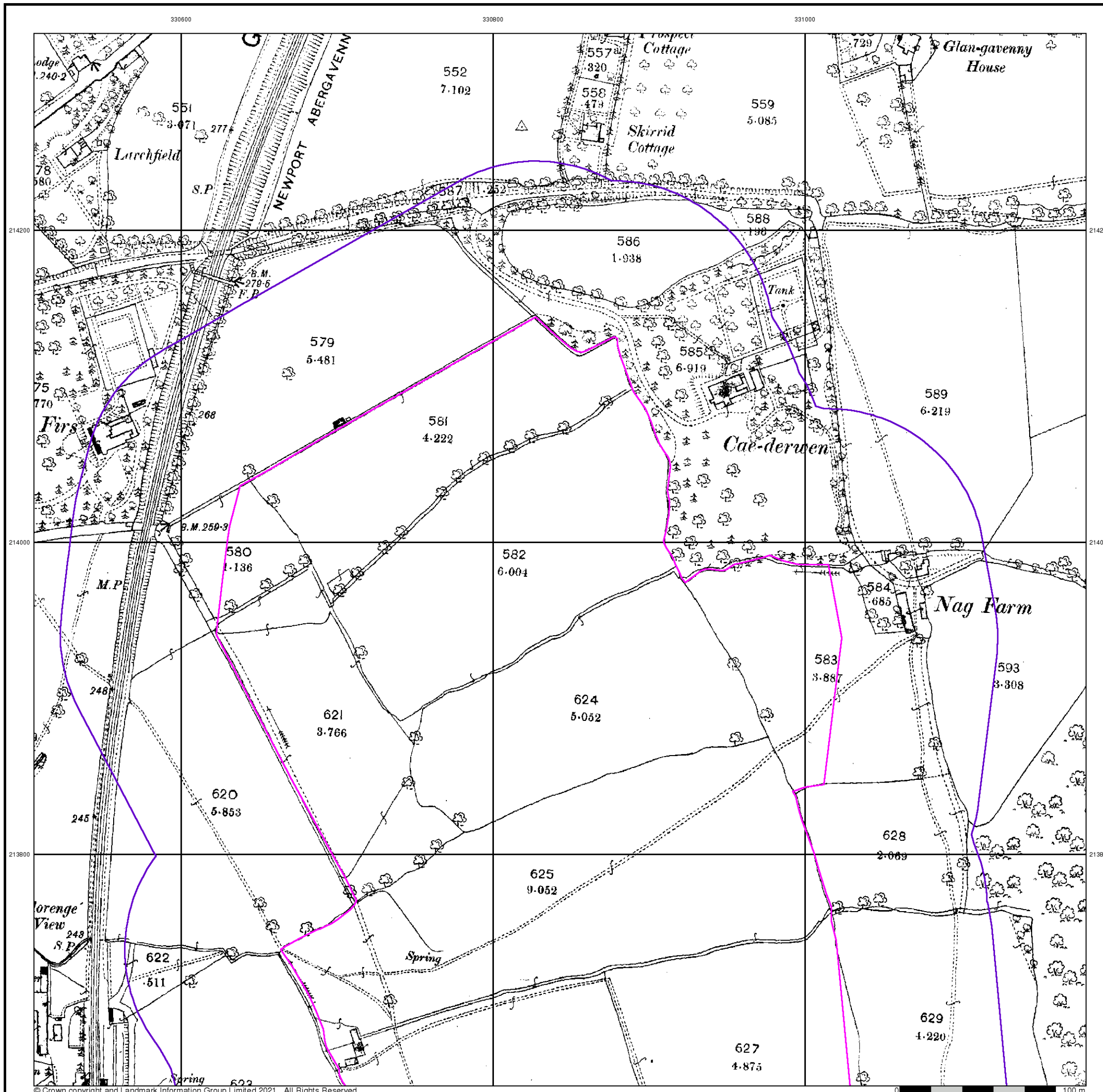
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

## Site Details

Land East of A465, Abergavenny, NP7 5LG

**Landmark**  
 INFORMATION GROUP

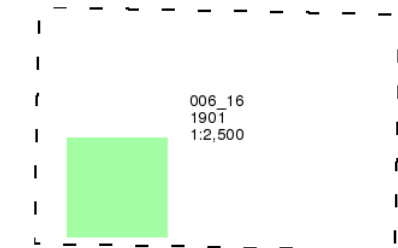
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



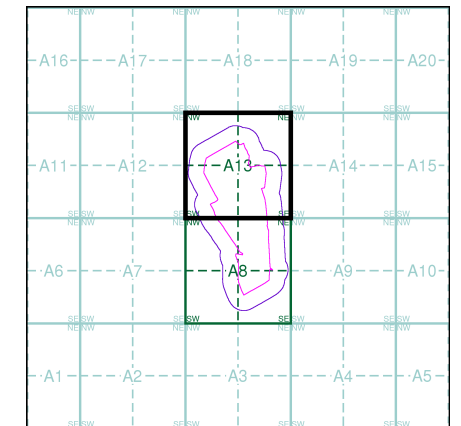


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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 A13**

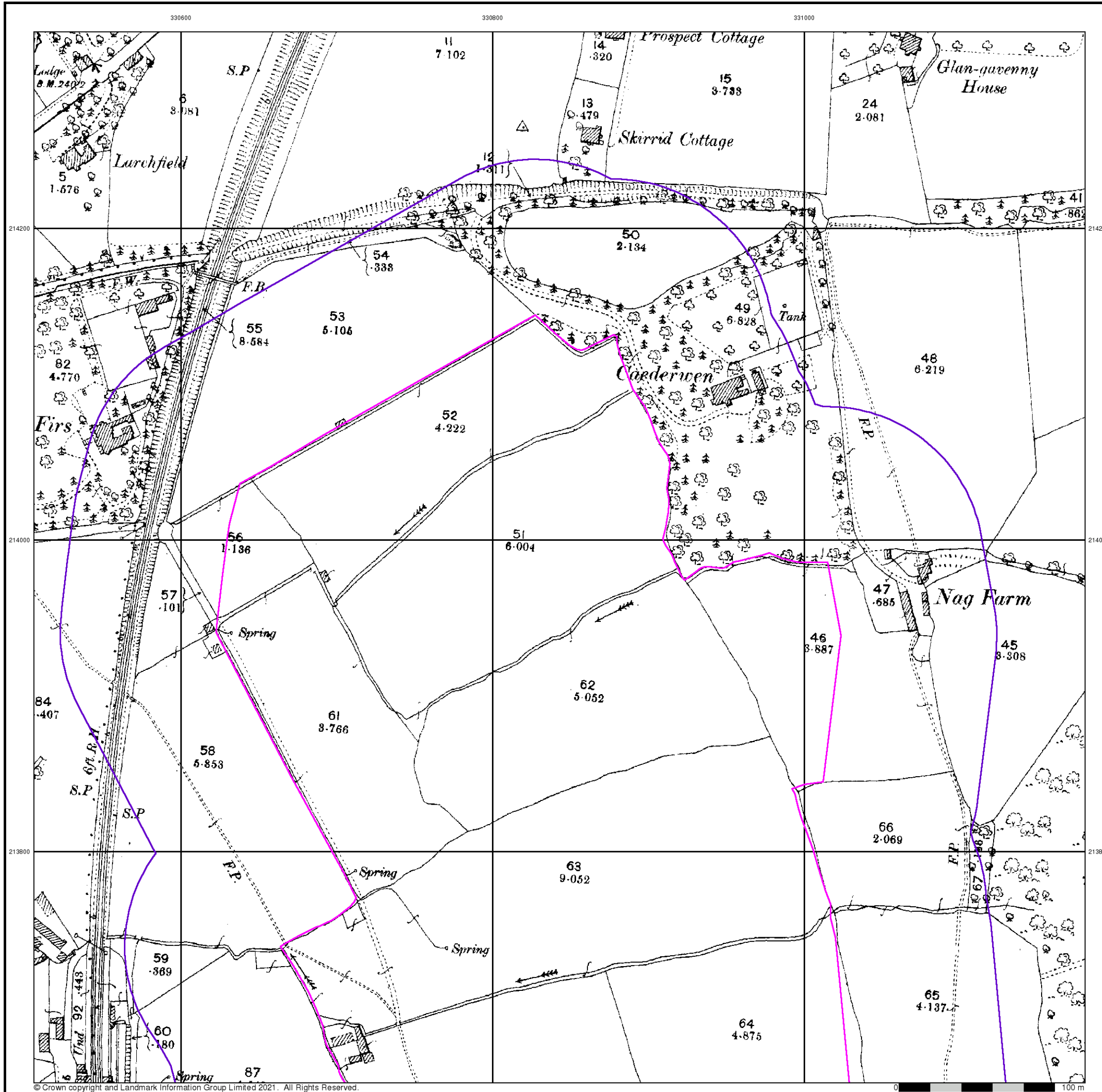


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG





# Intégral Géotechnique

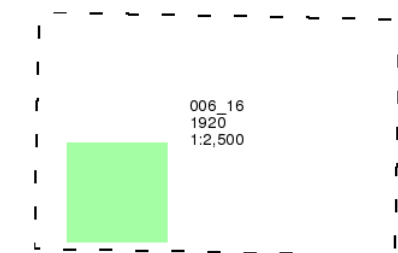
Monmouthshire

Published 1920

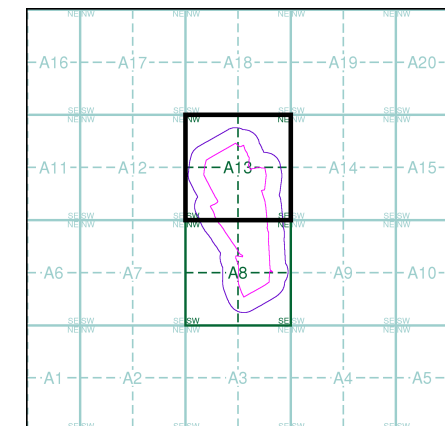
Source map scale - 1:2,500

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

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



## Historical Map - Segment A13



## Order Details

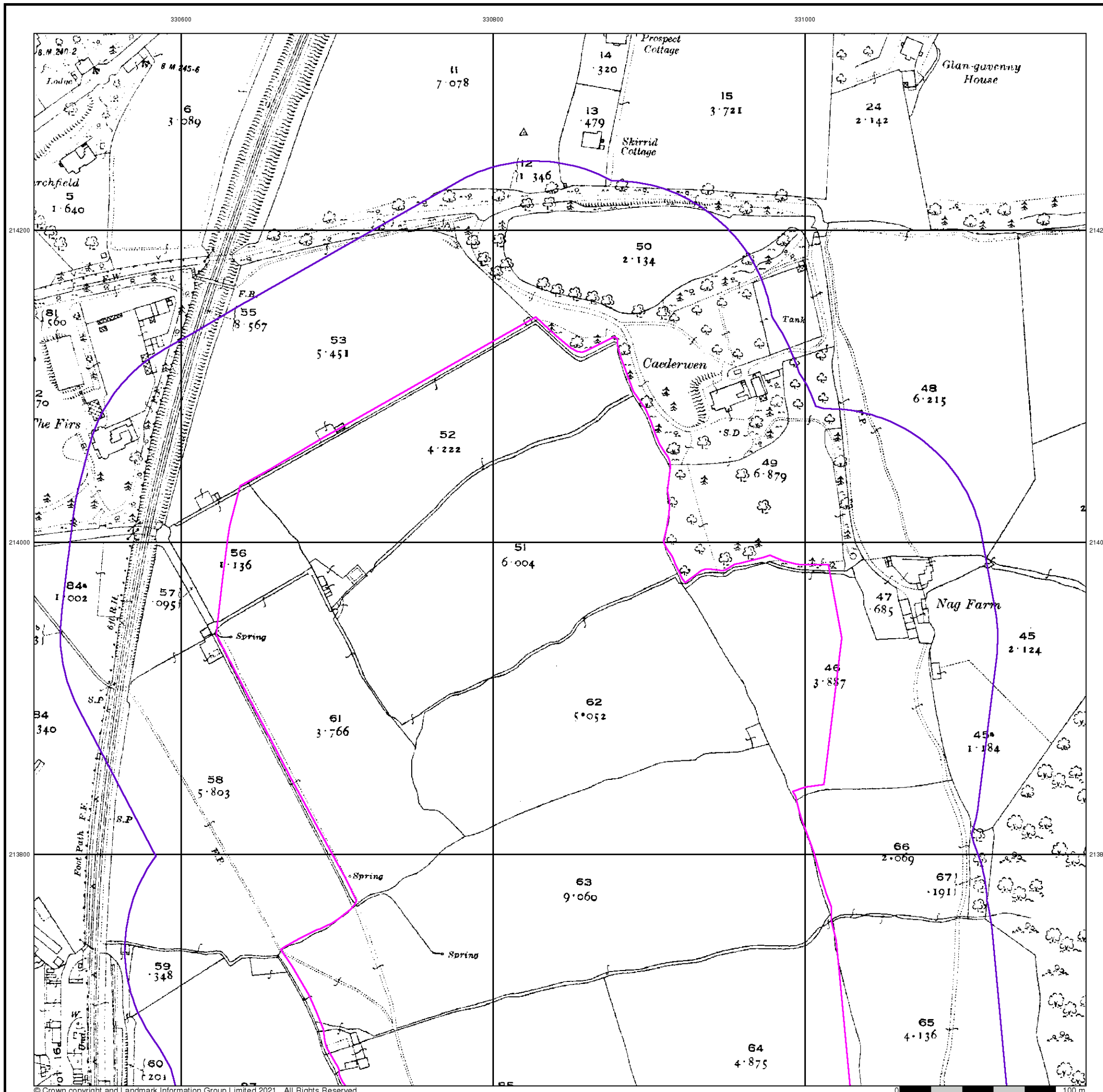
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

