



Geotechnical and Geoenvironmental Report

Site: Proposed Greggs Drive Through,
Baglan Bay Retail Park, Port Talbot

Prepared For: Triple Jersey Limited

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Executive Summary

Site Location and Proposed Development	Triple Jersey Limited (the Client) is proposing the development of a Greggs Drive Through at Baglan Bay Retail Park on Christchurch Road, Port Talbot, SA12 7BZ.				
Site History	The site first became developed by a cigar factory sometime between 1952 and 1972. After its demolition sometime between 1995 and 2006 the site became occupied by a retail park car park.				
Geology	The site is shown to be underlain by South Wales Middle Coal Measures rock. Above the bedrock is blown sand over tidal flat deposits.				
Radon	No radon protective measures are required for new developments on the investigation site.				
Coal Mining Risk Assessment	It is considered that the site is not at risk from past shallow coal mining.				
Ground Conditions	Depth (m)			Thickness (m)	Stratum
	0.00	-	0.1	0.1	ASPHALT
	0.1	-	0.2/0.4	0.1/0.3	MADE GROUND. Dense brown very sandy GRAVEL of angular sandstone.
	0.2/0.4	-	2.2/2.3	1.9/2.25	MADE GROUND. Dense brown and grey variably clayey very sandy GRAVEL of angular concrete, bitumen, slag, brick and sandstone.
	2.2/2.3	-	2.5/2.6	0.3/0.4	MADE GROUND. Medium dense black and brown fine to medium SAND.
	2.5/2.6	-	>3.0	-	Medium dense light yellowish brown fine to medium SAND.
Contamination of Concern	Location	Depth	Contaminant		Source
	WS01	0.5	Chrysotile (asbestos)		S1 - Made ground
Mitigation Measures	To protect future site users from the identified contamination the site will need to be capped. The capping should consist of the proposed buildings and hard standings. In soft landscaped areas the capping should consist of 600mm of suitable inert topsoil, and subsoil if desired. The capping soil should be directly underlain by a double no-dig barrier comprising a geotextile membrane and geogrid. It is recommended that an asbestos specialist is commissioned to advise on how best to deal with the identified asbestos during groundworks.				
Ground Gas Risk Assessment	The site is classified as 'Gas Characteristic Situation 1' (CS1).				
Foundation Solution	It is recommended that reinforced concrete strip or trench foundations be used; founded within the made ground at an approximate depth of 0.45m below the existing ground level. An allowable bearing pressure of 75kN/m ² may be used for strips up to 750mm wide. Due to the small amount of expansion recorded (0.09% over 14-days) by the accelerated expansion testing, it is recommended that the foundations be sat upon 300mm of imported Department of Transport (DTp) type 2 sub-base or similar. It is intended that foundations should remain shallow so that they do not impose significant force upon the Tidal Flat Deposits, which based on geological data, are likely to lie beneath the Blown Sand deposits. Foundations must sit at least 200mm within the founding horizon. For the given foundation solutions and bearing pressure, maximum total settlements of <25mm should result with differential movements of the superstructure not exceeding 1:750. Floor slabs should be designed as suspended. Allowances should be made for the removal of any 'soft spots' and their replacement with well-compacted granular materials. Department of Transport (DoT) Type 2 materials or similar could be used and should be compacted in layers to the specification for Highway Works. All foundation formations should be inspected by a suitably qualified Engineer before being concreted.				

TABLE OF CONTENTS

SECTION 1	Introduction and Proposed Development	1
1.1	Introduction	1
1.2	Limitations and Exceptions of Investigation	1
1.3	Quality Assurance	2
SECTION 2	Review of Existing Data	3
2.1	Physical Setting and Current Site Use	3
2.2	Site History	4
2.3	Geological Setting	4
2.3.1	Geology	4
2.3.2	BGS Borehole Information	5
2.3.3	Radon	5
2.3.4	Mining	5
2.3.5	Natural Hazards	6
2.4	Environmental Setting	6
2.4.1	Hydrogeology	6
2.4.2	Hydrology	6
2.4.3	Flooding	6
2.4.4	Waste	6
2.4.5	Pollution	6
2.4.6	Sensitive Land Use	6
2.4.7	Industrial Land Use	7
2.4.8	Infilled Land	7
SECTION 3	Preliminary Human Health and Environmental Risk Assessment	8
3.1	General	8
3.2	Potential Sources of Contamination	8
3.3	Potential Pollution Pathways	8
3.4	Potential Receptors	8
3.5	Preliminary Conceptual Site Model	9
SECTION 4	Field Investigation	11
4.1	Site Works	11
4.2	Ground Conditions	11
4.3	Groundwater	12
4.4	Stability and Obstructions	12
4.5	Installation Well Construction	12
4.6	Laboratory Chemical Testing	12
4.6.1	Sampling Strategy	12
4.6.2	Soil Laboratory Analysis	13
4.7	Soil Property Testing	13
4.7.1	In-situ Permeability Testing	13
SECTION 5	Evaluation of Geoenvironmental Analytical Results	14
5.1	Assessment Methodology	14
5.2	Soil Test Results	14
5.2.1	Inorganics & Miscellaneous	14
5.2.2	Organics	15
5.2.3	Asbestos Testing	16
SECTION 6	Geotechnical Testing Results	17

6.1	BRE SD1 Testing	17
6.2	Accelerated Expansion Testing of Slag	17
SECTION 7	Preliminary Ground Gas Risk Assessment	18
7.1	Gas Screening Value	18
7.2	Conclusion	18
SECTION 8	Quantitative Risk Assessment	19
8.1	Contaminants of Concern	19
8.2	Pollutant Linkages	19
8.3	Mitigation and Remedial Measures	19
8.3.1	Human Health	19
8.3.1.1	Contaminated Soils	19
8.3.2	Aquatic Environment	20
SECTION 9	Engineering Recommendations	21
9.1	General	21
9.2	Preparation of Site	21
9.3	Foundation and Floor Slab Solution	21
9.4	Excavations and Formations	22
9.5	Protection of Buried Concrete	22
9.6	Access Roads and Car Parking Areas	22
9.7	Storm Water Drainage	22

Tables

Table 2.1	Historical Development from Map Information	4
Table 2.2	Detailed Stratigraphical Information	5
Table 2.3	Potentially Infilled Land	7
Table 3.1	Contamination Sources	8
Table 3.2	Preliminary Conceptual Site Model	10
Table 4.1	Summary of Typical Ground Conditions	11
Table 4.2	Groundwater Summary	12
Table 4.3	Installation Well Summary	12
Table 4.4	Sample Locations, Depths and Targets	12
Table 4.5	Soil Laboratory Analysis	13
Table 4.6	Summary of Soakaway Results	13
Table 5.1	Summary of Soil Chemical Test Results – Inorganics & Miscellaneous	14
Table 5.2	Summary of Soil Chemical Test Results – Speciated Polycyclic Aromatic Hydrocarbons	15
Table 5.3	Summary of Soil Chemical Test Results – Petroleum Hydrocarbons	15
Table 5.4	Summary of Soil Chemical Test Results – Phenols	16
Table 5.5	Summary of Soil Chemical Test Results – Asbestos Quantification	16
Table 6.1	BRE SD1 Testing Summary	17
Table 7.1	Measured Gas Concentration Summary	18
Table 8.1	Contaminants of Concern	19
Table 8.2	Refined Conceptual Site Model	19

Figures

Figure 2.1	Site Location	3
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Annexes

Annex A Envirocheck Report
Annex B Coal Authority Mining Report
Annex C Risk Assessment Definitions
Annex D Exploratory Hole Logs
Annex E Laboratory Soil Chemical Test Results
Annex F Soakaway Test Results
Annex G Slag Expansion Test Results
Annex H Ground Gas Monitoring Results

Drawings

Drawing 01 Exploratory Hole Layout

SECTION 1 Introduction and Proposed Development

1.1 Introduction

Triple Jersey Limited (the Client) is proposing the development of a Greggs Drive Through at Baglan Bay Retail Park on Christchurch Road, Port Talbot, SA12 7BZ.

Terra Firma (Wales) Limited have been commissioned by Cooke & Arkwright on behalf of the Client to undertake a geoenvironmental assessment and geotechnical investigation of the site.

Cooke & Arkwright is the land agent for the site.

Austin Partnership is the Civil & Structural Engineer for the proposed development.

The main objectives of the geoenvironmental assessment programme are:

- Investigate the potential human health and environmental liabilities at the site associated with any contamination
- Provide a summary of the human health and environmental conditions at the site, together with any necessary further intrusive works and / or remediation works to render the site fit for its intended use

The main objectives of the geotechnical site investigation are:

- Investigated the type, strength and bearing characteristics of the shallow superficial and underlying solid geology
- Investigate the risk, if any, from historical shallow underground mining features
- Provide engineering foundation and floor slab recommendations for the proposed development
- Provide infiltration rates and stormwater drainage viability.
- Provide recommendations regarding any other geotechnical aspects pertaining to the development

In order to achieve the above objectives, Terra Firma (Wales) Limited carried out an assessment programme including a site walkover, a review of existing data, followed by a field investigation to collect geotechnical and geoenvironmental data from selected locations.

1.2 Limitations and Exceptions of Investigation

The Client has requested that a Geoenvironmental Site Assessment (GSA) and Geotechnical Investigation (GI) be performed to enable the outlined main objectives.

The GSA and GI were conducted, and this report has been prepared for the sole internal reliance of the Client and their design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Terra Firma (Wales) Limited. If an unauthorised third party comes into possession of this report, they rely on it at their peril and the authors owe them no duty of care and skill. The report represents the findings and opinions of experienced geoenvironmental and geotechnical consultants. Terra Firma (Wales) Limited does not provide legal advice and the advice of lawyers may be required.

The subsurface geological profiles, any contamination and other plots are generalised by necessity and have been based on the information found at the locations of the exploratory holes and depths sampled and tested.

The investigation was limited by the dense made ground encountered at shallow depth, which limited the depth of some of the exploratory holes.

1.3 Quality Assurance

The quality and environmental aspects of the assessment comply with Terra Firma Wales Ltd business management system which is UKAS Accredited to ISO 9001:2015 and ISO 14001:2015 standards.

SECTION 2 Review of Existing Data

2.1 Physical Setting and Current Site Use

The development site is roughly rectangular in shape and locates within the car park of Baglan Bay Retail Park on Christchurch Road, Port Talbot, SA12 7BZ. The site centres on an approximate National Grid Reference of 274700, 190880, occupying a plan area of approximately 0.17 Hectares.

The site is occupied by an asphalt-covered car park for Baglan Bay Retail Park, and stands adjacent to a B&M Store, and a KFC drive-through restaurant.

Site boundaries are defined by a car park access road to the northeast, car parking to the southeast and northwest and a fence separating the site from Afan Way (A4241) to the southwest.

Retail development lies to the north and east, light industrial units lie to the southwest of Afan Way, and car parking continues to the southeast.

The site elevation is approximately flat and lies at approximately 8m AOD.

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



Figure 2.1 Site Location

2.2 Site History

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

Table 2.1 Historical Development from Map Information

Map Edition & Scale	Key Features on Site	Key Features off Site
1876-1881 1:2,500	The site lies upon undeveloped field land in an area known as Aberafon Moors. A footpath and field boundary pass through the southwest of the site from northwest to southeast.	The surrounding area comprises of field land. Three (possible) farm buildings surround a well, located 202m to the southeast.
1899 1:2,500	The footpath and field boundary no longer exist.	A railway line running from southeast to northwest is located 20m southwest of the site.
1917-1919 1:2,500	No significant changes.	No significant changes.
1936-1939 1:2,500	No significant changes.	No significant changes.
1951-52 1:10,560	No significant changes.	No significant changes.
1972 1:1,250	The site is occupied by a cigar factory.	The factory extends northwards and eastwards. Afon Way is located to the immediate southwest of the site, beyond which are industrial units. Beyond the industrial units is a large housing estate known as Sandfields.
1993-1995 1:1,250	No significant changes.	The cigar factory has extended south-eastward. The surrounding industrial estate has extended eastwards.
2006 1:10,000	The factory has been demolished and the site is occupied by a car park.	Two rectangular buildings are located 10m northeast and 20m north of the site.
2021	The site remains unchanged.	Two more buildings have been built around the car park.

2.3 Geological Setting

2.3.1 Geology

The 1:50,000 scale British Geological Map of the area (Sheet 247) was consulted for geology underlying the site. The site is shown to be underlain by South Wales Middle Coal Measures rock. Detailed stratigraphical information is provided in **Table 2.2**.

Table 2.2 Detailed Stratigraphical Information

Period	Group	Formation
Carboniferous	'	South Wales Middle Coal Measures Formation - Grey, (productive) coal-bearing mudstones/siltstones, with seatearths and minor sandstones.
Quaternary	'	Blown Sand (south) - Sand that has been transported by wind, or sand consisting predominantly of wind-borne particles. Over Tidal Flat Deposits (north) - including mud flat and sand flat deposits, are deposited on extensive nearly horizontal marshy land in the intertidal zone that is alternately covered and uncovered by the rise and fall of the tide.

There are no coal seams identified by the geological map that could lie at shallow depth beneath the site.

Superficial deposits are recorded as Blown Sand at the south and Tidal Flat deposits at the north.

Made ground of unknown depth is anticipated at the site.

2.3.2 BGS Borehole Information

Five historic exploratory holes are recorded within 100m of the site. Made ground comprising grey brown slightly sandy GRAVEL with may subangular cobbles and occasional boulders of slag was recorded to between 2.6m and >3.6m

A cable percussive borehole drilled 93m northeast of the site recorded made ground to 2.6m. Beneath the made ground loose grey slightly silty sand was recorded to 3.8m giving way to firm blue grey slightly sandy clay with occasional lenses of sand and occasional vegetation fragments to 5.0m. Peat is recorded from 5.0m to 6.0m, and is underlain by soft grey sandy clay with occasional lenses of silt and occasional vegetation fragments to 10.4m. Soft blue grey slightly grey slightly sandy slightly silty clay was recorded to termination of the borehole at 15.0m.

2.3.3 Radon

The Envirocheck Report (**Annex A**) details that **no** radon protective measures are required for new developments on the investigation site.

2.3.4 Mining

A Coal Authority CON29M coal mining report was procured for the site.

The report states that the property is not within a surface area that could be affected by any past recorded underground coal mining, there are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property, and that the Coal Authority has no record of a mine gas emission requiring action.

It is therefore considered that the site is not at risk from past shallow coal mining.

The Coal Authority CON29M Coal Mining Report is appended in (**Annex B**).

2.3.5 Natural Hazards

Shallow superficial soils have the potential for running sand conditions.

2.4 Environmental Setting

The following sections have been compiled using the Landmark Information Group Envirocheck datasheet and maps which can be found in **Annex A**.

2.4.1 Hydrogeology

Superficial and bedrock deposits beneath the site have aquifer designations of secondary aquifer – A.

Deeper groundwater flow within the underlying bedrock will be controlled by the strata dip and any fractures or bedding planes within the rock units.

The hydraulic gradient will be at its steepest during periods of heavy rainfall and aquifer recharge.

The site does not locate within a groundwater source protection zone.

There are no groundwater abstraction points located within 1km of the site.

2.4.2 Hydrology

The nearest surface water feature locates 605m off site to the east and comprises a drainage channel located alongside a road.

Surface water is likely to be intercepted by on site drainage.

2.4.3 Flooding

The site is not at risk from extreme flooding from rivers or sea.

The site's northeast boundary lies adjacent to an area at risk from Surface Water 1 in 1000-year Flood Extent.

The site lies in an area categorised as having Potential for Groundwater Flooding to Occur at Surface.

2.4.4 Waste

There are no recorded landfill sites within 250m of the site.

There are no licensed waste management facilities or waste transfer sites within 250m of the site.

2.4.5 Pollution

No pollution incidents are recorded to have occurred within 250m radius of the site.

2.4.6 Sensitive Land Use

The site is not located within a sensitive land use area.

2.4.7 Industrial Land Use

There are no relevant contemporary trade directory entries recorded within proximity of the site.

2.4.8 Infilled Land

Potentially infilled land features within 250m of the site are summarised in **Table 2.3**.

Table 2.3 Potentially Infilled Land

Feature	Distance/Direction from site
Infilled drainage channels	41m east

SECTION 3 Preliminary Human Health and Environmental Risk Assessment

3.1 General

The preliminary human health and environmental risk assessment is a qualitative evaluation of unacceptable risks to human health or the environment from potential 'contaminated land', based on reviewed information in preceding sections of this report.

For 'contaminated land' to exist as defined in Part 2A of the Environmental Protection Act (EPA) 1990, a Pollutant Linkage needs to be identified. Pollutant linkages are defined by having a valid 'source – pathway – receptor' as established in the preliminary conceptual site model.

For our definitions of pollution linkage and how we define risk please refer to **Annex C** which includes our classifications of consequence and probability, and risk assessment matrix.

3.2 Potential Sources of Contamination

Potential or known sources of contamination associated the sites current and historical land use are summarised in **Table 3.1**.

Table 3.1 Contamination Sources

ID	Source	Contaminant
S1	Made ground and past site uses	Metals, metalloids, PAHs, TPH, and asbestos, ground gas (carbon dioxide, methane, carbon monoxide, hydrogen sulphide)
S2	Peat	Carbon dioxide, methane, carbon monoxide, hydrogen sulphide.

No other significant potential on-site or off-site sources of contamination have been identified during the desk study.

3.3 Potential Pollution Pathways

Potential contaminant pathways associated with a commercial land use are as follows.

- P1 – Direct soil and dust ingestion
- P3 – Dermal contact
- P4 – Inhalation of dust and vapours
- P5 – Vertical migration of leachates (unsaturated zone)
- P6 – Horizontal and vertical migration of contaminants (saturated zone)
- P7 – Artificial contaminant pathway (borehole, pile, excavation etc)
- P8 – Surface run-off
- P10 – Horizontal and vertical migration of ground gasses and vapours
- P11 – Direct contact with construction materials
- P12 – Inhalation of asbestos fibres

3.4 Potential Receptors

There are human and hydrological receptors to any contamination that may be present on site. Potential receptors include.

- R1 – Construction and maintenance workers
- R2 – Future site users (employees, customers)
- R3 – Passers-by or neighbouring site users
- R4 – Groundwater (aquifer)

R5 – Surface waters (river/lake)

R6 – Area of public open space

R7 – Construction materials (concrete/potable water pipes)

3.5 Preliminary Conceptual Site Model

The preliminary conceptual site model establishes potential pollutant linkages between contaminants (source), pathways and receptors, realised during the preparation of the desk study report. Where a potential pollutant linkage is identified an assessment of risk is subsequently undertaken. The preliminary conceptual site model is tabulated in **Table 3.2**.

Outcomes of the preliminary conceptual site model are used as a basis for the design and implementation of the site investigation, whereby areas of potential contamination can be targeted as well as investigating the wider site.

Findings of the site investigation can in turn be used to develop and refine the conceptual site model.

Table 3.2 Preliminary Conceptual Site Model

Source	Pathway	Receptor	Preliminary Risk Assessment		
			Consequence	Probability	Risk
Human Health					
Contaminated Soils S1	Direct soil and dust ingestion P1 Dermal contact P3 Inhalation of dust and vapours P4	Construction and maintenance workers R1	Medium	Low Likelihood	Medium Risk - COSHH assessment and good level of PPE/ hygiene by site workers/ staff; dust suppression measures if required. Suitably designed site investigation recommended
		Passers-by or neighbouring site users R3	Medium	Unlikely	Low Risk - Dust suppression measures if required.
		Future site users (employees) R2	Medium	Unlikely	Low Risk - Suitably designed site investigation recommended
Ground Gas S1	Horizontal and vertical migration of ground gasses and vapours P10	Future site users (employees) R2, Construction and maintenance workers R1	Severe	Unlikely	Low Risk
Peat S2			Severe	Unlikely	Low Risk
Impacted Groundwaters S1	Horizontal and vertical migration of contaminants (saturated zone) P6 Dermal contact P3	Construction and maintenance workers R1	Medium	Unlikely	Low Risk
Contaminated Soils S1	Direct Contact P11	Construction materials (water pipes) R7	Mild	Low Likelihood	Low Risk
Aggressive ground conditions - Sulphates S1		Construction materials (concrete) R7			
Aquatic Environment					
Contaminated Soils S1	Vertical migration of leachates (unsaturated zone) P5	Groundwater (aquifer) R4 Surface waters (river/lake) R5	Mild	Low Likelihood	Low Risk
	Surface run-off P8	Surface waters (river/lake) R5			
	Horizontal and vertical migration of contaminants (saturated zone) P6				

SECTION 4 Field Investigation

4.1 Site Works

A geotechnical and geoenvironmental site investigation comprising one trial pit and five windowless sampler boreholes was undertaken on the 6th and 7th October 2021.

An additional site investigation comprising 25No. windowless sampler boreholes was undertaken on the 27th and 28th April with the intention of taking samples for asbestos testing.

The fieldwork was supervised by Terra Firma (Wales) Limited, who logged the exploratory holes to the requirements of BS 5930:2015+A1:2020. The proposed locations of the exploratory holes were determined by Terra Firma (Wales) Ltd in general accordance with BS 10175:2011+A2:2017 in order to assess the findings of the preliminary conceptual site model.

Trial pit referenced TP01, was formed using a JCB 3CX excavator with a 0.60m wide bucket.

Breaking out of the hardstanding was required prior to excavation.

On completion the trial pit was backfilled with materials arisings compacted in layers using the excavator bucket. The ground surface was reinstated with asphalt.

The boreholes referenced WS01 to WS05, were formed using a Terrier 2000 rig. Dynamic sampling techniques were employed from surface to produce a continuous disturbed sample.

Standard penetration tests (SPT) were carried out at regular intervals in general accordance with BS1377: Part 9:1990:3.3. SPT results summarised as N values are presented on the borehole log.

Boreholes were monitored for groundwater ingress as drilling proceeded.

Representative disturbed samples were taken and retained in airtight containers for environmental and geotechnical testing.

The exploratory hole logs are presented in **Annex D**.

Exploratory hole locations are shown on **Drawing 01**.

4.2 Ground Conditions

The ground conditions encountered by the exploratory holes can in general be summarised as shown in **Table 4.1**.

Table 4.1 Summary of Typical Ground Conditions

Depth (m)			Thickness (m)	Stratum
0.00	-	0.1	0.1	ASPHALT
0.1	-	0.2/0.4	0.1/0.3	MADE GROUND . Dense brown very sandy GRAVEL of angular sandstone.
0.2/0.4	-	2.2/2.3	1.9/2.25	MADE GROUND . Dense brown and grey variably clayey very sandy GRAVEL of angular concrete, bitumen, slag, brick and sandstone.
2.2/2.3	-	2.5/2.6	0.3/0.4	MADE GROUND . Medium dense black and brown fine to medium SAND .
2.5/2.6	-	>3.0	-	Medium dense light yellowish brown fine to medium SAND .

4.3 Groundwater

Groundwater information recorded during the site investigation is summarised in **Table 4.2**.

Table 4.2 Groundwater Summary

Location	Depth (m)	Details
TP01	2.6	Slow inflow

4.4 Stability and Obstructions

Trial pit TP01 was unstable within the sand from 2.3m depth. WS01 and WS02 were also unstable within the sand from 2.2/23m depth.

Advancement of trial pit TP01 was obstructed from 1.8 to approximately 2.1m due to very dense made ground. A hydraulic breaker attachment was used to advance the pit through the made ground. Several windowless sampler boreholes were also terminated within very dense made ground. Further detail is provided on the individual exploratory hole logs.

4.5 Installation Well Construction

Gas well locations were selected on a non-targeted basis to characterise the gas contamination status of a defined area. A triangular pattern was adopted.

Gas installation well construction details are summarised in **Table 4.3**.

Table 4.3 Installation Well Summary

Location	Response Zone		Stratum
	From (m)	To (m)	
WS01	1.0	2.0	Made ground and Blown Sand
WS02	1.0	2.0	Made ground and Blown Sand
WS05	0.5	1.4	Made ground

Due to the collapsing borehole sides within the sand, wells could only be installed to a maximum of 2.0m depth.

4.6 Laboratory Chemical Testing

4.6.1 Sampling Strategy

Soil sampling locations were selected on a non-targeted basis to characterise the contamination status of a defined area. A herringbone sampling pattern was adopted.

Sample locations, depths and suspected contamination source targets are summarised in **Table 4.4**:

Table 4.4 Sample Locations, Depths and Targets

Location	Depth (m)	Contamination Targets
TP01	0.2	S1 - Made ground comprising sandstone.
WS01	0.5	S1 - Made ground comprising concrete, bitumen and slag.
WS03	0.3	S1 - Made ground comprising sandstone.
WS05	0.6	S1 - Made ground comprising sandstone.

4.6.2 Soil Laboratory Analysis

During the site investigation works soil samples were taken and despatched to the accredited laboratories of Eurofins Chemtest for laboratory chemical testing. Soil samples were tested for the determinants listed in **Table 4.5**.

Table 4.5 Soil Laboratory Analysis

Metals & Metalloids	In-Organics	Organics	Others
Arsenic	Cyanide	Phenols	pH (acidity)
Cadmium	Sulphate	PAH	Asbestos
Chromium III		Petroleum Hydrocarbons CWG	
Chromium VI			
Copper			
Lead			
Mercury			
Nickel			
Selenium			
Zinc			

The results are discussed in detail in **SECTION 5** and the laboratory test results certificates may be found in **Annex E**.

4.7 Soil Property Testing

4.7.1 In-situ Permeability Testing

During the site investigation one trial pit soakaway test was undertaken in TP01 and carried out in general accordance with BRE DG 365:2016.

Due to the inflow of shallow groundwater, the head of water rose. The test was consequently abandoned.

Soakaway test results are summarised in **Table 4.6**.

Table 4.6 Summary of Soakaway Results

Trial Pit	Depth Range of Test (m)	Infiltration Rate (ms ⁻¹)
TP01	2.31-2.7	N/A

The test results are discussed in **SECTION 9.6** and the calculation sheets may be found in **Annex F**.

SECTION 5 Evaluation of Geoenvironmental Analytical Results

5.1 Assessment Methodology

Comparison of the analytical results has been made with the 2015 Suitable 4 Use Levels (S4UL) provided by Land Quality Management (LQM) Limited and the Chartered Institute of Environmental Health (CIEH) or provisional Category 4 Screening Levels (pC4SL).

Soil leachate and groundwater analytical results have been compared with available published guidelines in the Water Framework Directive (Standards and Classification) Directives (England and Wales) 2015 and Drinking Water Directive (98/83/EC).

Sulphate results have been compared to guidelines presented in British Research Establishment (BRE SD1:2015). Sulphate levels need only be considered for buried concrete risk assessment and are not human health related.