## Site Details

Land East of A465, Abergavenny, NP7 5LG

**Landmark**  
 INFORMATION GROUP

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





### Ordnance Survey Plan

Published 1965

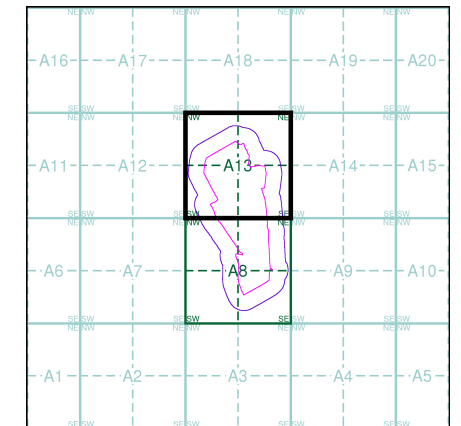
Source map scale - 1:2,500

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)

SO3014 1965 1:2,500	SO3114 1965 1:2,500
SO3013 1965 1:2,500	SO3113 1965 1:2,500

### Historical Map - Segment A13



### Order Details

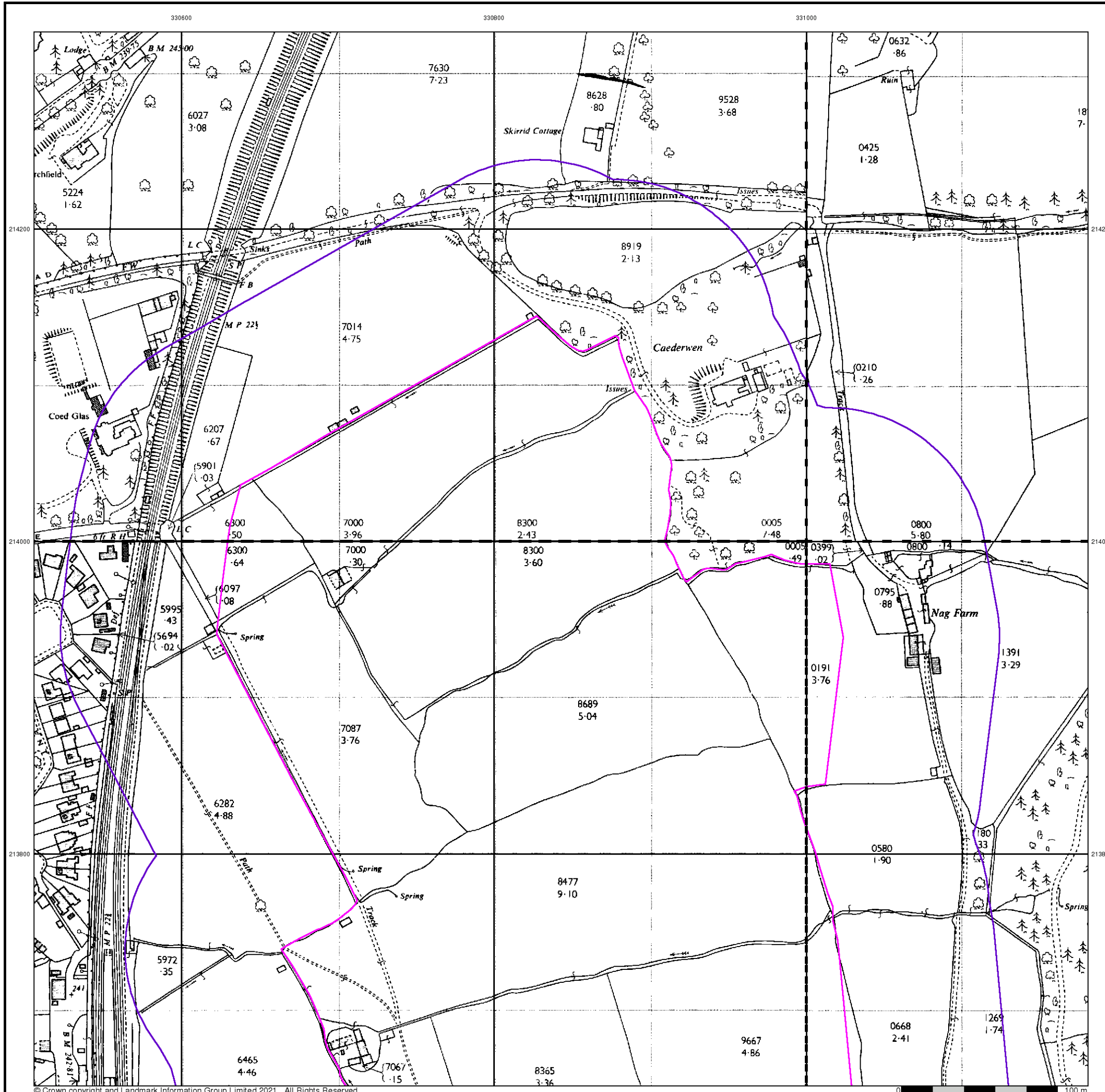
Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

### Site Details

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**Additional SIMs**

**Published 1965 - 1987**

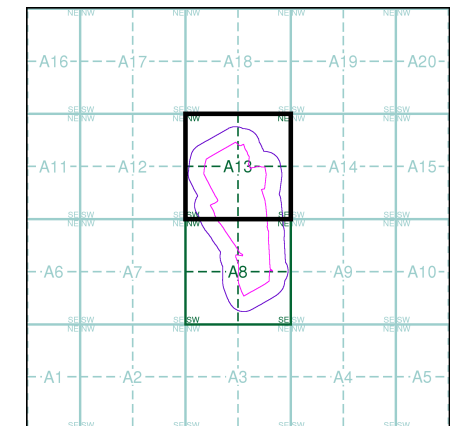
**Source map scale - 1:2,500**

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)**

SO3014	1987	1:2,500
SO3013	1965	1:2,500

**Historical Map - Segment A13**

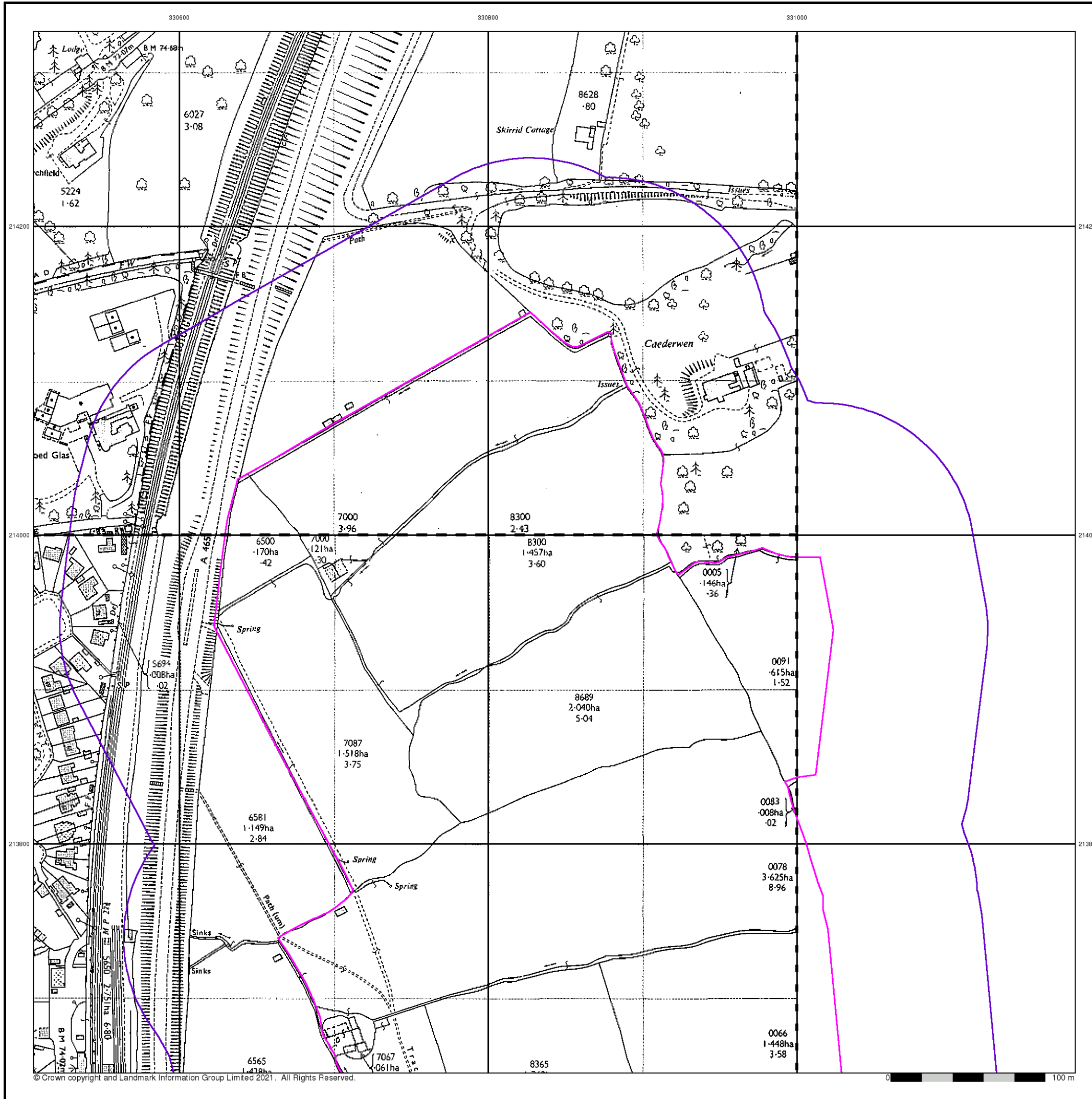


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG





**Supply of Unpublished Survey Information**

**Published 1975**

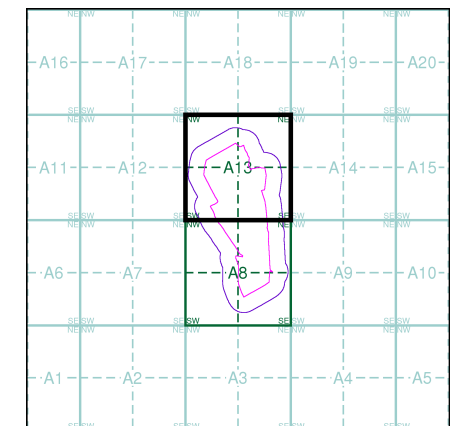
**Source map scale - 1:2,500**

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)**

SO3014 1975 1:2,500	SO3114 1975 1:2,500
SO3013 1975 1:2,500	SO3113 1975 1:2,500

**Historical Map - Segment A13**

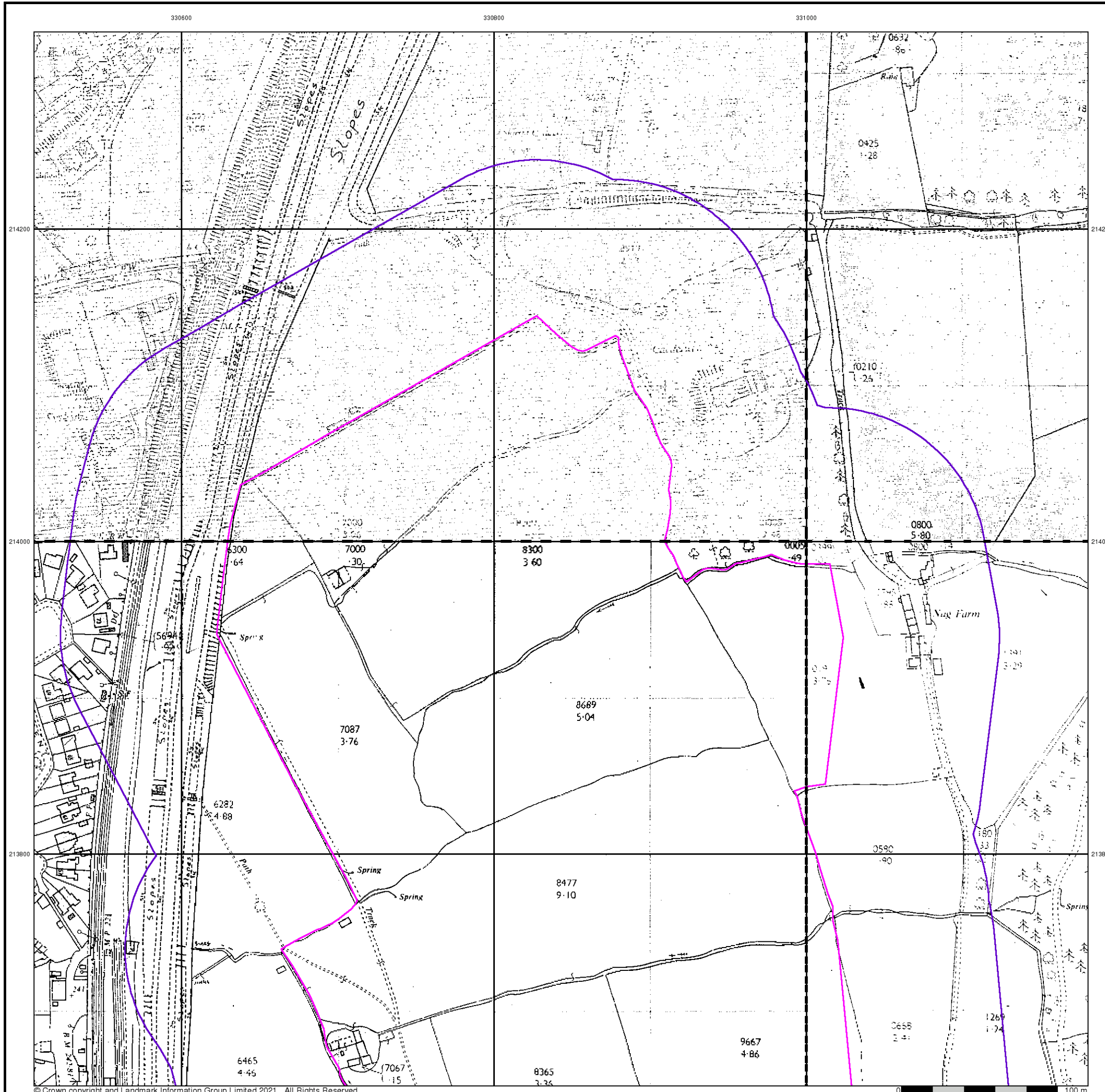


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG



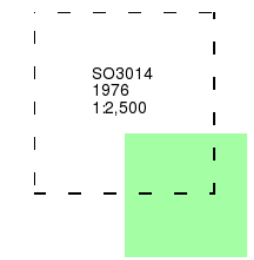
**Supply of Unpublished Survey Information**