Soils subjected to a UK Water Industry Research (UKWIR) suite of testing have been compared with guidelines set out in UKWIR Guidance for the Selection of Water Supply Pipes to be Used in Brownfield Sites (Ref 10/WM/03/21).

5.2 Soil Test Results

A summary of the chemical test results which include the regulatory soil guideline values used in a commercial setting are given in the following tables. The complete results can be found in **Annex E**.

5.2.1 Inorganics & Miscellaneous

Four samples were tested for a standard suite of inorganics, pH and organic matter. The summarised results are in **Table 5.1**.

Table 5.1 Summary of Soil Chemical Test Results – Inorganics & Miscellaneous

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Arsenic	640	LQM/CIEH	6	21	0
Cadmium	190	LQM/CIEH	<0.1	0.36	0
Chromium III	8600	LQM/CIEH	23	63	0
Chromium VI	33	LQM/CIEH	<0.5	<0.5	0
Copper	68000	LQM/CIEH	15	35	0
Lead	2300	pC4SL	7.9	120	0
Mercury (inorganic)	1100	LQM/CIEH	<0.05	0.06	0
Nickel	980	LQM/CIEH	7.3	17	0
Selenium	12000	LQM/CIEH	<0.2	0.47	0
Zinc	730000	LQM/CIEH	19	160	0
Cyanide	-	-	<0.5	<0.5	-
Boron	240000	LQM/CIEH	1.1	6.0	0
Sulphate (%)	0.24	BRE	0.14	0.60	0
Organic Matter (%)	-	-	<0.1	0.6	-
pH	-	-	7.6	8.3	-
Notes:					
- No available guideline					

5.2.2 Organics

Four samples were tested for speciated polycyclic aromatic hydrocarbons. The summarised results are in **Table 5.2**.

Table 5.2 Summary of Soil Chemical Test Results – Speciated Polycyclic Aromatic Hydrocarbons

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Naphthalene	190	LQM/CIEH	<0.1	<0.1	0
Acenaphthylene	83000	LQM/CIEH	<0.1	<0.1	0
Acenaphthene	84000	LQM/CIEH	<0.1	<0.1	0
Fluorene	63000	LQM/CIEH	<0.1	<0.1	0
Phenanthrene	22000	LQM/CIEH	<0.1	0.29	0
Anthracene	520000	LQM/CIEH	<0.1	0.20	0
Fluoranthene	23000	LQM/CIEH	<0.1	2.4	0
Pyrene	54000	LQM/CIEH	<0.1	3.3	0
Benzo(a)anthracene	170	LQM/CIEH	<0.1	4.9	0
Chrysene	350	LQM/CIEH	<0.1	<0.1	0
Benzo(b)fluoranthene	44	LQM/CIEH	<0.1	12	0
Benzo(k)fluoranthene	1200	LQM/CIEH	<0.1	4.5	0
Benzo(a)pyrene	35	LQM/CIEH	<0.1	8.9	0
Indeno(123cd)pyrene	500	LQM/CIEH	<0.1	6.8	0
Dibenzo(ah)anthracene	3.5	LQM/CIEH	<0.1	2.2	0
Benzo(ghi)perylene	3900	LQM/CIEH	<0.1	6.6	0
Total PAH	-	-	<2.0	<2.0	-
Notes:					
Thresholds based on 1.0% soil organic matter					
- No available guidelines					

Four samples were tested for petroleum hydrocarbon. The summarised results are shown in **Table 5.3**.

Table 5.3 Summary of Soil Chemical Test Results – Petroleum Hydrocarbons

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Aliphatic					
PH C5 – C6 Ali	3200	LQM/CIEH	<1.0	<1.0	0
PH C6 – C8 Ali	7800	LQM/CIEH	<1.0	<1.0	0
PH C8 – C10 Ali	2000	LQM/CIEH	<1.0	<1.0	0
PH C10 – C12 Ali	9700	LQM/CIEH	<1.0	<1.0	0
PH C12 – C16 Ali	59000	LQM/CIEH	<1.0	<1.0	0
PH C16 – C21 Ali	1600000*	LQM/CIEH	<1.0	<1.0	0
PH C21 – C35 Ali	1600000*	LQM/CIEH	<1.0	<1.0	0
PH C35 – C44 Ali	1600000	LQM/CIEH	<1.0	<1.0	0
Aromatic					
PH C5 – C7 Arom	26000	LQM/CIEH	<1.0	<1.0	0
PH C7 – C8 Arom	56000	LQM/CIEH	<1.0	<1.0	0

PH C8 – C10 Arom	3500	LQM/CIEH	<1.0	<1.0	0
PH C10 – C12 Arom	16000	LQM/CIEH	<1.0	<1.0	0
PH C12 – C16 Arom	36000	LQM/CIEH	<1.0	<1.0	0
PH C16 – C21 Arom	28000	LQM/CIEH	<1.0	<1.0	0
PH C21 – C35 Arom	28000	LQM/CIEH	<1.0	<1.0	0
PH C35 – C44 Arom	28000	LQM/CIEH	<1.0	<1.0	0

Notes:

PH – Petroleum Hydrocarbon

Ali – Aliphatic

Arom – Aromatic

Thresholds based on 1.0% soil organic matter

* – Ali C16-21 and C21-C35 based on criteria for Ali EC >16-35

Four samples were tested for Phenols. The summarised results are in **Table 5.4**.

Table 5.4 Summary of Soil Chemical Test Results – Phenols

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Phenols	440	LQM/CIEH	<0.1	>0.1	0

Notes:

- No available guideline

5.2.3 Asbestos Testing

Thirty-four samples of made ground were scheduled for asbestos screening. Asbestos was detected in 1 No. sample. Samples testing positive for asbestos were further scheduled for gravimetric quantification of ACM and fibres in soil/fibre quantification in soils. The results from samples containing asbestos are summarised in **Table 5.5**.

Table 5.5 Summary of Soil Chemical Test Results – Asbestos Quantification

Sample	Depth (m)	Comment	Result (mass %)
WS01	0.5	Chrysotile fibres/clumps	0.002

SECTION 6 Geotechnical Testing Results

Geotechnical testing results are summarised in the following sections and presented in their entirety in **Annex E**.

6.1 BRE SD1 Testing

Two samples were subject to BRE SD1 testing for concrete classification. The results are summarised in **Table 6.1**.

Table 6.1 BRE SD1 Testing Summary

Location	Depth (m)	2:1 Water/Soil Extract		Total Potential Sulphate (%)	pH	Design Sulphate Class for Location	ACEC Class for Location
		SO ₄ (mg/l)	Mg (mg/l)				
WS01	0.5	1.3	-	1.65	7.6	DS-4	AC-4
WS05	0.6	1.2	-	0.57	8.2	DS-2	AC-2

6.2 Accelerated Expansion Testing of Slag

One sample of the made ground was submitted to Thomas Research Services Limited for accelerated expansion testing due to the presence of significant quantity of slag.

Test results show over a 14-day period expansion of just 0.09% was recorded. Further detail to mitigate against this negligible expansion is discussed in **Section 9**.

The results of the testing are presented in in **Annex G**.

SECTION 7 Preliminary Ground Gas Risk Assessment

7.1 Gas Screening Value

Three ground gas monitoring wells were installed in WS01 WS02, and WS05. Installation details are shown on the relevant log.

Six rounds of gas monitoring has been carried. The installations were tested for carbon dioxide, methane, oxygen, carbon monoxide and hydrogen sulphide using a Gas Analyser GA2000.

Recorded gas concentrations are summarised in **Table 7.1**.

Table 7.1 Measured Gas Concentration Summary

Gas	Minimum (% V/V)	Maximum (% V/V)
Methane	0.0	0.0
Carbon Dioxide	0.0	0.0
Oxygen	19.2	21.1

Methane levels did not rise above 0.0% V/V. Carbon dioxide levels also did not rise above 0.0% V/V. Oxygen concentrations varied between 19.2% and 21.1% V/V.

The gas flow rate from the boreholes was also assessed. Flow rate was not recorded above 0.0l/hr.

Based on a flow rate detection limit of 0.1 l/hr and a carbon dioxide detection limit of 0.1%, a gas screening value of 0.0001 l/hr is calculated, as follows:

$$(0.1/100) \times 0.1 = 0.0001 \text{ l/hr}$$

The results to date are presented in **Annex H**.

7.2 Conclusion

When this monitoring result is compared with Table 8.5 of CIRIA report C665, the site is classified as 'Gas Characteristic Situation 1' (CS1).

SECTION 8 Quantitative Risk Assessment

8.1 Contaminants of Concern

Contaminants identified as part of the investigation are summarised in **Table 8.1**, along with an interpretation of the likely contamination source. Where applicable, the contaminant, source relationship is based on the inferences made in the preliminary conceptual site model.

Table 8.1 Contaminants of Concern

Location	Depth	Contaminant	Source
WS01	0.5	Chrysotile (asbestos)	S1 - Made ground

8.2 Pollutant Linkages

Based on the findings of the intrusive site investigation and identified contaminants, the preliminary conceptual site model has been revised. Significant pollutant linkages are tabulated in the refined conceptual site model **Table 8.2**. Identified pollutant linkages will require detailed risk assessment, appropriate mitigation or remedial measures.

Table 8.2 Refined Conceptual Site Model

Source	Pathway	Receptor
S1 – Made ground	P1 – Direct soil and dust ingestion P3 – Dermal contact P4 – Inhalation of dust and vapours P12 – Inhalation of asbestos fibres	R1 – Construction and maintenance workers R2 – Future site users (employees, customers) R3 – Passers-by or neighbouring site users

8.3 Mitigation and Remedial Measures

The following sections summarise the likely mitigation and remedial measures suitable for the identified contamination and proposed development. Detailed methodology to achieve the measures should be prescribed in a Remediation Strategy Report and the results presented in a Validation Report upon completion of the development.

8.3.1 Human Health

8.3.1.1 Contaminated Soils

The advice of an asbestos specialist will be required when planning construction works within asbestos impacted soils and as a minimum the following precautions should be employed:

- Dust suppression and measures to dampen the material
- Suitable PPE for site workers
- Air monitoring on the site boundary
- Personal air monitors (for a time to determine actual personnel / fibre interaction)

In addition to the above it is best practise to clean down plant and change air filters on any plant used in the works with asbestos contaminated material.

To protect future site users from the identified contamination the site will need to be capped. The capping should consist of the proposed buildings and hard standings. In soft landscaped areas the capping should consist of 600mm of suitable inert topsoil, and subsoil if desired. The

capping soil should be directly underlain by a double no-dig barrier comprising a geotextile membrane and geogrid.

As good practice, construction workers should adhere to good site management, COSHH, good standards of hygiene and appropriate health & safety on site, with personal protection equipment (PPE) and dust suppression where appropriate.

All imported soils should be validated as clean and suitable for use in accordance with 'Requirements for the Chemical Testing of Imported Soils for Various End Uses and Validation Cover Systems'.

For proposed new supply water pipes, the UK Water Industry Research publication 'Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites (Report 10/WM/03/21)' should be consulted.

In accordance with EC Regulation 1272/2008 and Environment Agency Guidance WM3 soils destined for off-site disposal should be classified on the basis of their hazard phrases prior to disposal. Soils are classified as a mirror entry waste and should be classified on the basis of their specific chemical properties.

If during earthworks ground conditions are encountered that are markedly different to those found during the investigation then the ground should be subject to additional sampling and testing and any necessary remedial measures designed and implemented before continuing with the works.

8.3.2 Aquatic Environment

Site specific mitigation and remedial measures are not required with respect to the aquatic environment.

During the construction period, there is a risk to the environment/adjacent sites from de-watering, digging foundations, moving contaminated soil, drainage misconceptions, discharges to local surface waters or the ground, runoff from construction materials and/or exposed ground, wheel washings and oil or chemical spills.

The risk is considered to be negligible as any adverse effects will be easily preventable by due diligence to good construction practise and housekeeping in preventing surface runoff and the spillage of materials.

The basic measures that should be taken are as follows:

- Prepare a drainage plan and mark the manholes to prevent pollutants accidentally reaching the surface water sewers;
- Carry out any activities that could cause pollution in a designated, bunded area, away from rivers or boreholes. Where possible it should drain to the foul sewer;
- Use settlement ponds to remove silty water;
- Store all oils and chemicals in a fully bunded area to prevent leaks or spills;
- Get advice on whether you need an environmental permit and apply in good time

SECTION 9 Engineering Recommendations

9.1 General

Slag expansion testing is currently being undertaken on samples from beneath the footprint of the proposed building. Following receipt of the results, the following recommendations will be revisited and if necessary updated.

9.2 Preparation of Site

Areas of hardstanding should be stripped and removed from beneath the proposed development site.

Allowances should be made for any temporary/permanent support works to any existing adjacent structure necessary as a result of the proposed works.

Contingencies should be made for the protection/diversion of any underground/overhead services present beneath/above the site brought about as a result of the proposed works.

Any reduced levels should be brought up to the required levels with suitable inert mainly granular materials. Department of Transport (DTp) type 2 sub-base or similar should be used and compacted in layers to the requirements of the Specification for Highway Works.

Allowances should also be made for the excavation of any soft spots/areas and their replacement with well compacted imported granular materials.

In accordance with EC Regulation 1272/2008 and Environment Agency Guidance WM3 soils and other materials destined for off-site disposal should be classified on the basis of their hazard phrases prior to disposal. Soils are classified as a mirror entry waste and should be classified on the basis of their specific chemical properties. Terra Firma (Wales) Ltd offer this service if required.

9.3 Foundation and Floor Slab Solution

It is recommended that reinforced concrete strip or trench foundations be used; founded within the made ground at an approximate depth of 0.45m below the existing ground level. An allowable bearing pressure of 75kN/m² may be used for strips up to 750mm wide.

Due to the small amount of expansion recorded (0.09% over 14-days) by the accelerated expansion testing, it is recommended that the foundations be sat upon 300mm of imported Department of Transport (DTp) type 2 sub-base or similar.

It is intended that foundations should remain shallow so that they do not impose significant force upon the Tidal Flat Deposits, which based on geological data, are likely to lie beneath the Blown Sand deposits.

Foundations must sit at least 200mm within the founding horizon.

For the given foundation solutions and bearing pressure, maximum total settlements of <25mm should result with differential movements of the superstructure not exceeding 1:750.

Floor slabs should be designed as suspended.

Allowances should be made for the removal of any 'soft spots' and their replacement with well-compacted granular materials. Department of Transport (DoT) Type 2 materials or similar could be used and should be compacted in layers to the specification for Highway Works.

All foundation formations should be inspected by a suitably qualified Engineer before being concreted.

9.4 Excavations and Formations

Most of the shallow excavations will be possible with normal soil excavating machinery. However breaker attachments may be required when excavating through very dense made ground.

Any water inflows together with rainwater infiltration should be dealt with by conventional pumping techniques. However, it should be noted that during times of heavy rainfall a higher water table will be encountered.

The sides of any excavations deeper than 1.20m, or shallower if unstable, should be supported by planking and strutting or other proprietary means.

The sub-formations/formations are likely to be susceptible to loosening, softening and deterioration by exposure to weather (rain, frost and drying conditions), the action of water (flood water or removal of groundwater) and site traffic.

Formations should never be left unprotected and continuously exposed to rain causing degradation, or left exposed/uncovered overnight, unless permitted by a qualified engineer.

Construction plant and other vehicular traffic should not be operated on unprotected formations.

As a minimum the formation/excavation surfaces must be protected by blinding concrete immediately after exposure.

Allowances should be made for the removal of soft spots/areas and their replacement with well compacted granular materials.

Allowances should also be made for special precautions to prevent formation deterioration in addition to the above.

9.5 Protection of Buried Concrete

When the results are compared with Table C1/C2 of BRE Digest 1:2005, it indicates that buried concrete should generally conform to Class DS-4 AC-4.

9.6 Access Roads and Car Parking Areas

For car parking and road areas, formations within the in-situ natural soils a CBR value of 2% may be used for design purposes.

Allowances should be made for the removal of any 'soft spots/areas' and their replacement with well-compacted granular materials as previously described.

Please note that the Local Council / Highways Authority may require in-situ CBR testing to be undertaken before a road is adopted. In-situ CBR Testing should be performed following earthworks to verify the performance of the engineered fill.

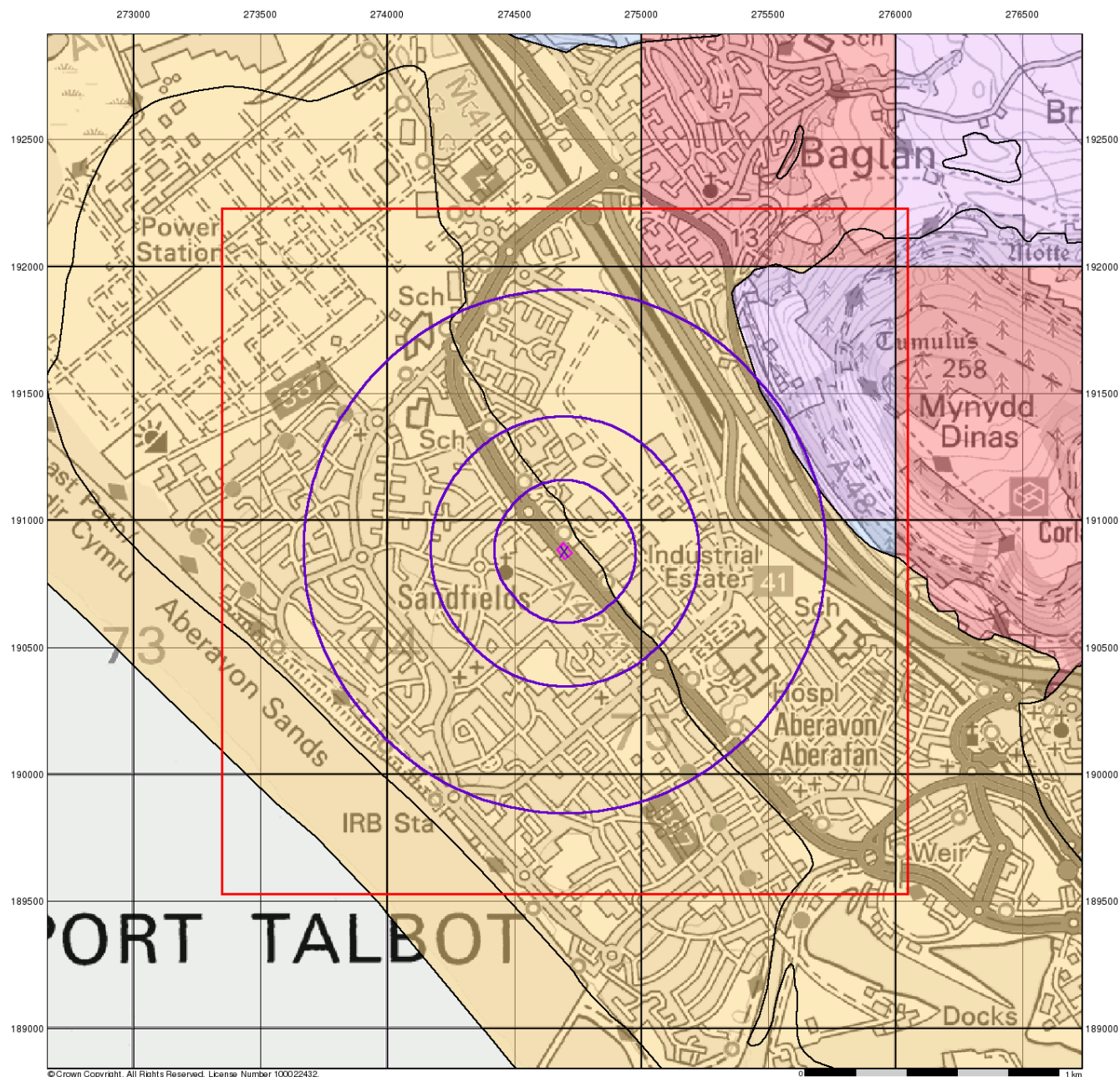
9.7 Storm Water Drainage

During the site investigation one soakaway test was undertaken in general accordance with BRE DG 365:2016. The soakaway test was carried out in trial pit TP01 within natural materials.

The soakaway test recorded insufficient infiltration and was subsequently terminated early. Shallow groundwater inflows were also recorded within the shallow natural soils at 2.6m.

It is considered that soakaway storm water draining is unsuitable at the site.

**ANNEX A
Envirocheck Report**



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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

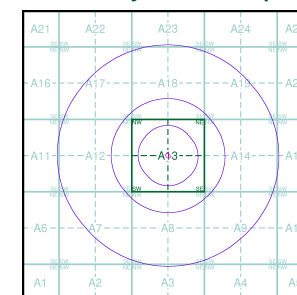
Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

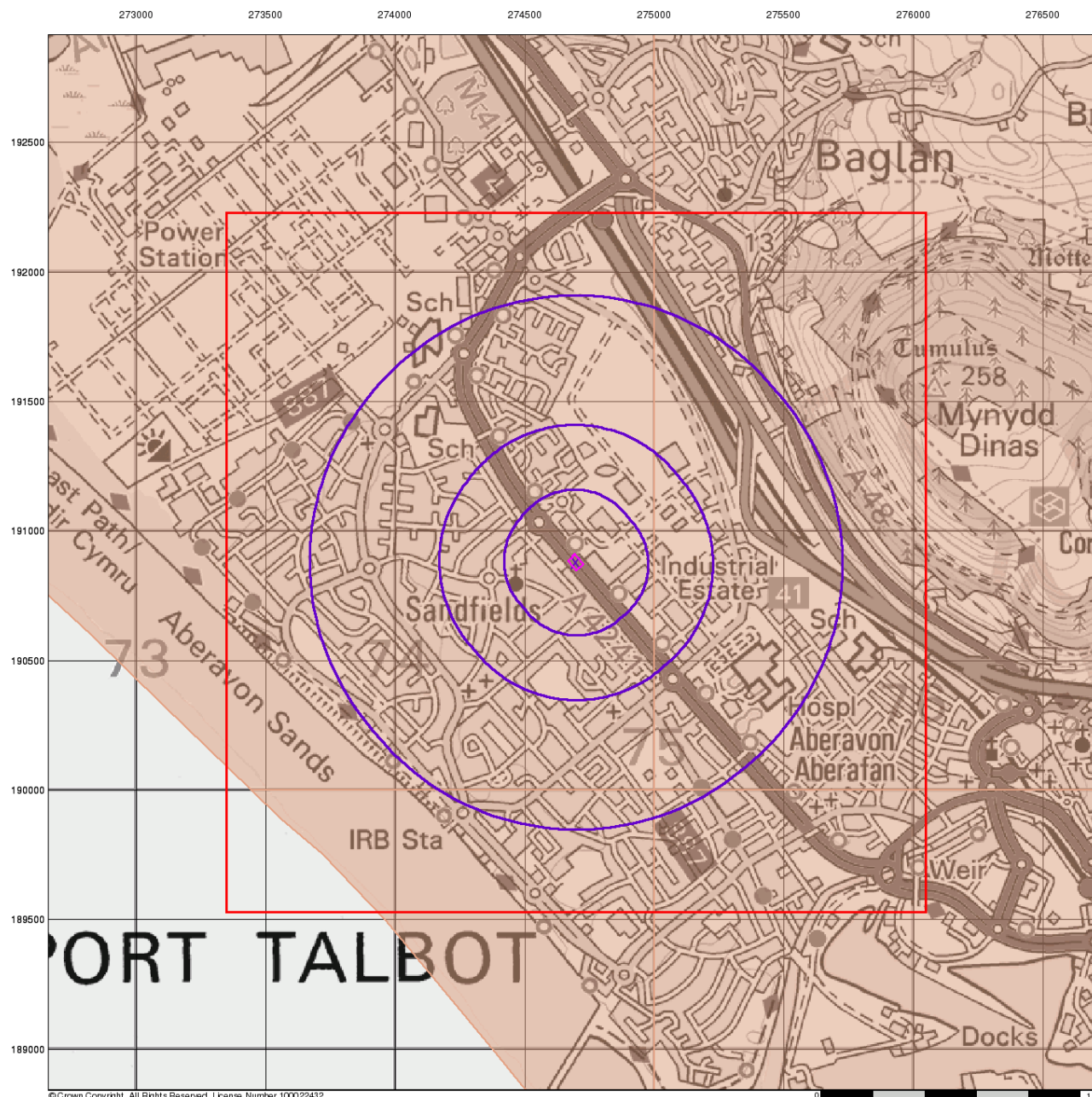
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 National Grid Reference: 274700, 190880
 Slice: A
 Site Area (Ha): 0.17
 Search Buffer (m): 1000

Site Details

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0 1 km



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Bedrock Aquifer Designation

General

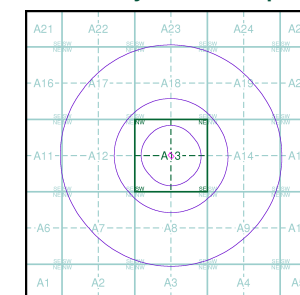
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