**Published 1976**

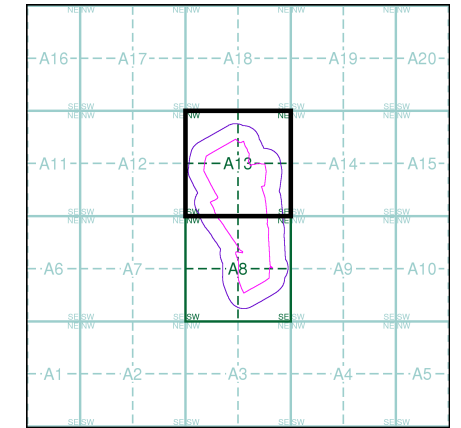
**Source map scale - 1:2,500**

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 A13**

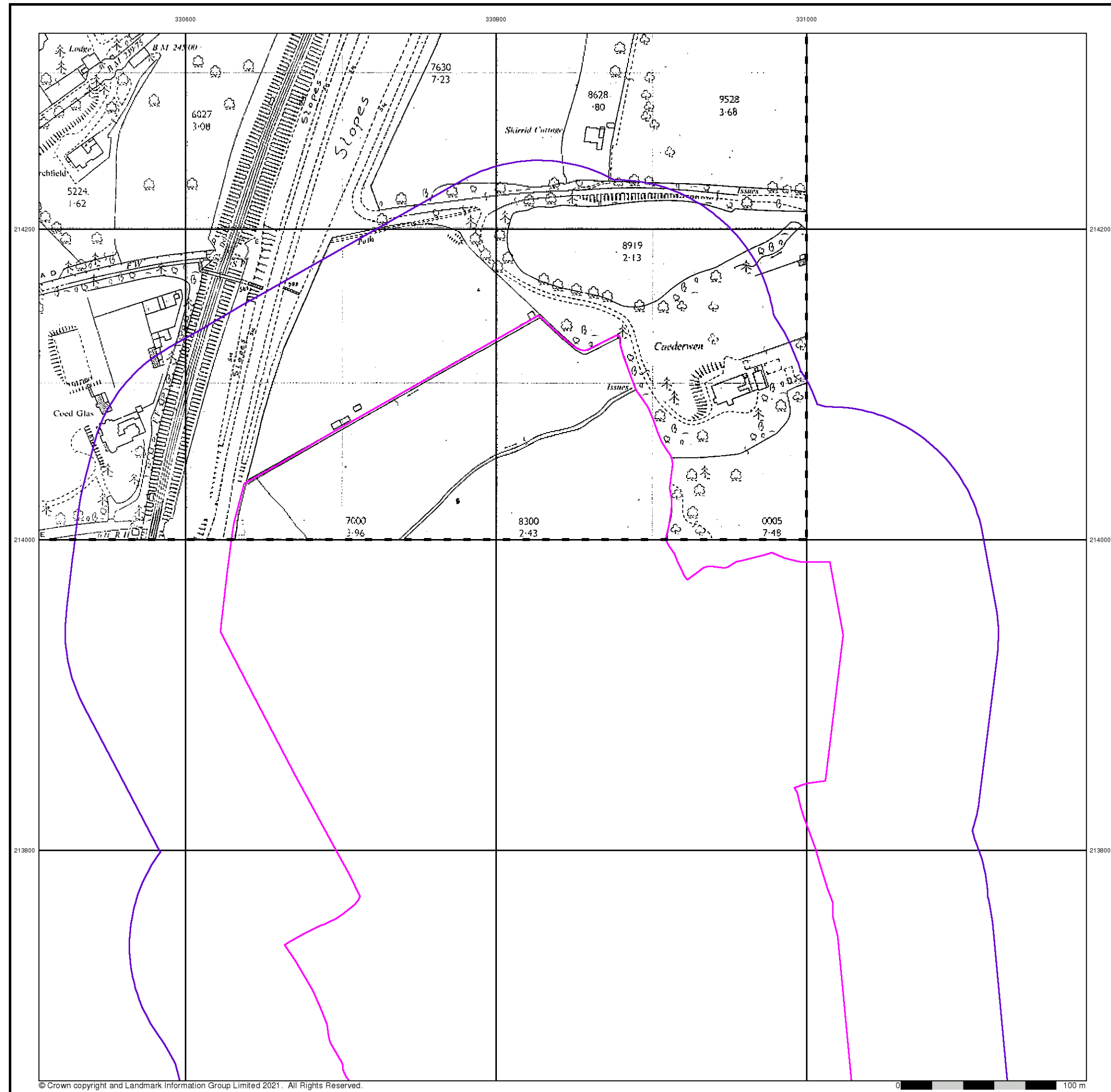


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

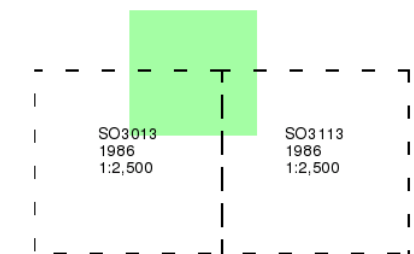
**Site Details**

Land East of A465, Abergavenny, NP7 5LG

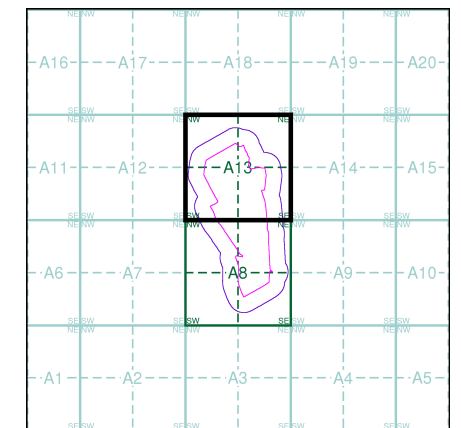


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**

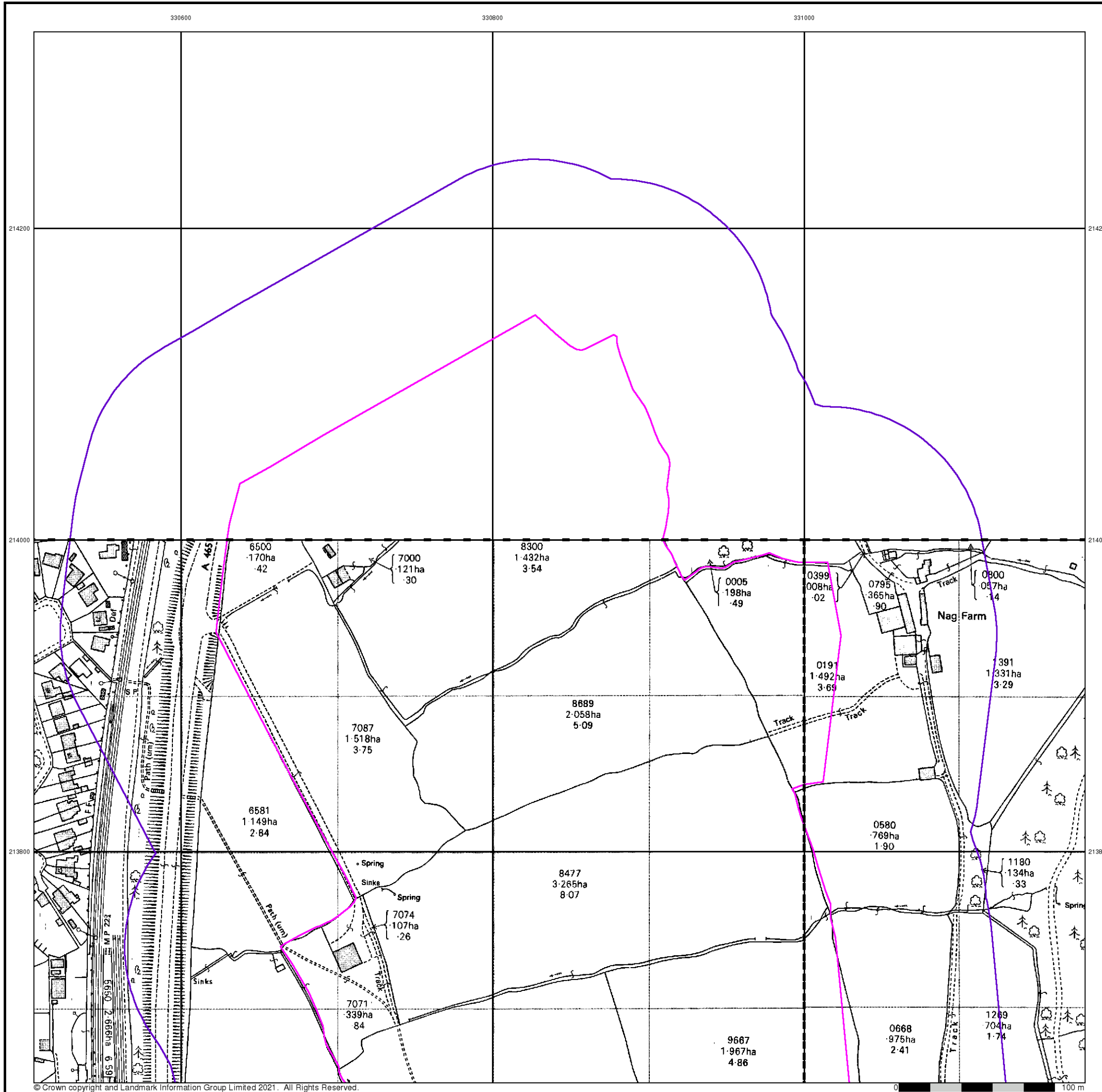


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG





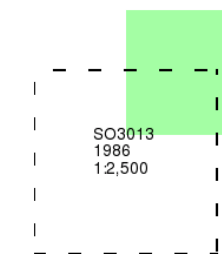
**Additional SIMs**

**Published 1986**

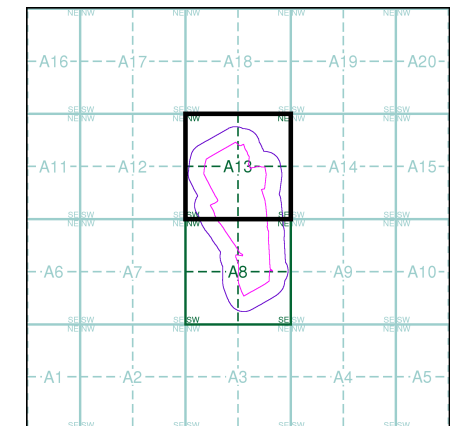
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**



**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG



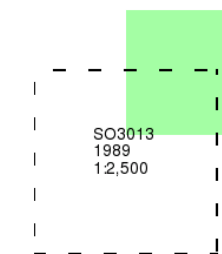
**Additional SIMs**

**Published 1989**

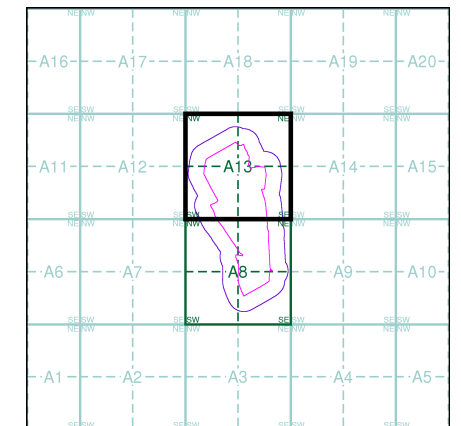
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**



**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG



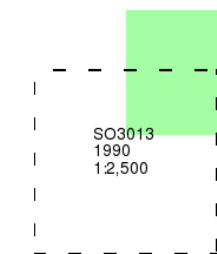
**Additional SIMs**

**Published 1990**

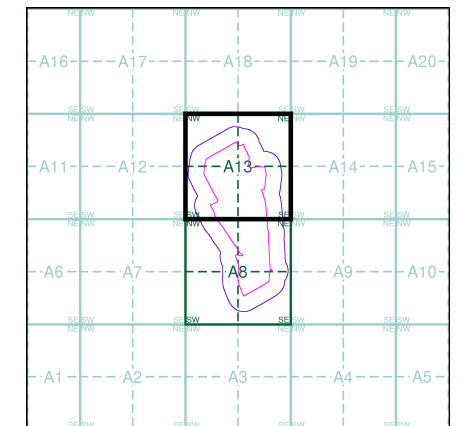
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**