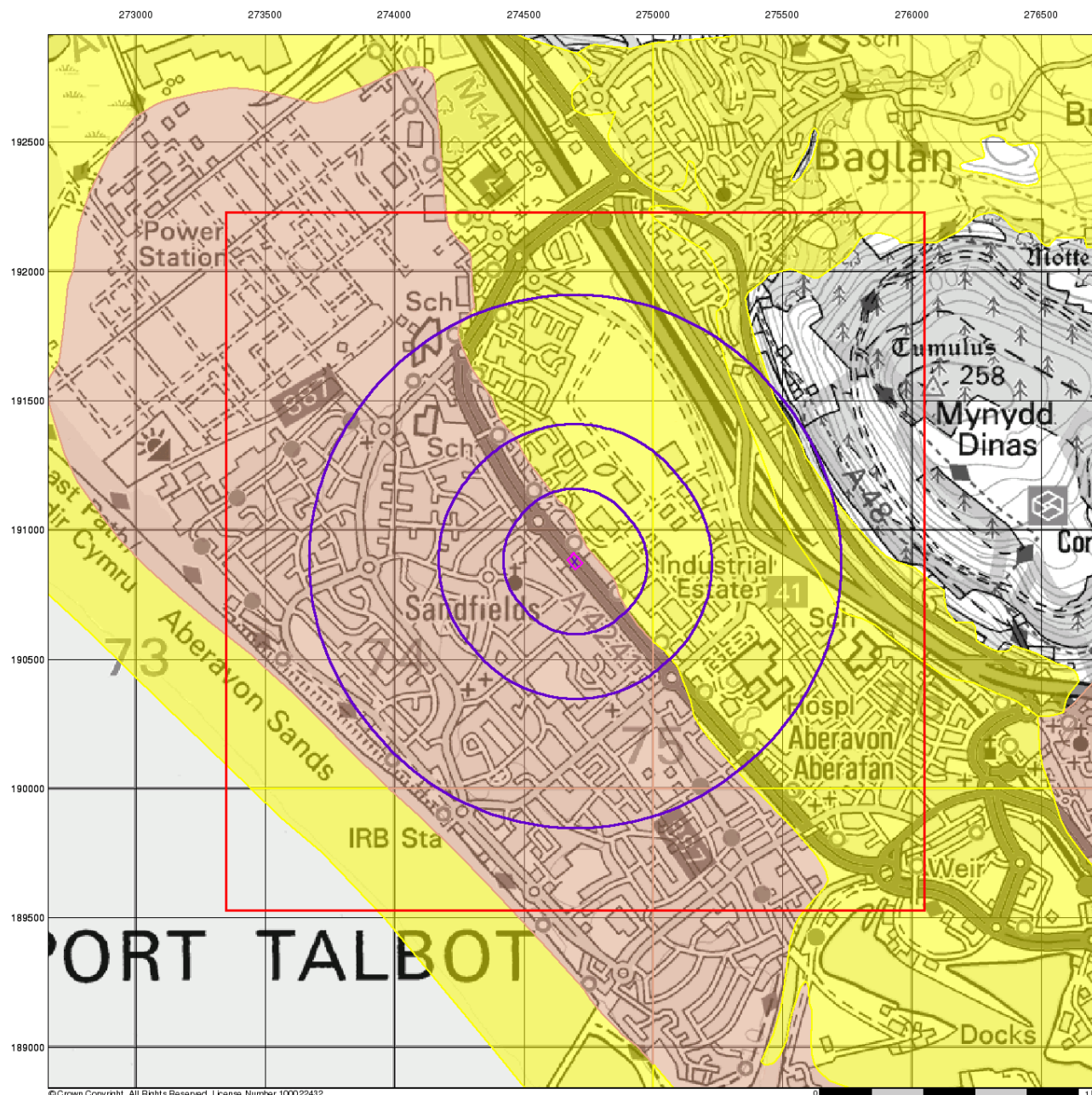
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Superficial Aquifer Designation

General

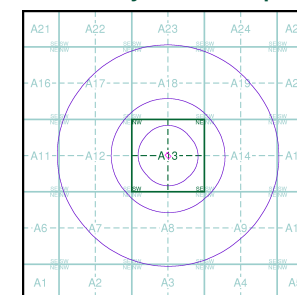
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- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

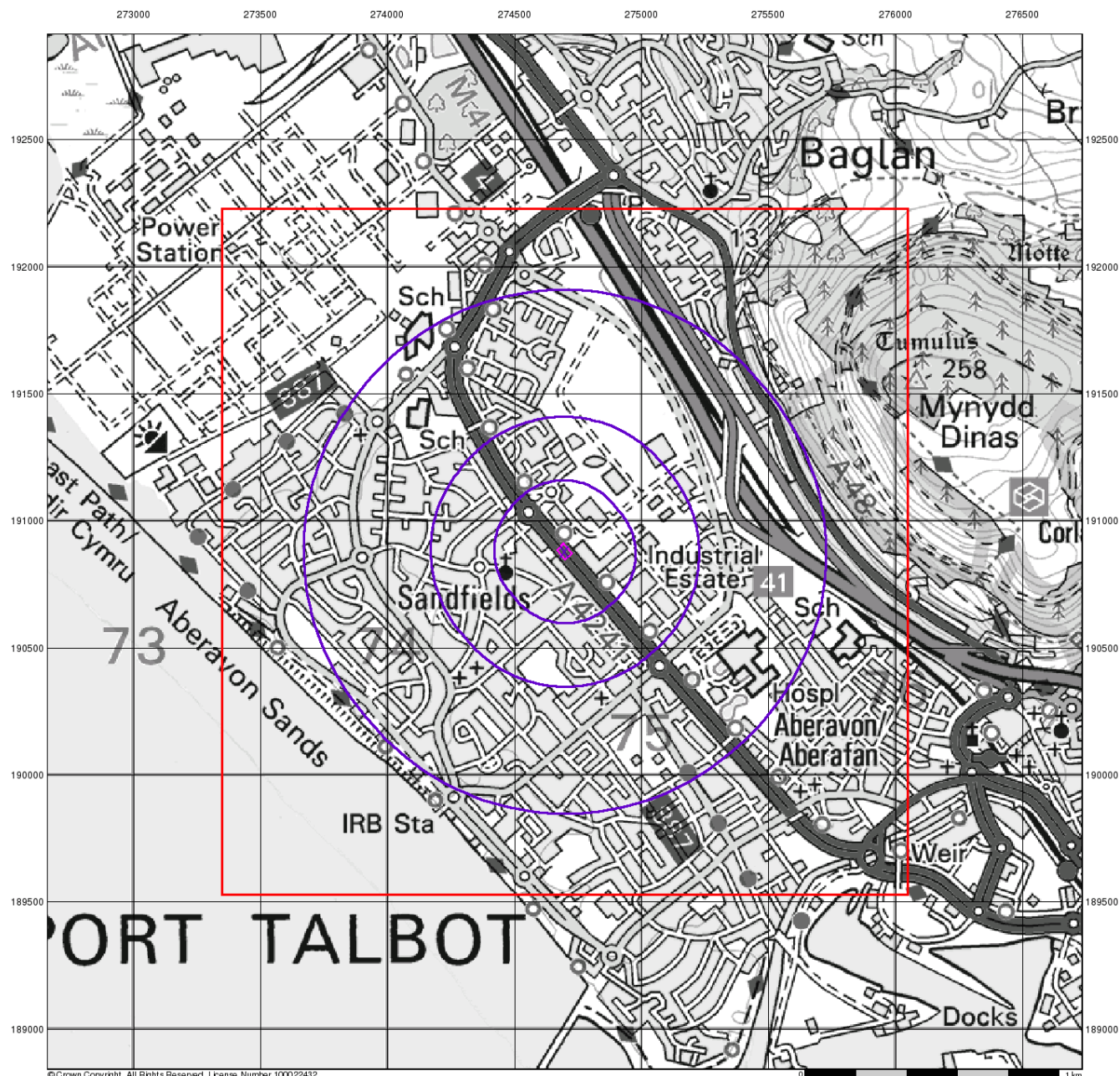
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Source Protection Zones

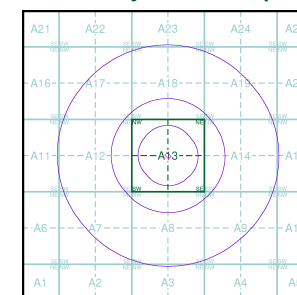
General

- 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

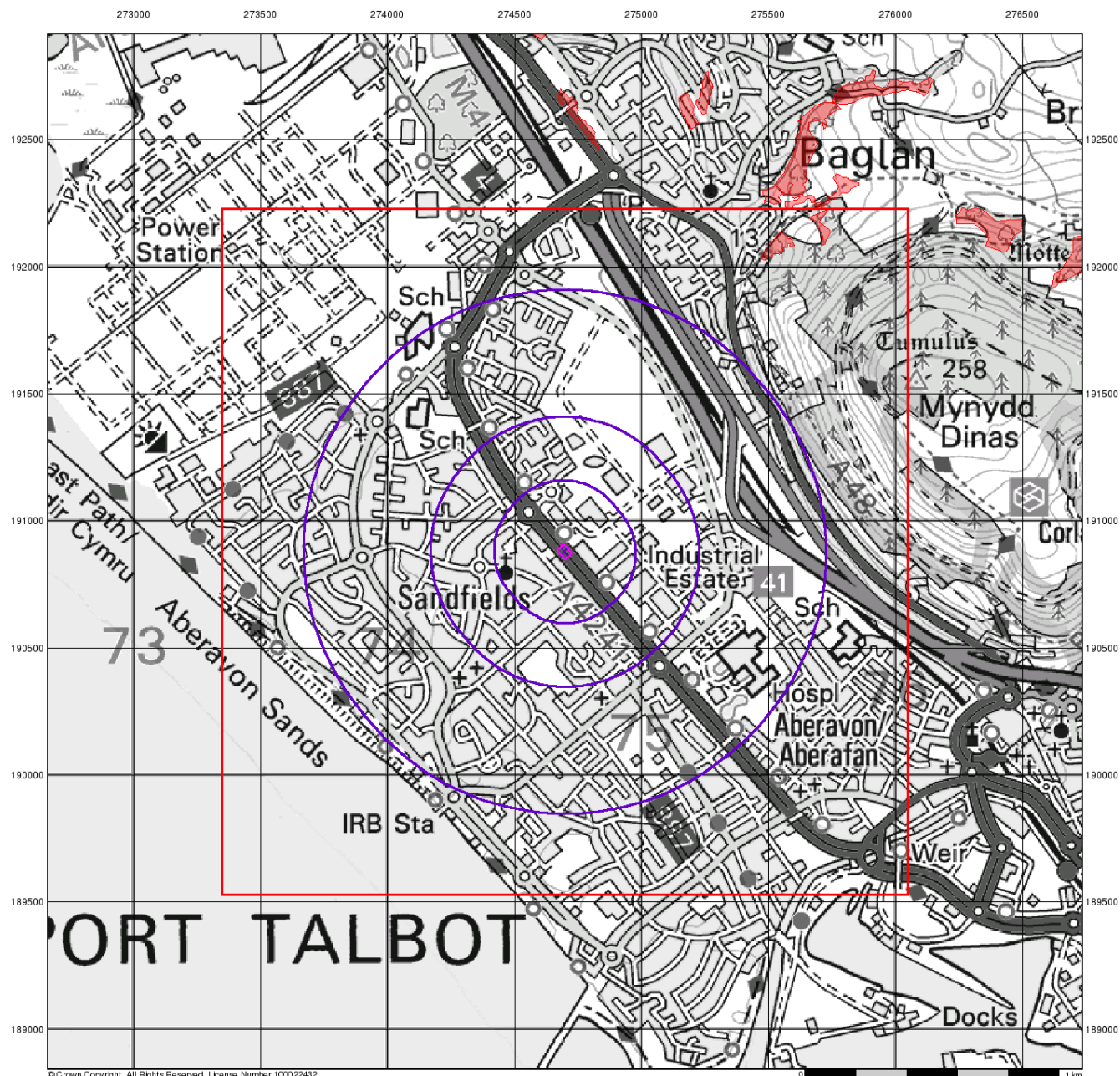
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Sensitive Land Uses

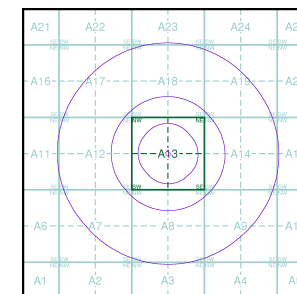
General

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

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

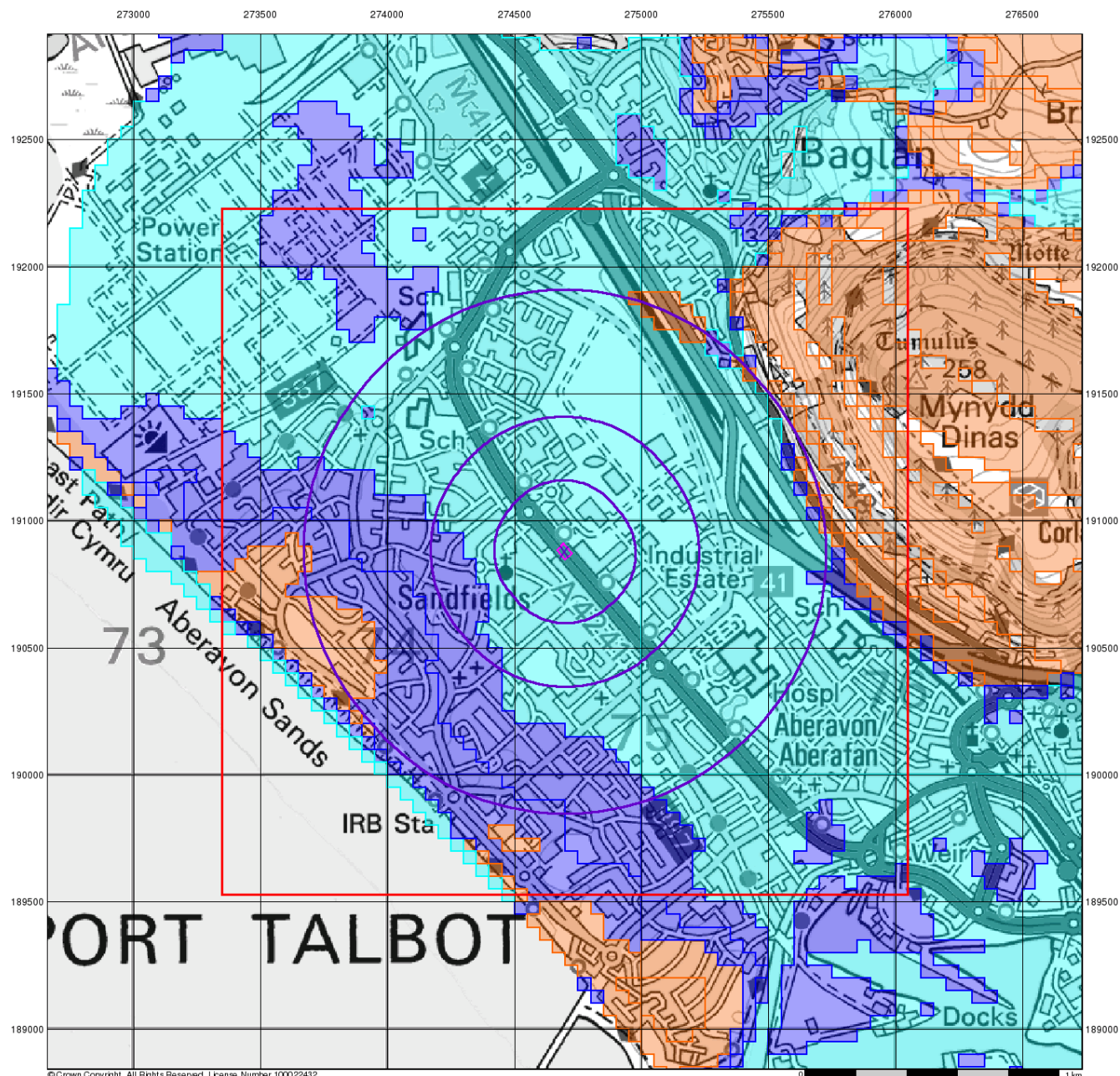
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BGS Flood GFS Data

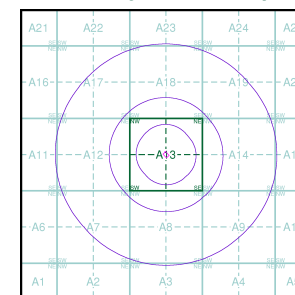
General

- Specified Site
- Specified Buffer(s)
- 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: 285022966_1_1
 Customer Ref: 16843
 National Grid Reference: 274700, 190880
 Slice: A
 Site Area (Ha): 0.17
 Search Buffer (m): 1000

Site Details

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Datasheet

Order Details:

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274700, 190880

Slice:

A

Site Area (Ha):

0.17

Search Buffer (m):

1000

Site Details:

Christchurch Road
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Client Details:

Ms R Liley
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5 Deryn Court
Wharfdale Road
Pentwyn
Cardiff
CF23 7HB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	-
Geological	17
Industrial Land Use	23
Sensitive Land Use	-
Data Currency	35
Data Suppliers	41
Useful Contacts	42

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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				3
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 1				3
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2		2	1	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3				Yes
Pollution Incidents to Controlled Waters	pg 3				3
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 3			3	4
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 5			1	
Water Abstractions	pg 5				(*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 6		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 7				28

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 11				3
Local Authority Landfill Coverage	pg 11	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 11				1
Potentially Infilled Land (Non-Water)	pg 11				1
Potentially Infilled Land (Water)	pg 11		8	24	60
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 17	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 17	Yes	Yes		Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 18		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 21	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 21	Yes	n/a	n/a	n/a
Mining Instability	pg 21	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 21	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 23		16	31	30
Fuel Station Entries	pg 30		1		1
Points of Interest - Commercial Services	pg 30		3		10
Points of Interest - Education and Health	pg 31				8
Points of Interest - Manufacturing and Production	pg 32		3	2	3
Points of Interest - Public Infrastructure	pg 32		6	2	4
Points of Interest - Recreational and Environmental	pg 33			1	7
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
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
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (N)	0	1	274697 190878
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	275	1	275000 190878
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	301	1	274400 190750
1	Discharge Consents Operator: Mr S E McCreesh Property Type: Domestic Property (Multiple) Location: The Pines & The Oaks Stycellwen Lan, Stycellwen Lane Baglan Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bm0024201 Permit Version: 1 Effective Date: 30th June 1982 Issued Date: 30th June 1982 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Land/Soakaway Environment: Receiving Water: Underground Strata Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	905	2	275310 191570
1	Discharge Consents Operator: Mr G Platt Property Type: Domestic Property (Multiple) Location: The Pines & The Oaks Stycellwen Lan, Stycellwen Lane Baglan Port Talbot Authority: Natural Resources Wales Catchment Area: Not Given Reference: BM0024201 Permit Version: 1 Effective Date: 30th June 1982 Issued Date: 30th June 1982 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Land/Soakaway Environment: Receiving Water: Underground Strata Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	905	2	275310 191570
1	Discharge Consents Operator: The Occupier Property Type: Undefined Or Other Location: 25 Thornbury Close Pentwyn Baglan P, Pentwyn Baglan Port Talbot Authority: Natural Resources Wales Catchment Area: River Neath Reference: Bp0107601 Permit Version: 1 Effective Date: 16th September 1988 Issued Date: 16th September 1988 Revocation Date: 10th October 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	942	2	275310 191620
2	Integrated Pollution Prevention And Control Name: Tech Assemblies Ltd Location: Baglan Non Ferrous Metal Pressings, Unit 16, Baglan Industrial Estate, Port Talbot, West Glamorgan, SA12 7BY Authority: Natural Resources Wales Permit Reference: Bv2590id Original Permit Ref: Bk9555if Effective Date: 24th October 2007 Status: Revoked Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the address or location Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Y	A14NW (E)	532	2	275257 190887

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Integrated Pollution Prevention And Control Name: Tech Assemblies Ltd Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Authority: Environment Agency, Welsh Region Permit Reference: Bk9555 Original Permit Ref: Bk9555 Effective Date: 30th November 2001 Status: Superseded By Variation Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Not Supplied	A14NW (E)	533	3	275258 190887
2	Integrated Pollution Prevention And Control Name: Tech Assemblies Ltd Location: Baglan Non Ferrous Metal Pressings, Unit 16, Baglan Industrial Estate, Port Talbot, West Glamorgan, SA12 7BY Authority: Natural Resources Wales Permit Reference: Bk9555if Original Permit Ref: Bk9555if Effective Date: 30th November 2001 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Y	A14NW (E)	533	2	275258 190887
3	Local Authority Pollution Prevention and Controls Name: CRS (Food) Limited Location: Pioneer Filling Station, Baglan Moor, PORT TALBOT, West Glamorgan, SA12 7BY Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/68 Dated: 1st October 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A13NW (N)	203	4	274644 191106
3	Local Authority Pollution Prevention and Controls Name: W M Morrison Supermarkets Plc Location: Christchurch Road, Baglan Industrial Park, PORT TALBOT, SA12 7BZ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/100 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13NW (N)	204	4	274644 191107
4	Local Authority Pollution Prevention and Controls Name: Weartech International Limited Location: Unit 1, Moor Road, Baglan, Port Talbot, SA12 7bj Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/138 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	327	4	274903 191159
5	Local Authority Pollution Prevention and Controls Name: Envases Uk Limited Location: Unit 1 Christchurch Road, Baglan Industrial Estate, Port Talbot, West Glamorgan, SA12 7BZ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/14 Dated: 9th December 1993 Process Type: Local Authority Air Pollution Control Description: PG6/7 Printing and coating of metal packaging Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	525	4	275158 191166

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Local Authority Pollution Prevention and Controls Name: Matsuhita Electronic Components (Uk) Ltd Location: Baglan Industrial Estate, Christchurch Road, Baglan, NEATH, West Glamorgan, SA12 7DJ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/90 Dated: 20th June 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Permitted Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	534	4	275071 191286
7	Local Authority Pollution Prevention and Controls Name: Murco Petroleum Limited Location: Princes Margaret Way, PORT TALBOT, West Glamorgan, SA12 7PE Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/76 Dated: 26th February 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	999	4	274243 189960
	Nearest Surface Water Feature	A14NW (E)	605	-	275293 191077
8	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Baglan Moors, BAGILLT Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 25th July 1996 Incident Reference: 29289 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	A19SW (NE)	718	3	275100 191500
9	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Comprehensive School, Seaway Parade, Sandfiel Downstream, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Deliberate Incident Date: 10th February 1997 Incident Reference: 31195 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	A17SE (NW)	768	3	274100 191400
10	Pollution Incidents to Controlled Waters Property Type: Not Given Location: West End, Service Station, Port Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 25th January 1996 Incident Reference: 27331 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	A19NW (NE)	920	3	275300 191600
11	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath Port Talbot Hospital, Afan Way, Port Talbot, West Glamorgan, Sa12 6nr Authority: Natural Resources Wales Permit Reference: Bt5407 Dated: 29th November 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	345	2	274437 191142

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath Port Talbot Hospital, Afan Way, Port Talbot, West Glamorgan, SA12 6NR Authority: Natural Resources Wales Permit Reference: CC0027 Dated: 4th January 2008 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m	A14SW (E)	381	2	275100 190800
13	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath Port Talbot Hospital, Afan Way, Port Talbot, West Glamorgan, Sa12 6nr Authority: Natural Resources Wales Permit Reference: Bt5377 Dated: 29th November 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	500	2	275011 190457
14	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath Port Talbot Hospital, Afan Way, Port Talbot, West Glamorgan, Sa12 6nr Authority: Natural Resources Wales Permit Reference: Bw8917 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	687	2	275298 190490
15	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Local Health Board Location: Neath Port Talbot Hospital, Baglen Way, PORT TALBOT, West Glamorgan, SA12 7BX Authority: Natural Resources Wales Permit Reference: CD9852 Dated: 23rd September 2009 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Automatically positioned to the address	A9NE (SE)	788	2	275402 190466
15	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath Port Talbot Hospital, Afan Way, PORT TALBOT, West Glamorgan, SA12 6NR Authority: Natural Resources Wales Permit Reference: CC9687 Dated: 29th October 2008 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	788	2	275402 190466
15	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath Port Talbot Hospital, Afan Way, PORT TALBOT, West Glamorgan, SA12 6NR Authority: Natural Resources Wales Permit Reference: CC9695 Dated: 29th October 2008 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	788	2	275402 190466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 26th March 2009 Incident Reference: 664863 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke Pollutant: Contaminated Water: Firefighting Run-Off	A13SE (SE)	410	2	275002 190567
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: 101 Location: River Afan To Port Talbot Docks Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling 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: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1722	2	275980 189690
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: 101 Location: River Afan To Port Talbot Docks Authority: Natural Resources Wales Abstraction: Metal: Process Water 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: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1722	2	275980 189690
	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/61/0009 Permit Version: 100 Location: River Afan To Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Afan To Port Talbot Docks Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NW (SE)	1722	3	275980 189690
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: Not Supplied Location: Land At British Steel, Port Talbot Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling 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	A5NW (SE)	1722	2	275980 189690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: Not Supplied Location: Land At British Steel, Port Talbot Authority: Natural Resources Wales Abstraction: Metal: Process Water 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	A5NW (SE)	1722	2	275980 189690
	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/61/0009 Permit Version: 100 Location: River Afan To Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water 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: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1726	3	275980 189685
	Water Abstractions Operator: Environment Agency Licence Number: Wa/058/0061/007 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Impounding Abstraction Type: Not Supplied 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	A5NE (SE)	1734	2	276054 189756
	Groundwater Vulnerability Map 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: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13SW (N)	0	2	274697 190878
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (N)	0	2	274697 190878
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (N)	0	2	274697 190878
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	64	2	274747 190943

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1090.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	608	5	275298 191075
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 794.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (E)	623	5	275317 191066
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 373.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (NE)	709	5	275364 191176
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	709	5	275343 191217
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NW (NE)	713	5	275354 191206
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 628.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	716	5	275305 191289
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	730	5	275312 191304
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 381.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	741	5	275360 191251

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	742	5	275364 191248
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A19NW (NE)	749	5	275035 191574
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 338.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SE (NE)	750	5	275382 191232
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SE (NE)	750	5	275381 191233
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 599.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SW (NE)	779	5	275362 191319
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 151.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SE (NE)	779	5	275392 191272
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	798	5	274990 191650
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 293.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NW (NE)	822	5	275170 191578
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 277.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19SE (NE)	825	5	275376 191376

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NW (NE)	884	5	275230 191611
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 189.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	908	5	274978 191771
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	968	5	274987 191831
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A18NE (N)	968	5	274987 191831
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A18NE (N)	971	5	275001 191829
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	974	5	275016 191828
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A18NE (N)	974	5	275016 191828
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A19NW (N)	983	5	275042 191828
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A19NW (N)	983	5	275042 191828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A19NW (N)	987	5	275049 191830
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 2	A19NW (N)	987	5	275049 191830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	Licensed Waste Management Facilities (Locations) Licence Number: SP3898ED Location: Unit 16 Baglan Industrial Estate, Port Talbot, N P T, Neath Port Talbot, SA12 7DJ Operator Name: Tyregenics Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Physico-chemical Treatment Facilities Licence Status: Expired Issued: 30th June 2008 Last Modified: Not Supplied Expires: 2nd March 2010 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	528	2	275200 191100
46	Licensed Waste Management Facilities (Locations) Licence Number: EP3198FW Location: Neath And Port Talbot Hospital, Neath & Port Talbot Hospital, Baglan Way, Port Talbot, N P T, Neath Port Talbot, SA12 7BX Operator Name: Veolia Energy & Utilities Services UK Plc Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Clinical Waste Transfer Station Licence Status: Effective Issued: 3rd June 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	896	2	275501 190422
46	Licensed Waste Management Facilities (Locations) Licence Number: 34208 Location: Neath & Port Talbot Hospital, Baglan Way, Port Talbot, SA12 7BX Operator Name: Dalkia Utilities Services Plc Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Clinical Waste Transfer Stations Licence Status: Modified Issued: 6th June 2003 Last Modified: 7th March 2013 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	896	2	275501 190422
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	4	274697 190878
47	Local Authority Recorded Landfill Sites Location: Baglan Landfill (Hospital Site) Reference: Not Supplied Authority: Neath Port Talbot County Borough Council, Environmental Health Department Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A9NE (SE)	822	4	275400 190400
48	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A8SE (S)	886	-	274810 189969
49	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	41	-	274740 190915
50	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (N)	81	-	274711 190987
51	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (SE)	123	-	274829 190804