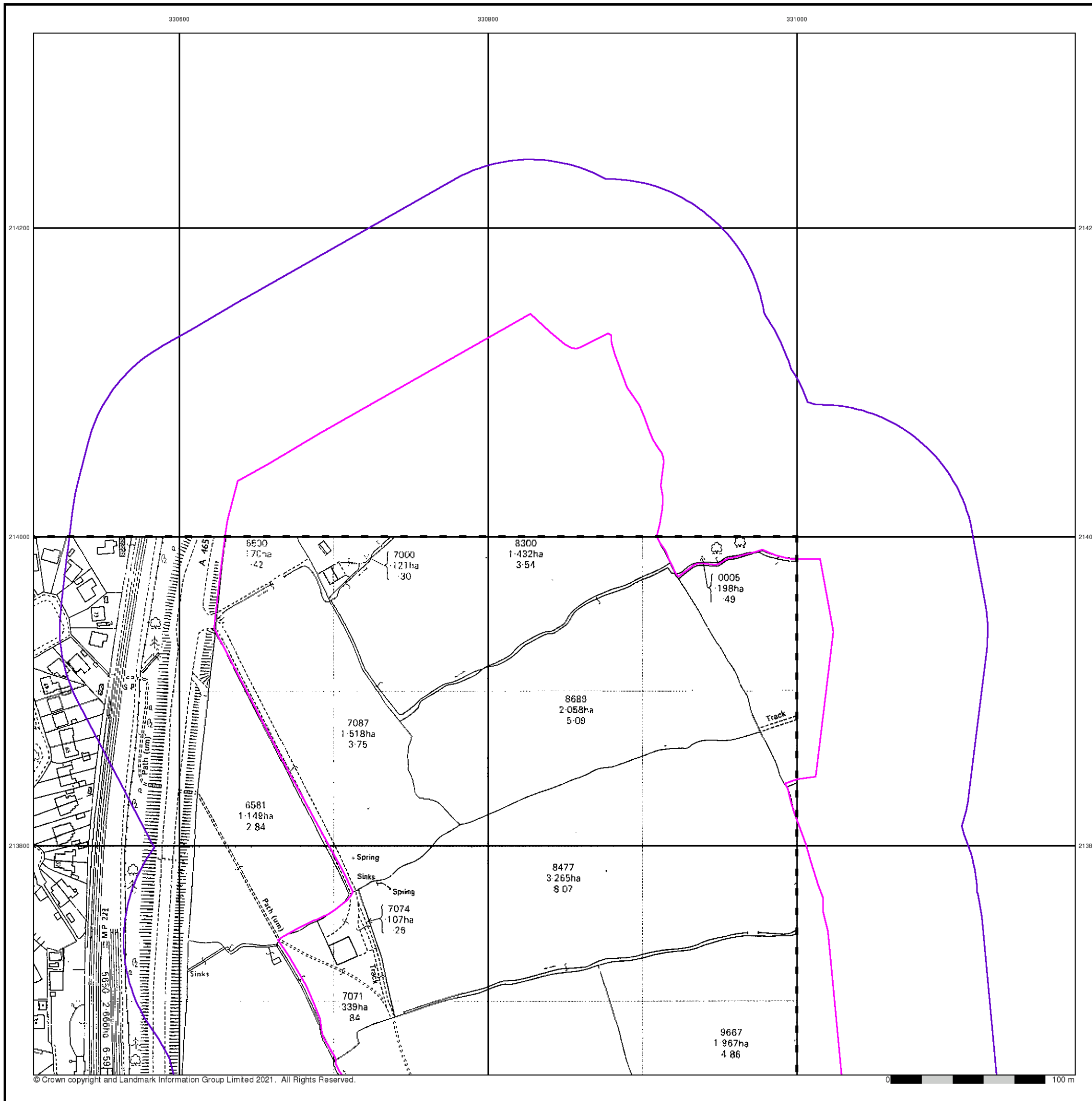


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG



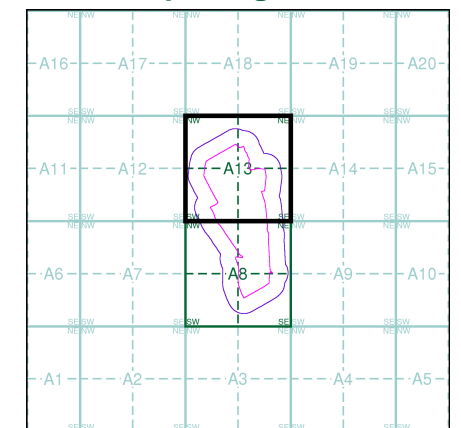


'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

**Map Name(s) and Date(s)**

SO3014	SO3114
1993	1993
12,500	12,500
SO3013	SO3113
1993	1993
12,500	12,500

**Historical Map - Segment A13**

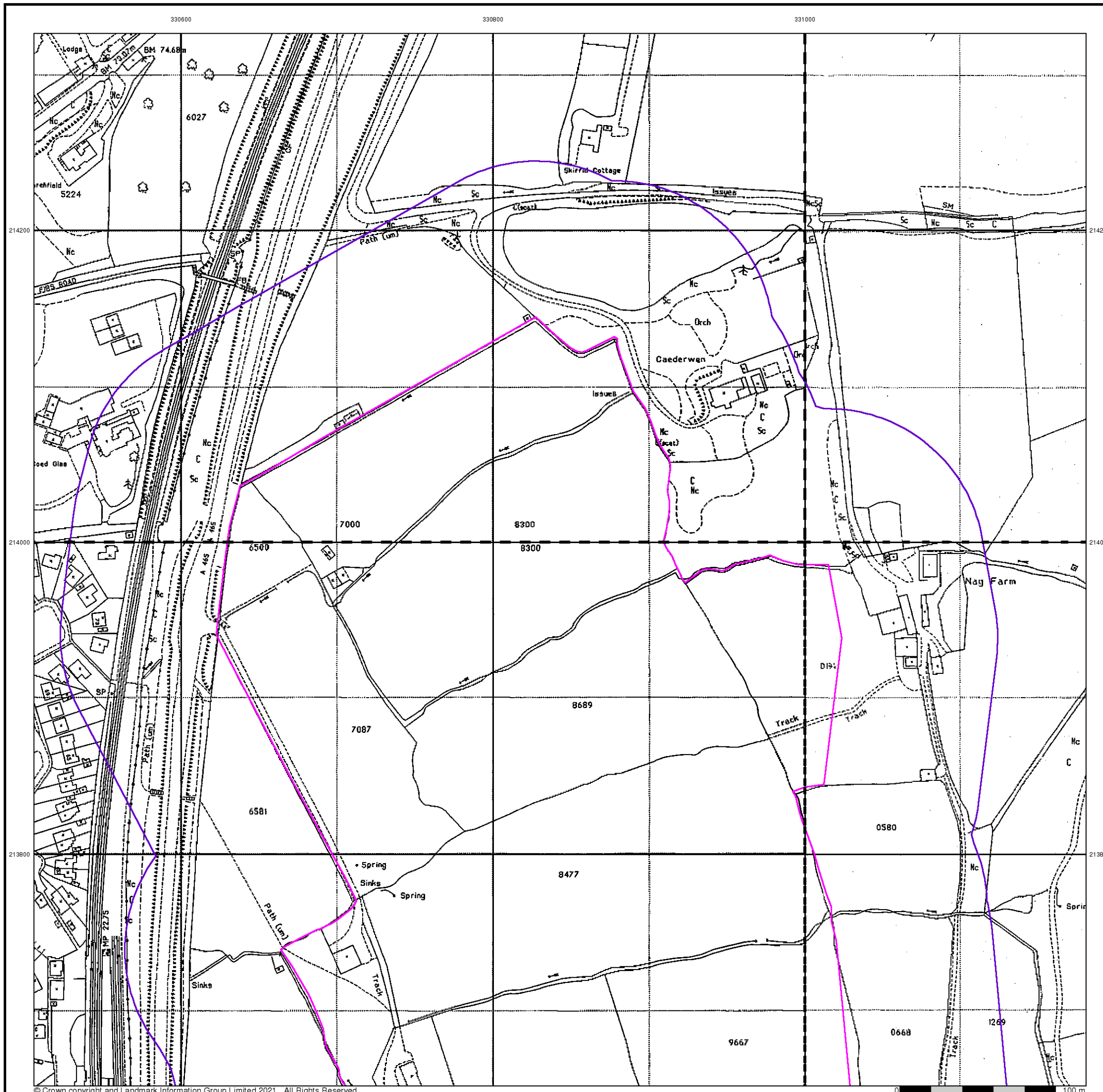


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

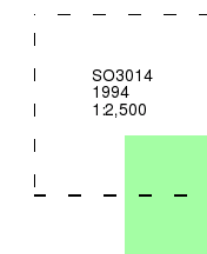
**Site Details**

Land East of A465, Abergavenny, NP7 5LG

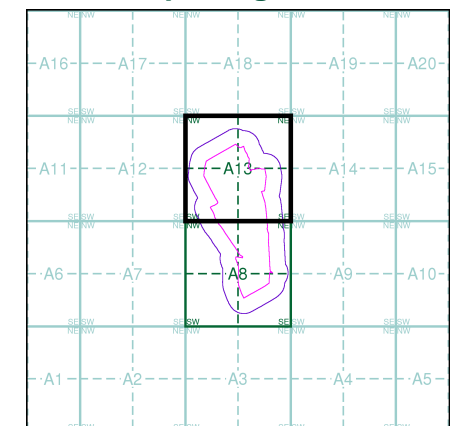


'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**



**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG

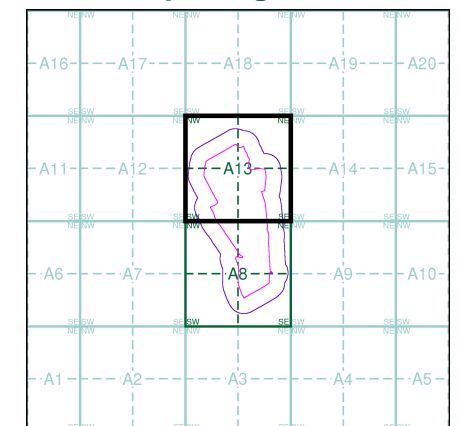


'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

**Map Name(s) and Date(s)**

SO3014	1996	1:2,500
SO3013	1996	1:2,500

**Historical Map - Segment A13**

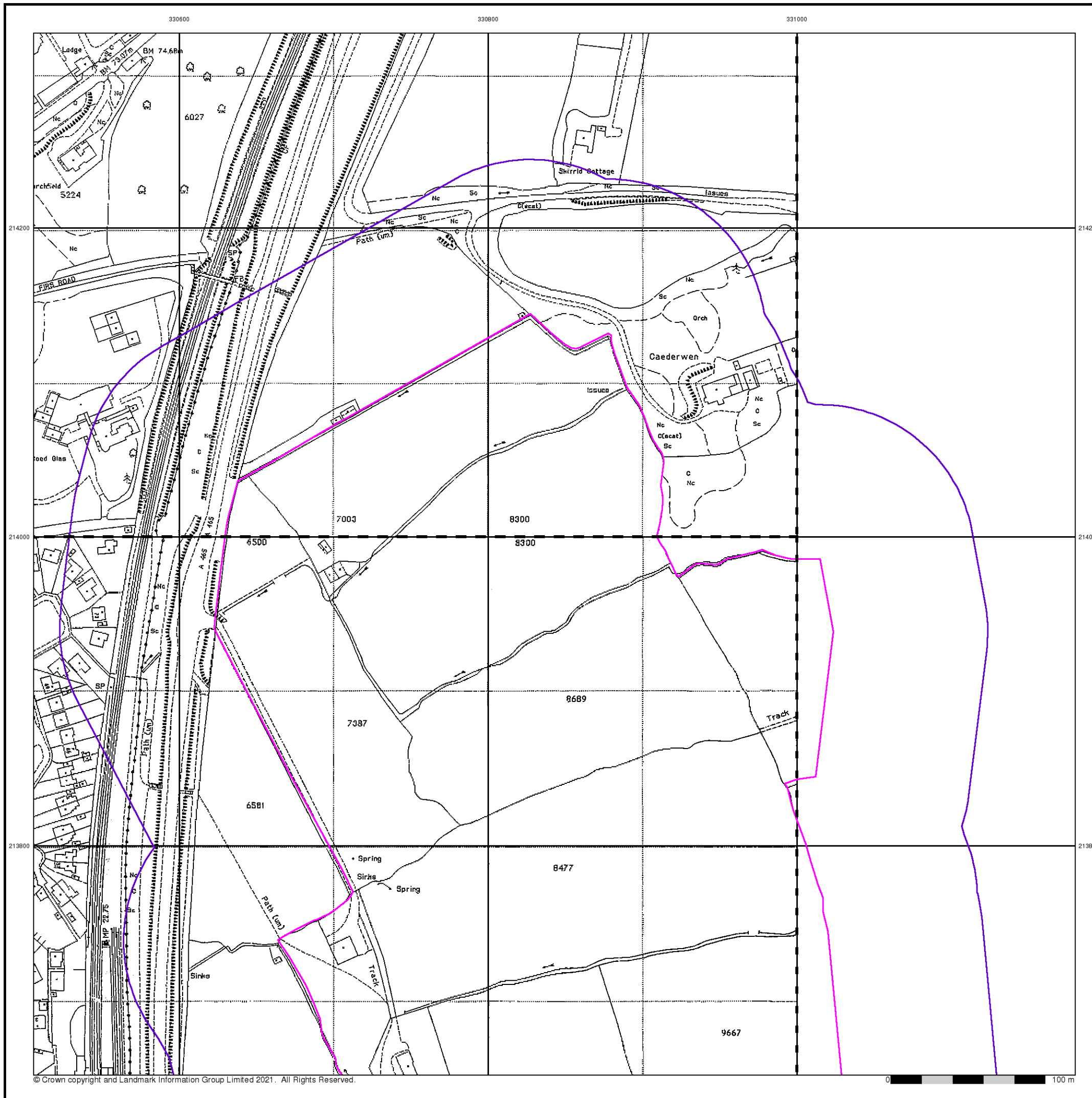


**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

**Site Details**

Land East of A465, Abergavenny, NP7 5LG





330600

330800

331000



### Historical Aerial Photography

Published 2001

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

214200

214200

214000

214000

213800

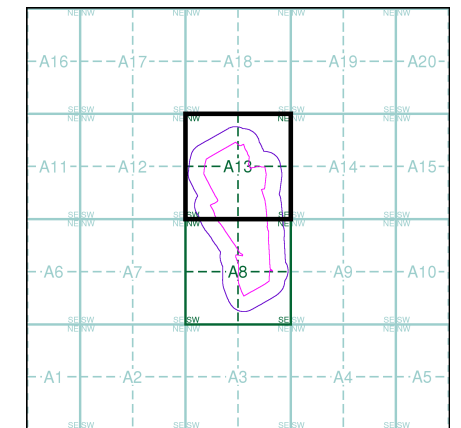
213800



© Copyright Getmapping plc

0 100 m

### Historical Aerial Photography - Segment A13



### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 100

### Site Details

Land East of A465, Abergavenny, NP7 5LG



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



## Envirocheck<sup>®</sup> Report:

### Mining and Ground Stability Datasheet

#### Order Details:

**Order Number:**

282534669\_1\_1

**Customer Reference:**

12898/LP

**National Grid Reference:**

330870, 213670

**Slice:**

A

**Site Area (Ha):**

24.92

**Search Buffer (m):**

500

#### Site Details:

Land East of A465

Abergavenny

NP7 5LG

#### Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

<b>Report Section and Details</b>	<b>Page Number</b>
<b>Summary</b>	-
<p>The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.</p> <p>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).</p>	
<b>Mining and Natural Cavities Data</b>	<b>1</b>
<p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.</p> <p>Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.</p>	
<b>Historical Land Use Information (1:2,500)</b>	<b>2</b>
<p>The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.</p> <p>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.</p>	
<b>Historical Land Use Information (1:10,000)</b>	<b>3</b>
<p>The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.</p> <p>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.</p>	
<b>Ground Stability Data (1:50,000)</b>	<b>4</b>
<p>The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.</p>	
<b>Historical Map List</b>	<b>5</b>
<p>The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.</p>	
<b>Data Currency</b>	<b>6</b>
<b>Data Suppliers</b>	<b>7</b>
<b>Useful Contacts</b>	<b>8</b>