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (E)	152	-	274861 190941
53	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (N)	153	-	274691 191061
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (N)	161	-	274725 191067
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (N)	197	-	274644 191099
56	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13SE (SE)	240	-	274926 190739
57	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (E)	296	-	275013 190938
58	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (E)	301	-	275026 190896
59	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (N)	303	-	274633 191206
60	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13SE (SE)	306	-	274951 190663
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (E)	312	-	275021 190971
62	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (E)	312	-	275017 190982
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (SE)	312	-	274964 190669
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13SE (SE)	325	-	274980 190668
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	330	-	274704 191238
66	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (E)	332	-	275025 191012
67	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (NW)	334	-	274485 191170
68	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (E)	344	-	275059 190789
69	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	349	-	274631 191252
70	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	351	-	274991 191098
71	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	374	-	274727 191281
72	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (E)	379	-	275093 190780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (E)	386	-	275109 190910
74	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (SE)	413	-	275086 190669
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (E)	444	-	275136 191038
76	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	448	-	274752 191353
77	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (E)	462	-	275148 191054
78	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (E)	464	-	275151 191054
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (SE)	489	-	275170 190666
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A9NW (SE)	493	-	275073 190520
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (NW)	505	-	274368 191296
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (E)	507	-	275216 190997
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (SE)	509	-	275182 190645
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	537	-	274758 191442
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	539	-	274823 191432
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (E)	541	-	275227 190666
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	541	-	274591 191441
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (NE)	542	-	275026 191336
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (NW)	556	-	274436 191402
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (SE)	559	-	275226 190621
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	561	-	274756 191466
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	563	-	274502 191439
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	565	-	274606 191467

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	576	-	274808 191473
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	578	-	275042 191369
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (NE)	582	-	275252 191119
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	586	-	274873 191466
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (E)	588	-	275294 191016
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (NE)	589	-	275242 191153
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	594	-	274889 191470
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NW (E)	611	-	275331 190949
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (SE)	623	-	275265 190558
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (NE)	624	-	274974 191466
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	631	-	274769 191536
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (E)	640	-	275331 190665
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A19SW (NE)	640	-	275161 191345
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SW (E)	645	-	275336 190662
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A19SW (NE)	655	-	275130 191396
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (N)	656	-	274720 191565
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NW (N)	680	-	274545 191573
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A19SW (NE)	690	-	275141 191433
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NE (E)	719	-	275388 191149
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NE (E)	719	-	275406 191098
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (NE)	726	-	275025 191554

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NE (E)	727	-	275429 191054
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NE (E)	729	-	275443 190998
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12NW (W)	730	-	273939 190887
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (N)	752	-	274723 191660
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14NE (E)	780	-	275504 190912
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NW (N)	782	-	274506 191668
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SE (E)	793	-	275484 190640
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A19SW (NE)	819	-	275253 191506
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A19SW (NE)	825	-	275257 191511
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12NW (W)	832	-	273890 191174
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SW (NW)	841	-	273942 191305
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NW (N)	860	-	274575 191761
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SW (NW)	862	-	273879 191227
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A19NW (NE)	870	-	275216 191604
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A9NE (SE)	874	-	275398 190312
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A17SW (NW)	887	-	274001 191468
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A17SW (NW)	891	-	273895 191323
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NW (N)	897	-	274641 191804
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NW (N)	906	-	274662 191814
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	908	-	275205 191658
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (N)	924	-	274862 191817

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A19NW (NE)	931	-	275103 191744
137	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NW (N)	933	-	274650 191841
138	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A14SE (E)	955	-	275655 190653
139	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	973	-	275174 191754
140	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	997	-	275149 191796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13SW (N)	0	1	274697 190878
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (N)	0	1	274697 190878
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	55	1	274752 190924
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14NE (E)	788	1	275474 191117
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	936	1	275167 191716
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	945	1	275280 191650
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NW (N)	957	1	274609 191862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SE (NE)	958	1	275590 191283
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	992	1	275460 191537
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19NW (NE)	998	1	275344 191665
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274730, 190770 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 35.40 mg/kg Concentration: Cadmium Measured 1.30 mg/kg Concentration: Chromium Measured 78.60 mg/kg Concentration: Lead Measured 234.60 mg/kg Concentration: Nickel Measured 37.10 mg/kg Concentration:	A13SE (S)	84	1	274730 190770
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 191240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 26.60 mg/kg Concentration: Cadmium Measured 0.90 mg/kg Concentration: Chromium Measured 92.80 mg/kg Concentration: Lead Measured 100.20 mg/kg Concentration: Nickel Measured 50.30 mg/kg Concentration:	A18SE (N)	336	1	274750 191240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274220, 190760 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 19.60 mg/kg Concentration: Cadmium Measured 0.80 mg/kg Concentration: Chromium Measured 67.70 mg/kg Concentration: Lead Measured 179.50 mg/kg Concentration: Nickel Measured 24.00 mg/kg Concentration:	A12SE (W)	466	1	274220 190760
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275260, 190750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 21.30 mg/kg Concentration: Cadmium Measured 0.80 mg/kg Concentration: Chromium Measured 86.60 mg/kg Concentration: Lead Measured 90.20 mg/kg Concentration: Nickel Measured 26.80 mg/kg Concentration:	A14SW (E)	548	1	275260 190750
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274780, 190300 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 18.40 mg/kg Concentration: Cadmium Measured 0.90 mg/kg Concentration: Chromium Measured 62.90 mg/kg Concentration: Lead Measured 119.00 mg/kg Concentration: Nickel Measured 25.40 mg/kg Concentration:	A8NE (S)	554	1	274780 190300
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274250, 191250 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 20.90 mg/kg Concentration: Cadmium Measured 1.00 mg/kg Concentration: Chromium Measured 62.70 mg/kg Concentration: Lead Measured 117.60 mg/kg Concentration: Nickel Measured 28.20 mg/kg Concentration:	A17SE (NW)	557	1	274250 191250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275180, 191210 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 71.70 mg/kg Concentration: Cadmium Measured 1.10 mg/kg Concentration: Chromium Measured 62.80 mg/kg Concentration: Lead Measured 66.60 mg/kg Concentration: Nickel Measured 61.50 mg/kg Concentration:	A14NW (NE)	568	1	275180 191210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274270, 190250 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 13.90 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 54.30 mg/kg Concentration: Lead Measured 295.70 mg/kg Concentration: Nickel Measured 21.20 mg/kg Concentration:	A7NE (SW)	737	1	274270 190250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275210, 190210 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 12.00 mg/kg Concentration: Cadmium Measured 0.60 mg/kg Concentration: Chromium Measured 81.40 mg/kg Concentration: Lead Measured 41.50 mg/kg Concentration: Nickel Measured 16.80 mg/kg Concentration:	A9NW (SE)	817	1	275210 190210
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 191750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 13.00 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 83.20 mg/kg Concentration: Lead Measured 39.10 mg/kg Concentration: Nickel Measured 34.00 mg/kg Concentration:	A18NE (N)	843	1	274750 191750
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274260, 191740 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 31.50 mg/kg Concentration: Cadmium Measured 1.30 mg/kg Concentration: Chromium Measured 561.50 mg/kg Concentration: Lead Measured 305.90 mg/kg Concentration: Nickel Measured 22.70 mg/kg Concentration:	A17NE (NW)	937	1	274260 191740
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 273720, 190750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 19.30 mg/kg Concentration: Cadmium Measured 1.00 mg/kg Concentration: Chromium Measured 82.00 mg/kg Concentration: Lead Measured 101.50 mg/kg Concentration: Nickel Measured 29.30 mg/kg Concentration:	A12SW (W)	959	1	273720 190750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 273740, 191240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 18.30 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 58.30 mg/kg Lead Measured Concentration: 106.90 mg/kg Nickel Measured Concentration: 24.70 mg/kg	A17SW (W)	996	1	273740 191240
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Swansea Count Id: 368 Arsenic Minimum Concentration: 8.00 mg/kg Arsenic Average Concentration: 79.00 mg/kg Arsenic Maximum Concentration: 2161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 2.90 mg/kg Cadmium Maximum Concentration: 61.90 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 72.00 mg/kg Chromium Maximum Concentration: 562.00 mg/kg Lead Minimum Concentration: 23.00 mg/kg Lead Average Concentration: 413.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 8.00 mg/kg Nickel Average Concentration: 52.00 mg/kg Nickel Maximum Concentration: 384.00 mg/kg	A13SW (N)	0	1	274697 190878
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (N)	0	6	274697 190878
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (N)	0	-	274697 190878
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	274697 190878
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	274697 190878
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	18	1	274669 190855
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	220	1	274611 191113
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	274697 190878

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	274697 190878
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	274697 190878
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	18	1	274669 190855
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	220	1	274611 191113
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	274697 190878
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	48	1	274747 190920
	Radon Potential - Radon Affected Areas 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	A13SW (N)	0	1	274697 190878
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	274697 190878

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	Contemporary Trade Directory Entries Name: Dh Logistics Services Location: Christchurch Rd, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7BZ Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	99	-	274792 190943
142	Contemporary Trade Directory Entries Name: Car & Van Value Location: Acacia Av, Port Talbot, West Glamorgan, SA12 7DP Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	114	-	274558 190860
143	Contemporary Trade Directory Entries Name: Direct Stationery M F G Ltd Location: Acacia Avenue, Port Talbot, West Glamorgan, SA12 7DP Classification: Stationery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	134	-	274711 190714
144	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	162	-	274788 191039
145	Contemporary Trade Directory Entries Name: Afan Vale Sandwich Fillings Ltd Location: Unit 30 Baglan Way, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7BY Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (E)	170	-	274892 190839
145	Contemporary Trade Directory Entries Name: K E Supplies Location: Unit 31, Aberafon Road, Baglan Industrial Park, Port Talbot, SA12 7DJ Classification: Cleaning Materials & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	184	-	274908 190853
145	Contemporary Trade Directory Entries Name: Amps Location: Unit 32, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	196	-	274921 190863
146	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A13NW (N)	202	-	274647 191106
147	Contemporary Trade Directory Entries Name: Jenncott Shoulder Padding Co Location: Unit 26/27, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Clothing Accessory Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	210	-	274909 190768
147	Contemporary Trade Directory Entries Name: N D Printing Ltd Location: Unit 26, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	215	-	274921 190781
147	Contemporary Trade Directory Entries Name: Pugh Colour Printers Ltd Location: Unit 26, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	215	-	274921 190781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	Contemporary Trade Directory Entries Name: Plexus Lpg Conversions Location: Unit 26, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	215	-	274921 190781
147	Contemporary Trade Directory Entries Name: Lifting Gear & Safety Location: Unit 26, Aberavon Road, Baglan Industrial Park, Port Talbot, SA12 7DJ Classification: Lifting Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	215	-	274921 190781
147	Contemporary Trade Directory Entries Name: D H Logistics Services Ltd Location: Unit 25, Aberavon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	223	-	274935 190795
147	Contemporary Trade Directory Entries Name: Component Print Ltd Location: Unit 24, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	231	-	274947 190806
148	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DA Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NW (N)	247	-	274597 191137
149	Contemporary Trade Directory Entries Name: S E I Interconnect Products (Europe) Ltd Location: Unit 34, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	273	-	274996 190905
150	Contemporary Trade Directory Entries Name: Component Print Ltd Location: Unit 15, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	281	-	274966 190725
150	Contemporary Trade Directory Entries Name: Components Finishers Ltd Location: Unit 15, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	281	-	274966 190725
151	Contemporary Trade Directory Entries Name: Scrap Yard In Port Tolbot Htt Location: Unit 30, Port Talbot, West Glamorgan, sa12 7dj Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	288	-	274984 190743
151	Contemporary Trade Directory Entries Name: Cam Engineering Location: Unit 17, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Machine Tools - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	288	-	274984 190743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	Contemporary Trade Directory Entries Name: Howdens Joinery Co Location: Unit 17, Aberavon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	288	-	274984 190743
151	Contemporary Trade Directory Entries Name: M H M Location: Unit 3, Aberavon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Power Transmission Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	316	-	275024 190768
151	Contemporary Trade Directory Entries Name: Vizor Tempered Glass Ltd Location: Unit 21, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Glass Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	316	-	275024 190768
151	Contemporary Trade Directory Entries Name: Screwfix Location: Baglan Industrial Estate, Aberavon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	342	-	275059 190795
152	Contemporary Trade Directory Entries Name: A Cochlin & Co Location: 98, Southdown Road, Port Talbot, West Glamorgan, SA12 7HS Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	291	-	274380 190852
153	Contemporary Trade Directory Entries Name: Weartech Location: Moor Road, Port Talbot, West Glamorgan, SA12 7BJ Classification: Foundries Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	308	-	274889 191147
153	Contemporary Trade Directory Entries Name: Atlantic Systems Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	308	-	274889 191147
153	Contemporary Trade Directory Entries Name: Atlantic Systems Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	308	-	274889 191147
153	Contemporary Trade Directory Entries Name: Awco Ltd Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	308	-	274889 191147
153	Contemporary Trade Directory Entries Name: Elecbrand Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	308	-	274889 191147