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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

**Report Version v53.0**



<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>
<b>Mining and Natural Cavities Data</b>				
BGS Recorded Mineral Sites	pg 1		2	1
Coal Mining Affected Areas			n/a	n/a
Man Made Mining Cavities				
Mining Instability			n/a	n/a
Natural Cavities				
Non Coal Mining Areas of Great Britain	pg 1	Yes		n/a
Potential Mining Areas				
<b>Historical Land Use Information (1:2,500)</b>				
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2		1	n/a
Subterranean Features (100m)				n/a
<b>Historical Land Use Information (1:10,000)</b>				
Air Shafts				
Disturbed Ground				
General Quarrying	pg 3		2	
Heap, unknown constituents				
Mineral Railway				
Mining & quarrying general				
Mining of coal & lignite				
Quarrying of sand & clay, operation of sand & gravel pits	pg 3			2
Former Marshes				
Potentially Infilled Land (Non-Water)	pg 3		2	2
Potentially Infilled Land (Water)	pg 3		2	2
<b>Ground Stability Data (1:50,000)</b>				
CBSCB Compensation District			n/a	n/a
Brine Pumping Related Features				
Brine Subsidence Solution Area				
Potential for Collapsible Ground Stability Hazards	pg 4	Yes		n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes		n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes		n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes	Yes	n/a
Potential for Running Sand Ground Stability Hazards	pg 4	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes	Yes	n/a
Salt Mining Related Features				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Coldbrook Park            Location: Abergavenny, Gwent            Source: British Geological Survey, National Geoscience Information Service            Reference: 126339            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Devonian            Geology: St Maughans Formation            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	192	1	331244 213384
2	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Nag Farm            Location: Abergavenny, Gwent            Source: British Geological Survey, National Geoscience Information Service            Reference: 126340            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Devonian            Geology: St Maughans Formation            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A14SW (NE)	225	1	331246 213911
3	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Glan-Garennny House            Location: Abergavenny, Gwent            Source: British Geological Survey, National Geoscience Information Service            Reference: 126342            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Devonian            Geology: St Maughans Formation            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A14NW (NE)	446	1	331412 214187
	<p><b>Coal Mining Affected Areas</b></p> <p>In an area which may not be affected by coal mining</p>				
	<p><b>Non Coal Mining Areas of Great Britain</b></p> <p>Risk: Rare            Source: British Geological Survey, National Geoscience Information Service</p>	A13SE (SE)	0	1	330867 213670



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Extractive Industries or Potential Excavations from 1950-1980</b></p> <p>Use: Railway Cutting            First Map Published 1965            Date:            Last Map Published N/A            Date:</p>	A13NW (NW)	41	-	330586 214000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<b>General Quarrying</b> Use: Not Supplied Date of Mapping: 1886	A9NW (SE)	192	-	331238 213398
6	<b>General Quarrying</b> Use: Not Supplied Date of Mapping: 1886	A14SW (NE)	216	-	331238 213916
7	<b>Quarrying of sand &amp; clay, operation of sand &amp; gravel pits</b> Use: Not Supplied Date of Mapping: 1922	A14NW (NE)	290	-	331286 214088
8	<b>Quarrying of sand &amp; clay, operation of sand &amp; gravel pits</b> Use: Not Supplied Date of Mapping: 1902 - 1922	A14NW (NE)	428	-	331399 214176
9	<b>Potentially Infilled Land (Non-Water)</b> Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A9NW (SE)	192	-	331238 213398
10	<b>Potentially Infilled Land (Non-Water)</b> Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14SW (NE)	216	-	331238 213916
11	<b>Potentially Infilled Land (Non-Water)</b> Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14NW (NE)	290	-	331286 214088
12	<b>Potentially Infilled Land (Non-Water)</b> Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14NW (NE)	425	-	331406 214167
13	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (NW)	76	-	330552 213915
14	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (NW)	136	-	330511 213862
15	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A8SW (S)	322	-	330599 212996
16	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SE (N)	376	-	331120 214419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>CBSCB Compensation District</b> The site does not fall within the brine compensation area.				
	<b>Brine Subsidence Solution Area</b> The site does not fall within the brine subsidence solution area.				
17	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
18	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
19	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330889 213660
20	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	330998 213710
21	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	96	1	331000 214092
22	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NW (SW)	147	1	330678 213373
23	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	217	1	330608 214269
24	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8SE (S)	250	1	331137 213017
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A9NW (E)	171	1	331205 213640
25	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	2	1	331029 213705
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NW (SW)	147	1	330678 213373
26	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	330867 213670
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SE (S)	126	1	330949 213042
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A9NW (E)	171	1	331205 213640



The following mapping has been analysed for Historical Land Use Information (1:2,500):








<b>1:2,500</b>	<b>Mapsheet</b>	<b>Published Date</b>
Ordnance Survey Plan	SO3013	1965
Ordnance Survey Plan	SO3013	1965
Ordnance Survey Plan	SO3014	1965
Ordnance Survey Plan	SO3113	1965
Ordnance Survey Plan	SO3113	1965
Ordnance Survey Plan	SO3114	1965
Ordnance Survey Plan	SO3012	1971
Ordnance Survey Plan	SO3112	1971

The following mapping has been analysed for Historical Land Use Information (1:10,000):

<b>1:10,560</b>	<b>Mapsheet</b>	<b>Published Date</b>
Monmouthshire	006_00	1886
Monmouthshire	012_00	1886
Monmouthshire	006_SE	1902
Monmouthshire	012_NE	1902
Monmouthshire	012_NE	1922
Brecknockshire	042_00	1922
Monmouthshire	006_00	1938
Brecknockshire	042_00	1938
Monmouthshire	012_NE	1953
Ordnance Survey Plan	SO21NE	1964
Ordnance Survey Plan	SO21SE	1964
Ordnance Survey Plan	SO31NW	1964
Ordnance Survey Plan	SO31SW	1964
<b>1:10,000</b>	<b>Mapsheet</b>	<b>Published Date</b>
Ordnance Survey Plan	SO31NW	1977
Ordnance Survey Plan	SO31SW	1984
Ordnance Survey Plan	SO21NE	1986
Ordnance Survey Plan	SO21SE	1989

<b>Mining and Cavities Data</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Man Made Mining Cavities</b> Stantec UK Ltd	May 2021	Bi-Annually
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Natural Cavities</b> Stantec UK Ltd	May 2021	Bi-Annually
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Historical Land Use Information (1:2,500)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Subterranean Features</b> Landmark Information Group Limited	February 2020	Bi-Annually
<b>Ground Stability Data (1:50,000)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Brine Subsidence Solution Area</b> Johnson Poole & Bloomer	December 2020	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	



Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

### General

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

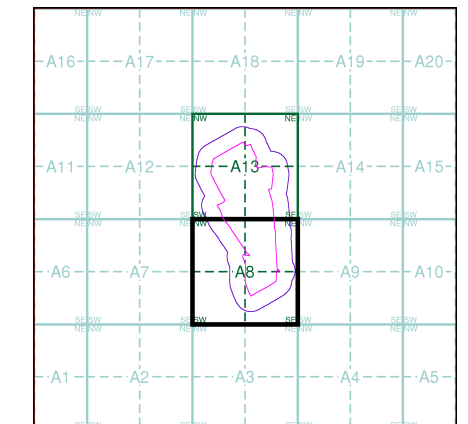
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1906 - 1937	▲	—	▩
Extractive Industries Activity from 1924 - 1949	▲	—	▧
Extractive Industries Activity from 1950 - 1980	▲	—	▨

### Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	■

### Mining and Ground Stability - Segment A8

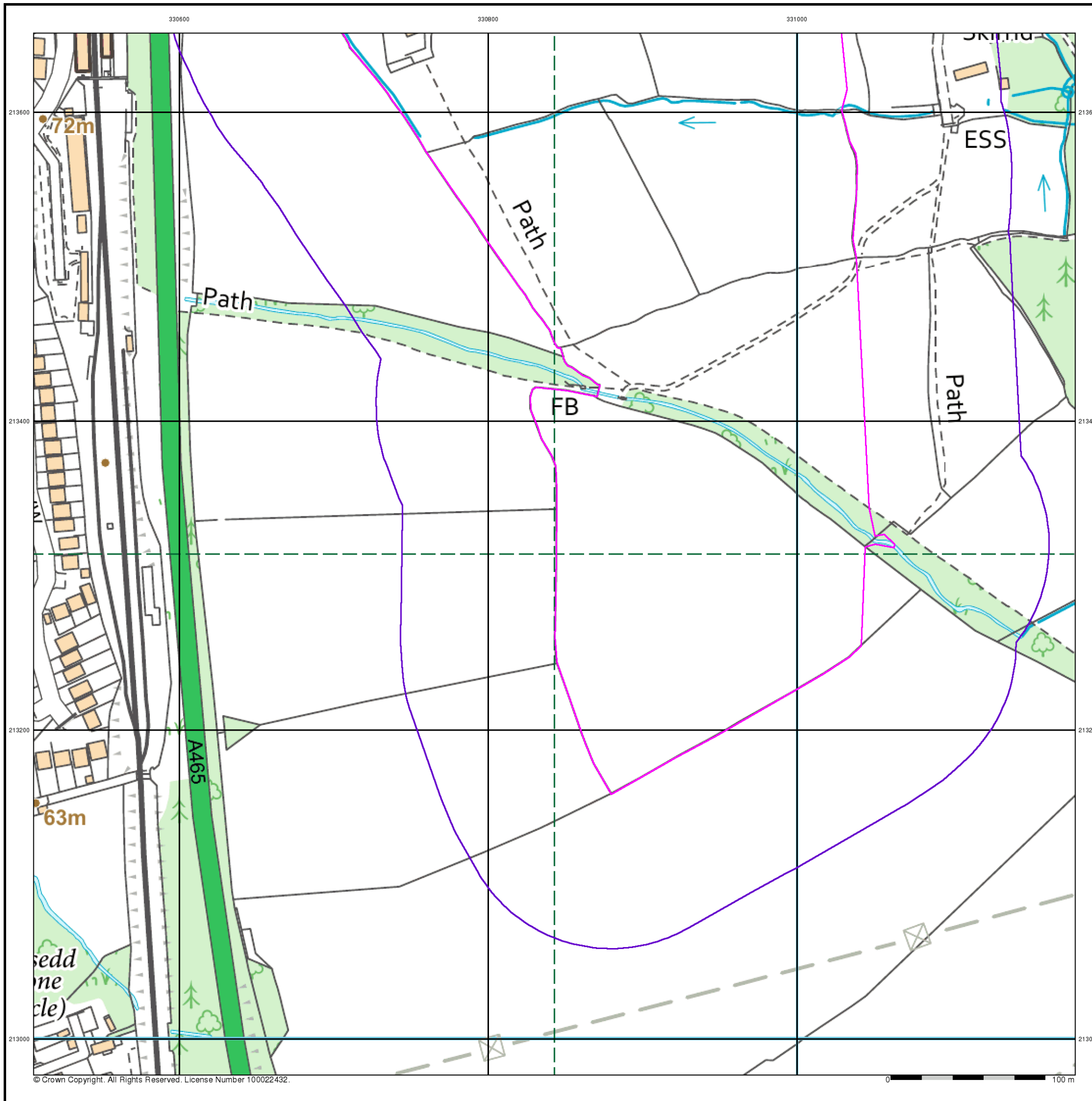


### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Plot Buffer (m): 100

### Site Details

Land East of A465, Abergavenny, NP7 5LG



### General

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

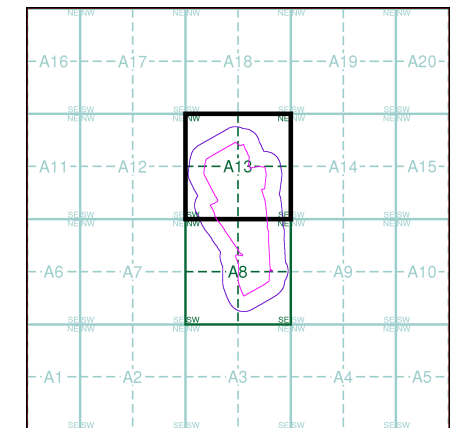
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1906 - 1937	▲	—	▩
Extractive Industries Activity from 1924 - 1949	▲	—	▧
Extractive Industries Activity from 1950 - 1980	▲	—	▨

### Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	■

### Mining and Ground Stability - Segment A13

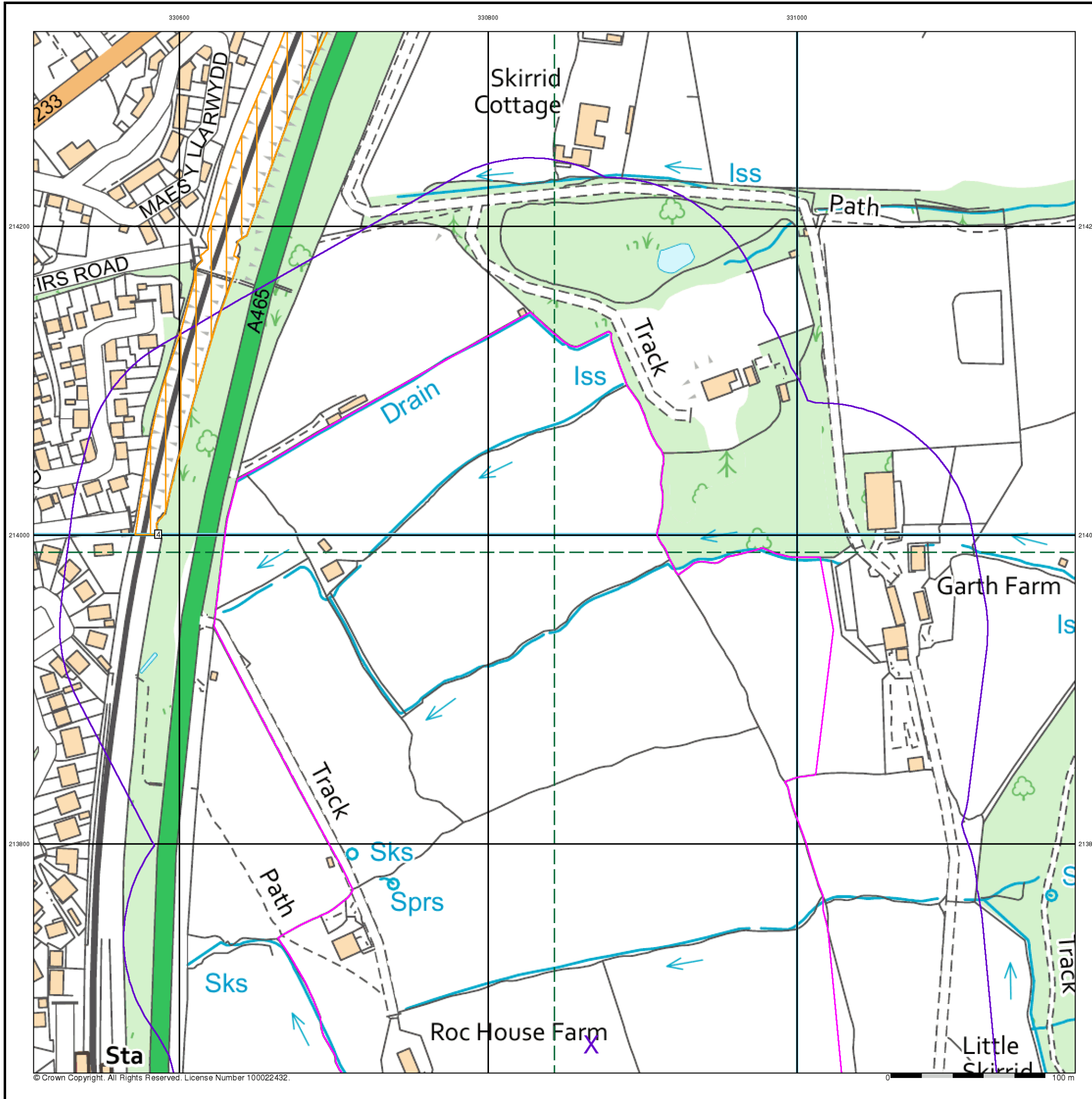


### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Plot Buffer (m): 100

### Site Details

Land East of A465, Abergavenny, NP7 5LG



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## Historical Land Use Information (1:10,000)

### General

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

### Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

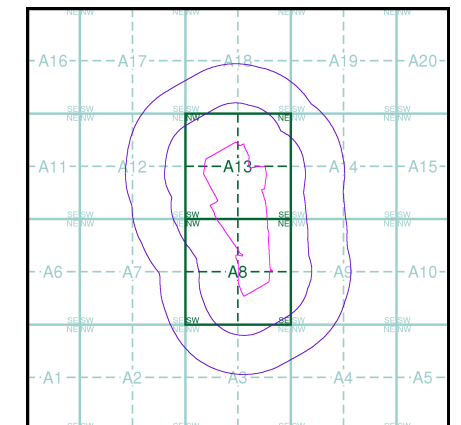
### Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

### Mining Data

- Potential Mining Area
- BGS Recorded Mineral Site

### Mining and Ground Stability - Slice A

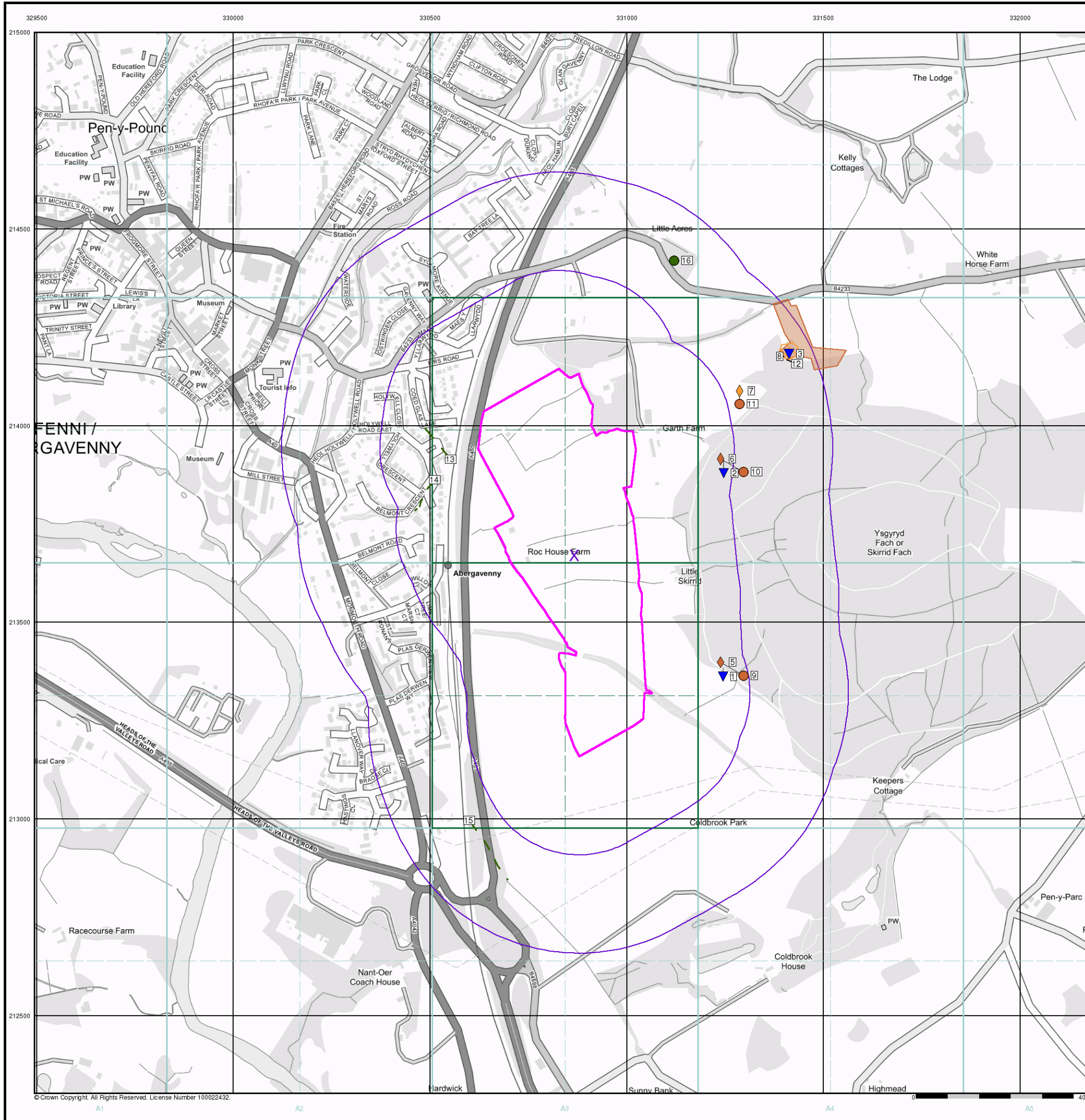


### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

### Site Details

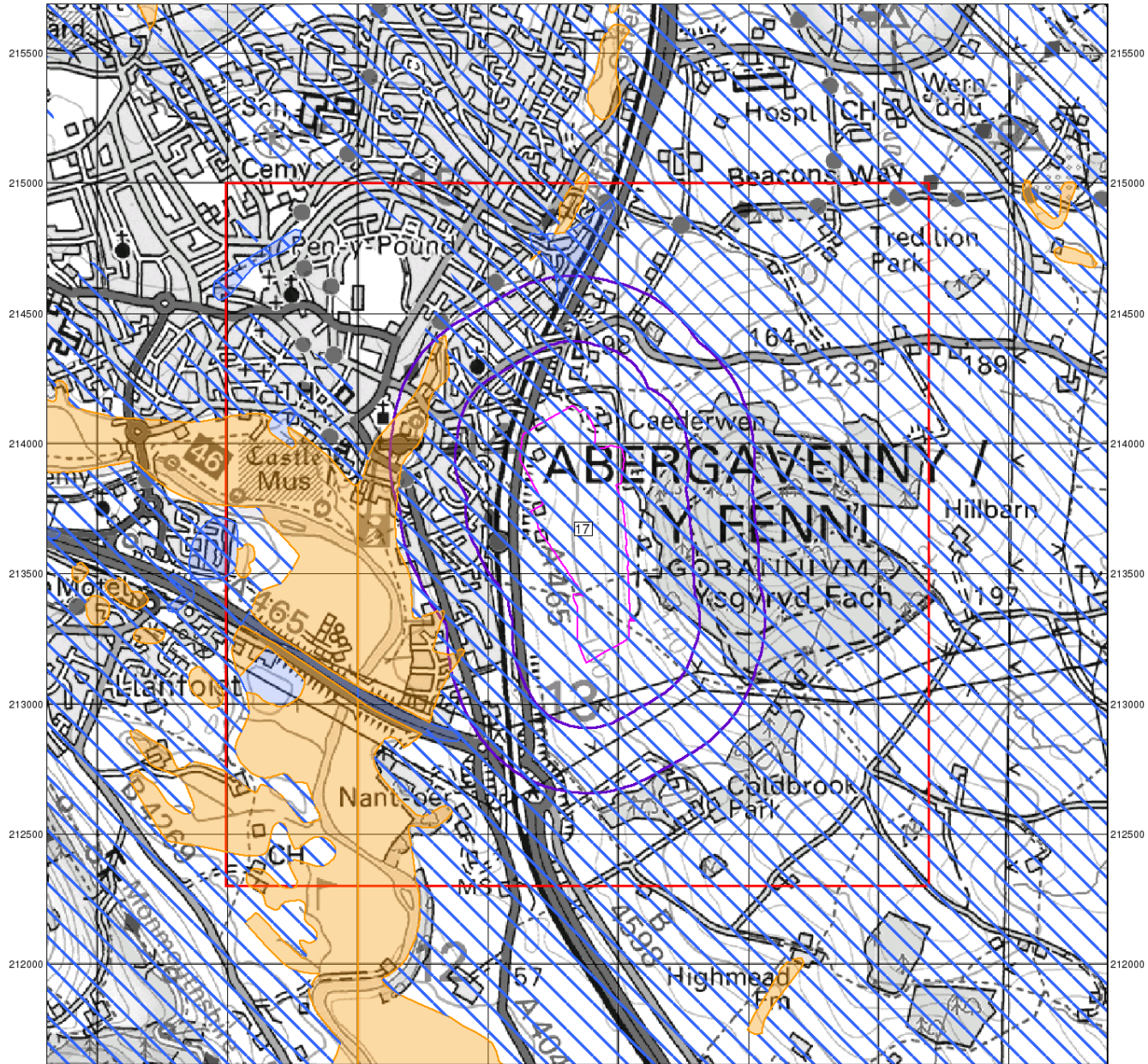
Land East of A465, Abergavenny, NP7 5LG



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# Intégral Géotechnique

## Ground Stability Data (1:50,000)

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

### Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

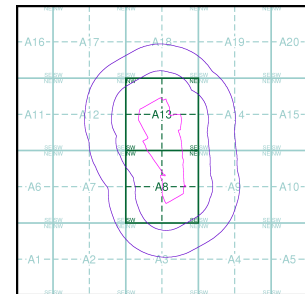
### Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

### Brine Pumping and Salt Mining

- |                               |       |         |
|-------------------------------|-------|---------|
| Brine Pumping Related Feature | Point | Polygon |
| Salt Mining Related Feature   | ▲     | ▧       |
|                               | ▲     | ▨       |

### Mining and Ground Stability - Slice A



### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

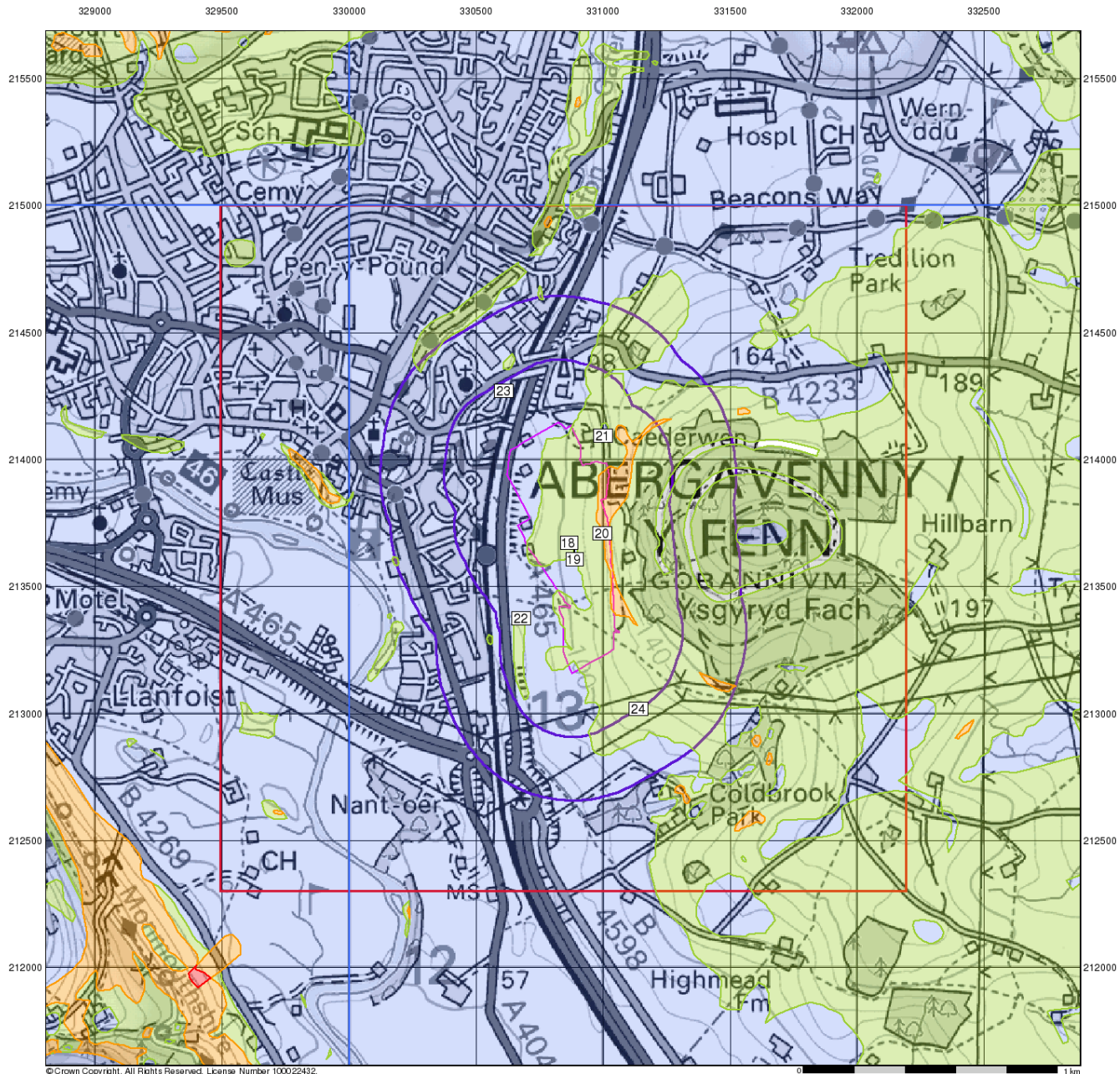
### Site Details

Land East of A465, Abergavenny, NP7 5LG

**Landmark**  
 INFORMATION GROUP

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





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# Intégral Géotechnique

## Ground Stability Data (1:50,000)

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

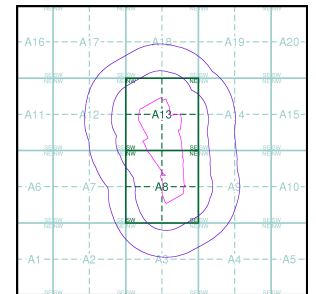
### Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

### Potential for Ground Dissolution Stability Hazards

- High
- Moderate
- Low
- Very Low

### Mining and Ground Stability - Slice A



### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

### Site Details

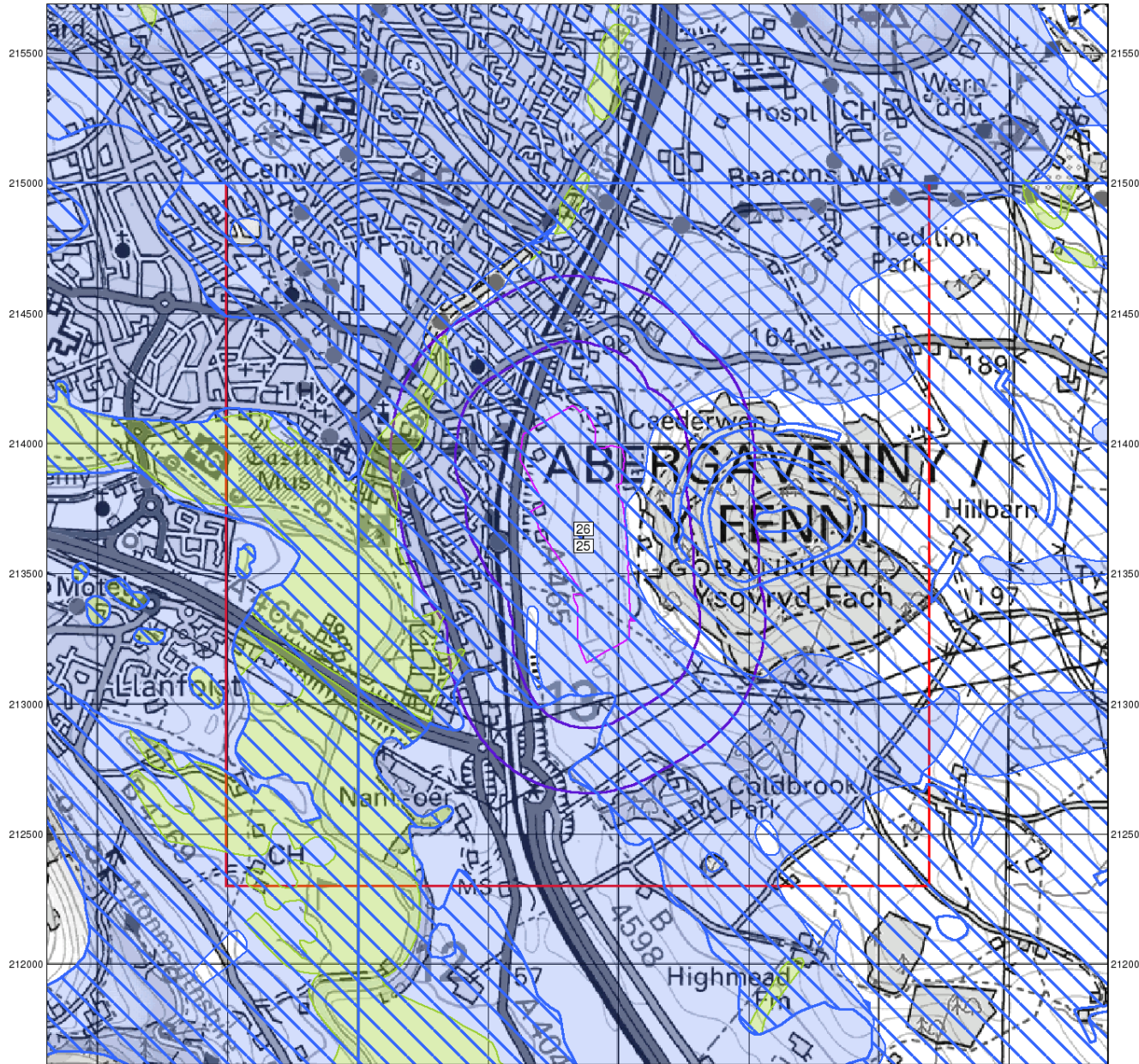
Land East of A465, Abergavenny, NP7 5LG

**Landmark**  
 INFORMATION GROUP

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



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# Intégral Géotechnique

## Ground Stability Data (1:50,000)

### General

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

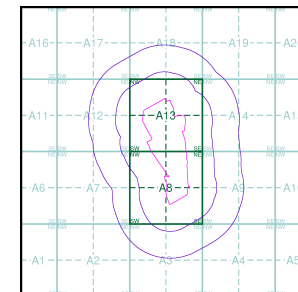
### Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Mining and Ground Stability - Slice A



### Order Details

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213670  
 Slice: A  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

### Site Details

Land East of A465, Abergavenny, NP7 5LG

**Landmark**  
 INFORMATION GROUP

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

**Index Map**

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

**Slice**

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

**Segment**

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

**Quadrant**

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

**Client Details**

MR H Pritchard, Integral Geotechnique, Integral House, 7 Beddau Way, Castlegate Business Park, Caerphilly, CF83 2AX

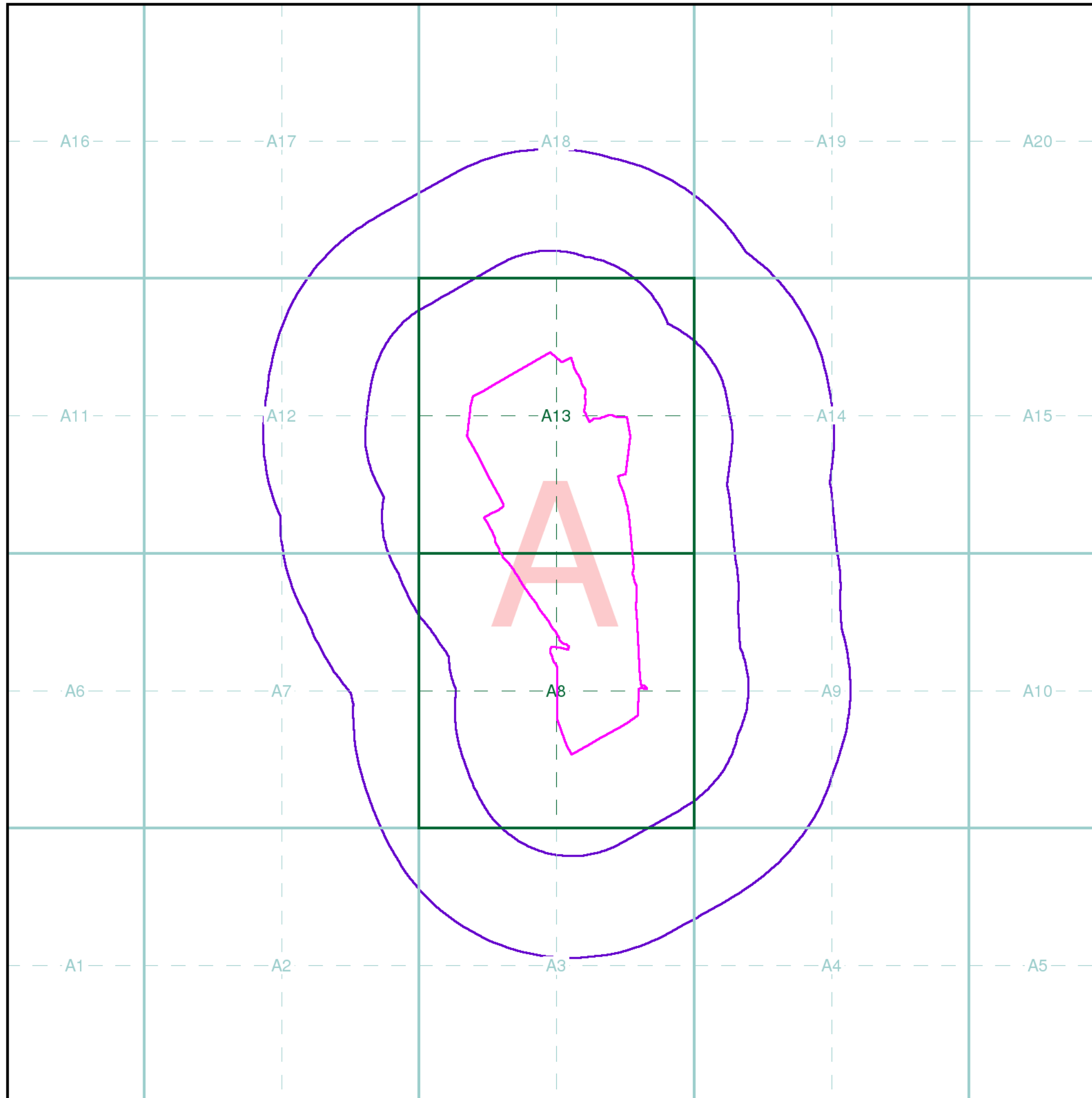
**Order Details**

Order Number: 282534669\_1\_1  
 Customer Ref: 12898/LP  
 National Grid Reference: 330870, 213700  
 Site Area (Ha): 24.92  
 Search Buffer (m): 500

**Site Details**

Land East of A465, Abergavenny, NP7 5LG

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



## **APPENDIX C**

### **BGS RADON REPORT**



Laura Pullin  
Integral Geotechnique (Wales) Limited  
Integral House  
7 Beddau Way  
Caerphilly  
CF83 2AX

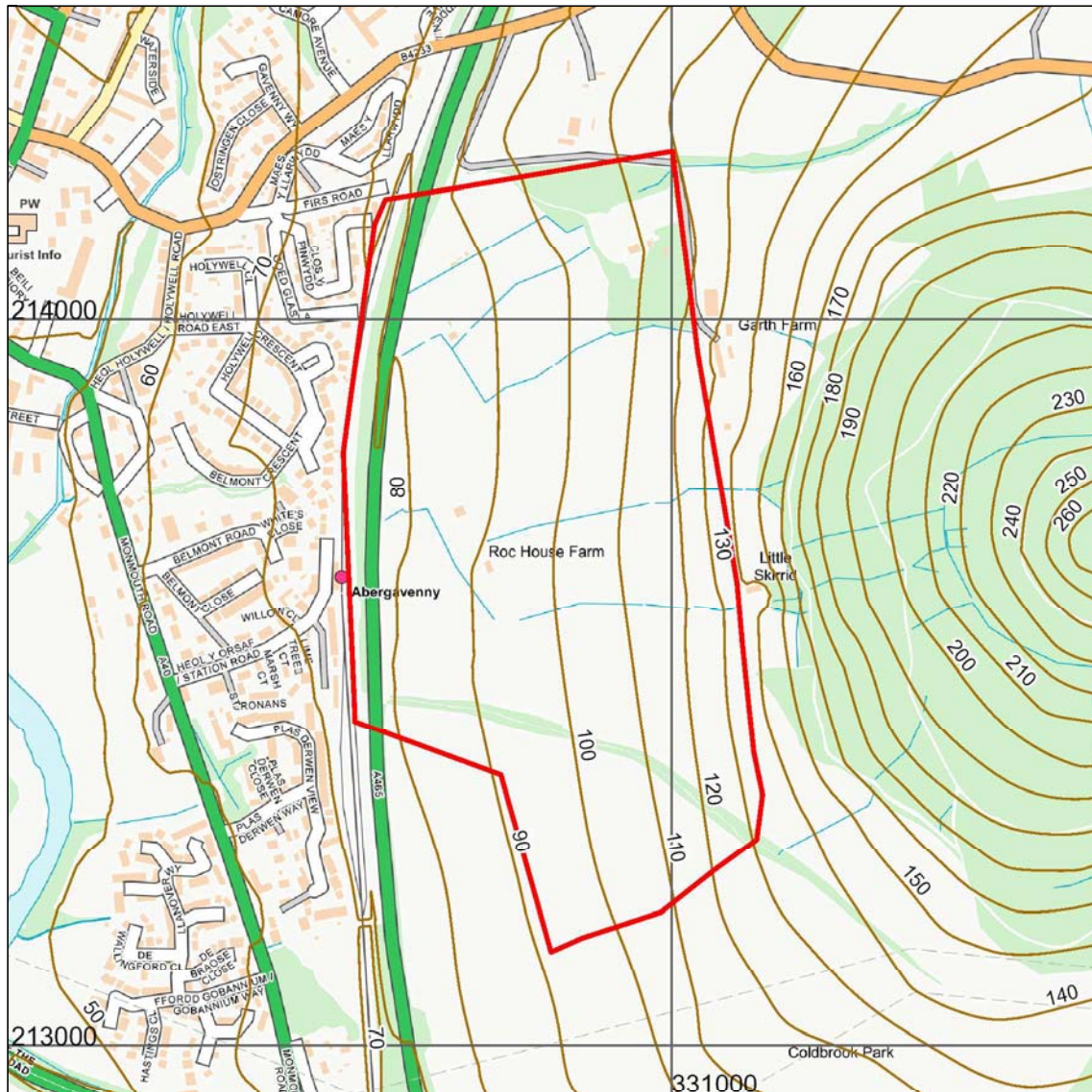
## Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: *BGS\_319225/24846*

Client reference: 12898/LP Abergavenny

## Search location



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**Search location indicated in red**

*This report describes a site located at National Grid Reference 330836, 213680. Note that for sites of irregular shape, this point may lie outside the site boundary. Where the client has submitted a site plan the assessment will be based on the area given.*

## Radon Report: UK

When extensions are made to existing buildings in high radon areas, or new buildings are constructed in these areas, the Building Regulations for England, Wales, Scotland and Northern Ireland require that protective measures are taken against radon entering the building.

This report provides information on whether radon protective measures are required. Depending on the probability of buildings having high radon levels, the Regulations may require either:

1. No protective measures
2. Basic protective measures
3. Full protective measures

This is an advisory report on the requirement for radon protective measures in new buildings, conversions and extensions. The report also indicates whether a site is located within a radon Affected Area

### Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2015 edition)*, which also provides guidance on what to do if the result indicates that protective measures are required.

**Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2015 edition) Radon: Guidance on protective measures for new buildings?**

**NO RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.**

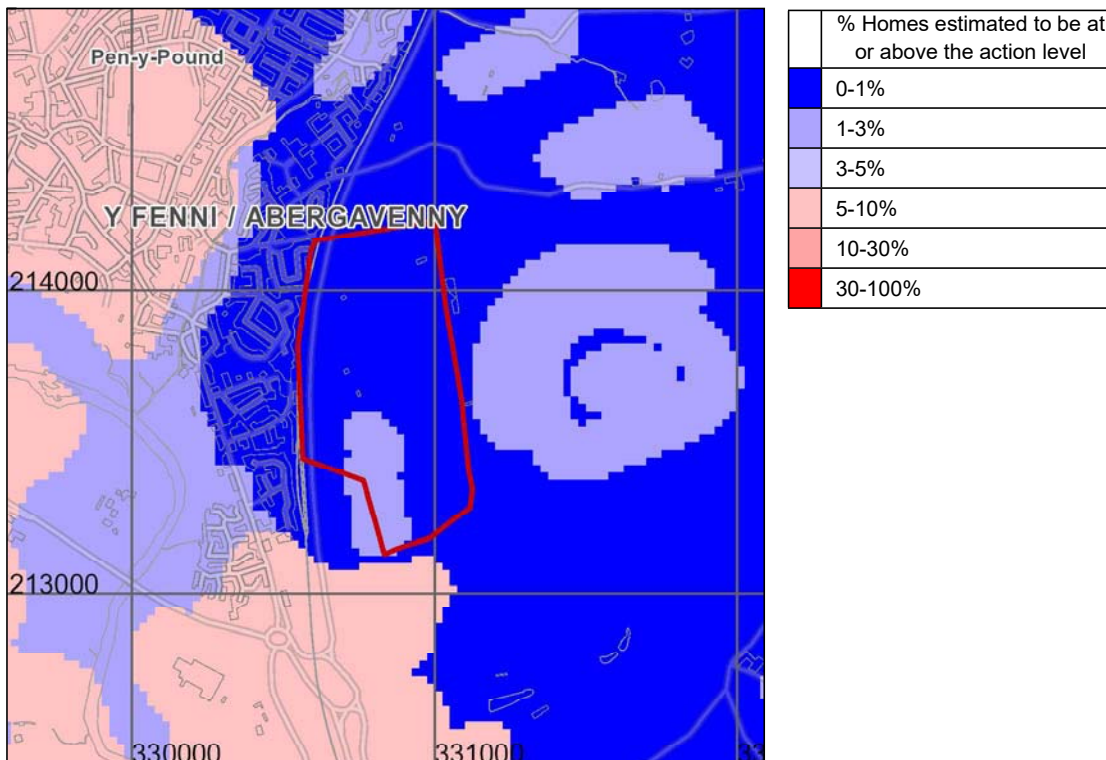
More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2015 Edition)*. Additional information and guidance is available from the Building Research Establishment website (<http://www.bre.co.uk/radon/>).

Whether or not the radon level in a building is above or below the radon Action Level can only be established by having the building tested. The PHE provides a radon testing service which can be accessed at [www.ukradon.org](http://www.ukradon.org) or by telephone (01235 822622).

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.



## Radon Affected Area



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Scale: 1:25 000 (1cm = 250 m)

Search area indicated in red

**Is the property in a radon Affected Area as defined by Public Health England (PHE) and if so what percentage of homes are estimated to be above the Action Level? YES**

### Additional Information

**THE PROPERTY IS IN A RADON AFFECTED AREAS WHERE 1 TO 3% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL.**

PHE recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air ( $\text{Bq m}^{-3}$ ) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to exceed the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a radon problem in the property; the only way to find out whether the radon level is above or below the Action Level is to carry out a radon measurement.

PHE advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels above the Action Level (200 Bq m<sup>-3</sup>) should be remediated. Householders with levels between the Target Level (100 Bq m<sup>-3</sup>) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. PHE provides a validated radon testing service which can be accessed at [www.ukradon.org](http://www.ukradon.org).

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a “Radon Affected Area” as identified by PHE. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from PHE at [www.ukradon.org](http://www.ukradon.org).

## What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre ( $\text{Bq m}^{-3}$ ). The Government advises householders that, where the radon level exceeds the Action Level, measures should be taken to reduce the concentration.

## Radon in workplaces

The Ionising Radiation Regulations, 1999, require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**. BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: [bookshop@bre.co.uk](mailto:bookshop@bre.co.uk) website: [www.brebookshop.com](http://www.brebookshop.com)



## Contact Details

### ***Keyworth Office***

British Geological Survey  
Environmental Science Centre  
Nicker Hill  
Keyworth  
Nottingham  
NG12 5GG  
Tel: 0115 9363143  
Email: [enquiries@bgs.ac.uk](mailto:enquiries@bgs.ac.uk)

### ***Wallingford Office***

British Geological Survey  
Maclean Building  
Wallingford  
Oxford  
OX10 8BB  
Email: [enquiries@bgs.ac.uk](mailto:enquiries@bgs.ac.uk)

### ***Edinburgh Office***

British Geological Survey  
Lyell Centre  
Research Avenue South  
Edinburgh  
EH14 4AP  
Tel: 0131 6671000  
Email: [enquiry@bgs.ac.uk](mailto:enquiry@bgs.ac.uk)

## Terms and Conditions

### General Terms & Conditions

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### Important notes about this Report

- The data, information and related records supplied in this Report by BGS can only be indicative and should not be taken as a substitute for specialist interpretations, professional advice and/or detailed site investigations. You must seek professional advice before making technical interpretations on the basis of the materials provided.
- Geological observations and interpretations are made according to the prevailing understanding of the subject at the time. The quality of such observations and interpretations may be affected by the availability of new data, by subsequent advances in knowledge, improved methods of interpretation, and better access to sampling locations.
- Raw data may have been transcribed from analogue to digital format, or may have been acquired by means of automated measuring techniques. Although such processes are subjected to quality control to ensure reliability where possible, some raw data may have been processed without human intervention and may in consequence contain undetected errors.
- Detail, which is clearly defined and accurately depicted on large-scale maps, may be lost when small-scale maps are derived from them.
- Although samples and records are maintained with all reasonable care, there may be some deterioration in the long term.
- The most appropriate techniques for copying original records are used, but there may be some loss of detail and dimensional distortion when such records are copied.
- Data may be compiled from the disparate sources of information at BGS's disposal, including material donated to BGS by third parties, and may not originally have been subject to any verification or other quality control process.
- Data, information and related records, which have been donated to BGS, have been produced for a specific purpose, and that may affect the type and completeness of the data recorded and any interpretation. The nature and purpose of data collection, and the age of the resultant material may render it unsuitable for certain applications/uses. You must verify the suitability of the material for your intended usage.
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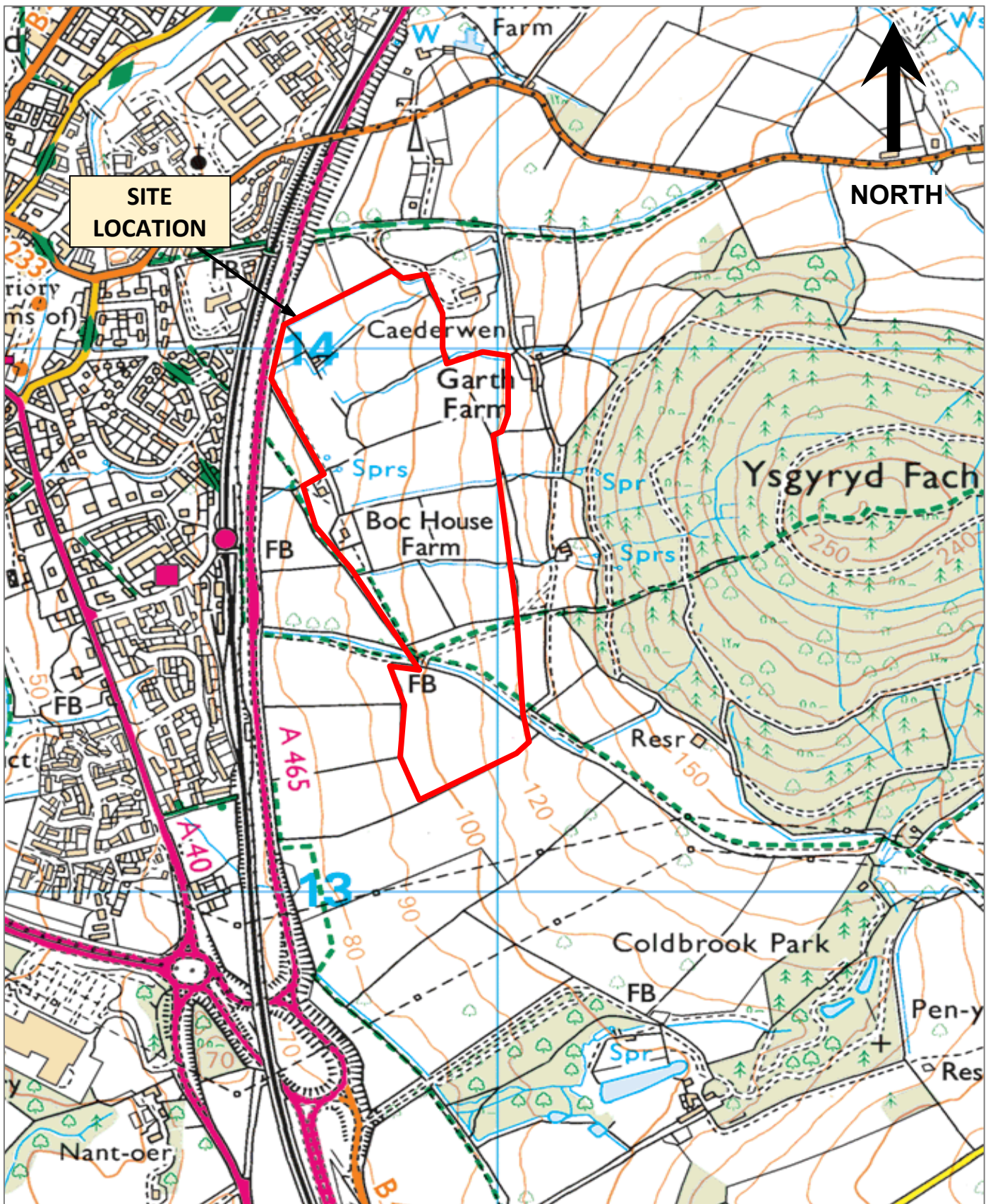
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## FIGURES





**FIGURE 1: SITE LOCATION**

**Land East of A465, Abergavenny**

**Intégral**  
Géotechnique

Intégral House  
7 Beddau Way  
Castlegate Business Park  
Caerphilly  
CF83 2AX  
Tel: 029 2080 7991  
Fax: 029 2086 2176





**FIGURE 2: SITE PLAN**

**Land East of A465, Abergavenny**