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Contemporary Trade Directory Entries Name: Cornelius Electronics Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	308	-	274889 191147
154	Contemporary Trade Directory Entries Name: Power Clean Services Location: 86, Southdown Road, Port Talbot, West Glamorgan, SA12 7HS Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	319	-	274360 190805
155	Contemporary Trade Directory Entries Name: Priority Pneumatic Location: 47, Southville Road, Port Talbot, West Glamorgan, SA12 7DT Classification: Pneumatic Systems & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	347	-	274328 190938
156	Contemporary Trade Directory Entries Name: Generation Plastering Building Location: Home, Port Talbot, West Glamorgan, SA12 6tq Classification: Builders' Tools & Equipment Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	365	-	274740 190485
157	Contemporary Trade Directory Entries Name: Isotemp (Ductwork) Ltd Location: Baglan Way, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7BY Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SW (SE)	378	-	275036 190654
158	Contemporary Trade Directory Entries Name: Vega Nutritionals Location: Unit 3-4 Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BZ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	393	-	275059 191077
158	Contemporary Trade Directory Entries Name: Krunchie Ltd Location: Unit 2, Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	393	-	275059 191077
158	Contemporary Trade Directory Entries Name: Cultech Location: Unit 2, Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BZ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	395	-	275061 191077
158	Contemporary Trade Directory Entries Name: Interpak Ltd Location: Unit 2, Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BZ Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	395	-	275061 191077
159	Contemporary Trade Directory Entries Name: Dale Electronics Location: 63, Vivian Park Drive, Port Talbot, West Glamorgan, SA12 6RP Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	398	-	274823 190469
160	Contemporary Trade Directory Entries Name: Envico Engineering Location: Unit 8, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	417	-	275142 190849

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	Contemporary Trade Directory Entries Name: Bartlett Engineering S W Ltd Location: Unit 7, Aberavon Road, Baglan Industrial Park, PORT TALBOT, West Glamorgan, SA12 7DJ Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	427	-	275095 190657
162	Contemporary Trade Directory Entries Name: Volac International Location: Unit 12, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	433	-	275136 190734
163	Contemporary Trade Directory Entries Name: Engineering Repairs & Services Ltd Location: Unit 6, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	480	-	275197 190783
164	Contemporary Trade Directory Entries Name: Theatre Quest Location: 4, Morrison Road, Port Talbot, West Glamorgan, SA12 6TG Classification: Hi-Fi Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	480	-	274782 190375
165	Contemporary Trade Directory Entries Name: M H M Plant Location: Unit 3, Aberavon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	488	-	275065 190519
166	Contemporary Trade Directory Entries Name: Just Deliveries Location: 21, Windsor Village, Port Talbot, West Glamorgan, SA12 7EU Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	502	-	274536 191386
166	Contemporary Trade Directory Entries Name: Pioneer Maintenance Services Location: 41, Pentre Afan, Baglan, Port Talbot, West Glamorgan, SA12 7RN Classification: Swimming Pool Contractors, Repairers & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	531	-	274497 191403
167	Contemporary Trade Directory Entries Name: Vector International Ltd Location: 18, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Oil & Gas Exploration Supplies & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	522	-	275235 190982
167	Contemporary Trade Directory Entries Name: The Tempertech Location: 18, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Classification: Window Frame Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	522	-	275235 190982
168	Contemporary Trade Directory Entries Name: Tyregenis Location: Unit 16, Aberafon Rd, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7DJ Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NW (E)	532	-	275257 190886
168	Contemporary Trade Directory Entries Name: R G Tooling Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	533	-	275258 190887

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	Contemporary Trade Directory Entries Name: Eurogrind Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	533	-	275258 190887
168	Contemporary Trade Directory Entries Name: T & R Phillips Haulage Location: Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	533	-	275258 190887
168	Contemporary Trade Directory Entries Name: Tech Pressings Ltd Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	533	-	275258 190887
168	Contemporary Trade Directory Entries Name: B A W Precision Engineering Location: UNIT 16, BAGLAN WAY, BAGLAN INDUSTRIAL PARK, PORT TALBOT, SA12 7BY Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	533	-	275258 190887
168	Contemporary Trade Directory Entries Name: Tyregeniics Ltd Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Tyre Disposal Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	533	-	275258 190887
169	Contemporary Trade Directory Entries Name: Envases Location: Unit 1, Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Classification: Aerosols Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	533	-	275180 191147
170	Contemporary Trade Directory Entries Name: Frenni Location: 14, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	564	-	275284 190796
170	Contemporary Trade Directory Entries Name: Excel Assemblies Ltd Location: Unit 14, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	564	-	275284 190796
170	Contemporary Trade Directory Entries Name: Frenni Transport Ltd Location: 14, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	564	-	275284 190796
171	Contemporary Trade Directory Entries Name: Jags Cleaning Services Location: 5, Poppy Close, Port Talbot, West Glamorgan, SA12 7EA Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	593	-	274166 191196
172	Contemporary Trade Directory Entries Name: Bonita Blinds Location: 61, Village Gardens, Baglan, Port Talbot, West Glamorgan, SA12 7LP Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	645	-	274523 191532

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	Contemporary Trade Directory Entries Name: Neath General Hospital Location: Baglan Way, Port Talbot, West Glamorgan, SA12 7BX Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	788	-	275402 190466
173	Contemporary Trade Directory Entries Name: Neath General Hospital Location: Baglan Way, Port Talbot, West Glamorgan, SA12 7BX Classification: Hospitals Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	788	-	275402 190466
174	Contemporary Trade Directory Entries Name: The Princess Of Wales Hospital Location: Site Office, Neath Port Talbot Hospital, Baglan Way, Aberavon, SA12 7BX Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	791	-	275294 190321
175	Contemporary Trade Directory Entries Name: P L T Printing Ltd Location: 53, Marine Drive, Port Talbot, SA12 7NW Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	836	-	273872 190634
175	Contemporary Trade Directory Entries Name: Becky'S Location: 53, Marine Drive, Port Talbot, West Glamorgan, SA12 7NW Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	836	-	273872 190634
176	Contemporary Trade Directory Entries Name: Baglan Building Plastics Location: Seaway Parade, Port Talbot, West Glamorgan, SA12 7BL Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	883	-	274086 191551
177	Contemporary Trade Directory Entries Name: Extraclean Location: 12, Sarnfan Baglan Road, Baglan, PORT TALBOT, West Glamorgan, SA12 8AG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	963	-	275467 191483
178	Contemporary Trade Directory Entries Name: Braithwaite Engineers Ltd Location: Unit 1a, Seaway Parade Industrial Estate, Baglan, Port Talbot, West Glamorgan, SA12 7BR Classification: Industrial Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	976	-	274274 191791
178	Contemporary Trade Directory Entries Name: Unifloc Process Engineers Location: Unit 1 Rutherglen Centre, Seaway Parade Industrial Estate, Baglan, Port Talbot, West Glamorgan, SA12 7BR Classification: Industrial Engineers Status: Active Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	976	-	274278 191793
178	Contemporary Trade Directory Entries Name: Folland Joinery Location: Unit 1, Seaway Drive, Seaway Parade Industrial Estate, Port Talbot, West Glamorgan, SA12 7BR Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	976	-	274274 191791
178	Contemporary Trade Directory Entries Name: Abertaw Bro Morgannwg University Local Health Board Location: Unit 1, Seaway Drive, Seaway Parade Industrial Estate, Port Talbot, West Glamorgan, SA12 7BR Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	976	-	274274 191791

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	Contemporary Trade Directory Entries Name: Murco Service Station Location: Princes Margaret Way, Port Talbot, SA12 7PE Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	998	-	274242 189961
179	Contemporary Trade Directory Entries Name: Texaco Location: Princess Margaret Way, Port Talbot, West Glamorgan, SA12 7PE Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	1000	-	274245 189958
180	Fuel Station Entries Name: Morrisons Baglan Location: Christchurch Road, Baglan Moor, Port Talbot, Neath Port Talbot, SA12 7BZ Brand: Morrisons Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A13NW (N)	203	-	274646 191106
181	Fuel Station Entries Name: Mfg Port Talbot Location: Princess Margaret Way, Aberavon, Port Talbot, Neath Port Talbot, SA12 7PE Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	999	-	274243 189960
182	Points of Interest - Commercial Services Name: Car Wash Location: Christchurch Road, Baglan Moor, Port Talbot, West Glamorgan, SA12 7BZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NW (N)	203	7	274646 191106
182	Points of Interest - Commercial Services Name: Morrisons Car Wash Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7DA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NW (N)	204	7	274647 191108
182	Points of Interest - Commercial Services Name: Morrisons Baglan Location: Christchurch Road, Baglan Moor, Port Talbot, SA12 7BZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NW (N)	228	7	274657 191134
183	Points of Interest - Commercial Services Name: Just Deliveries Location: 21 Windsor Village, Port Talbot, SA12 7EU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (N)	502	7	274536 191386
184	Points of Interest - Commercial Services Name: S W Freight Logistic Ltd Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	532	7	275067 191286
185	Points of Interest - Commercial Services Name: Tyregenis Ltd Location: Unit 16, Aberafon Rd, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7DJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14NW (E)	532	7	275257 190886
185	Points of Interest - Commercial Services Name: T & R Phillips Haulage Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (E)	533	7	275258 190887

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
185	Points of Interest - Commercial Services Name: Tyregenics Location: Unit 16, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14NW (E)	533	7	275258 190888
186	Points of Interest - Commercial Services Name: Frenni Transport Ltd Location: 14 Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	564	7	275284 190795
186	Points of Interest - Commercial Services Name: Frenni Location: 14 Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	564	7	275284 190795
187	Points of Interest - Commercial Services Name: Seabourne Transport Ltd Location: 63 Sandown Road, Port Talbot, SA12 6PT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	954	7	274948 189927
188	Points of Interest - Commercial Services Name: Mfg Port Talbot Location: Princess Margaret Way, Aberavon, Port Talbot, SA12 7PE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SE (SW)	999	7	274243 189960
188	Points of Interest - Commercial Services Name: Car Wash Location: Princess Margaret Way, Aberavon, Port Talbot, West Glamorgan, SA12 7PE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SE (SW)	999	7	274243 189960
189	Points of Interest - Education and Health Name: Neath Port Talbot Hospital Location: Baglan Way, Port Talbot, SA12 7BX Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A14SE (SE)	759	7	275411 190544
189	Points of Interest - Education and Health Name: Groeswen Hospital Location: Margam Road, Port Talbot, SA4 2LH Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NE (SE)	773	7	275395 190484
189	Points of Interest - Education and Health Name: Neath Port Talbot Hospital Location: Baglan Way, Port Talbot, SA12 7BX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NE (SE)	788	7	275402 190466
189	Points of Interest - Education and Health Name: Neath Port Talbot Hospital Location: Baglan Way, Port Talbot, SA12 7BX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NE (SE)	788	7	275402 190466
189	Points of Interest - Education and Health Name: Neath Port Talbot Hospital Location: Baglan Way, Port Talbot, SA12 7BX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NE (SE)	788	7	275402 190466
189	Points of Interest - Education and Health Name: Neath Port Talbot Hospital Location: Baglan Way, Port Talbot, SA12 7BX Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A9NE (SE)	788	7	275402 190466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	Points of Interest - Education and Health Name: Neath Port Talbot Hospital Location: Baglan Way, Port Talbot, SA12 7BX Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A9NE (SE)	788	7	275402 190466
189	Points of Interest - Education and Health Name: Neath Port Talbot Hospital Location: Baglan Way, Port Talbot, SA12 7BX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NE (SE)	788	7	275402 190466
190	Points of Interest - Manufacturing and Production Name: Tank Location: SA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	88	7	274588 190916
191	Points of Interest - Manufacturing and Production Name: Factory Location: SA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A13SE (S)	128	7	274743 190727
191	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	131	7	274736 190722
192	Points of Interest - Manufacturing and Production Name: Industrial Park Location: SA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	429	7	275138 190754
193	Points of Interest - Manufacturing and Production Name: Tank Location: SA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	500	7	274983 191316
194	Points of Interest - Manufacturing and Production Name: Baglan Industrial Park Location: SA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	503	7	275167 191111
194	Points of Interest - Manufacturing and Production Name: Tank Location: SA12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	521	7	275144 191180
195	Points of Interest - Manufacturing and Production Name: Biz Net Location: 95 Brooklyn Gardens, Port Talbot, SA12 7PD Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A18NW (N)	827	7	274411 191687
196	Points of Interest - Public Infrastructure Name: Bus Depot Location: SA12 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	108	7	274564 190902
196	Points of Interest - Public Infrastructure Name: Bus Depot Location: SA12 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	108	7	274564 190903

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7DA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (N)	202	7	274647 191106
197	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (N)	203	7	274646 191106
197	Points of Interest - Public Infrastructure Name: Morrisons Baglan Location: Christchurch Road, Baglan Moor, Port Talbot, SA12 7BZ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (N)	203	7	274646 191106
197	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7DA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (N)	204	7	274647 191108
198	Points of Interest - Public Infrastructure Name: Sandfields Police Station Location: Dew Road, Sandfields, Port Talbot, SA12 7HE Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	400	7	274420 190562
198	Points of Interest - Public Infrastructure Name: Sandfields Police Station Location: Dew Road, Port Talbot, West Glamorgan, SA12 7HE Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	400	7	274421 190561
199	Points of Interest - Public Infrastructure Name: Tyregenics Location: Unit 16, Aberafon Rd, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7DJ Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A14NW (E)	532	7	275257 190886
199	Points of Interest - Public Infrastructure Name: Tyregenics Location: Unit 16, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A14NW (E)	533	7	275258 190888
200	Points of Interest - Public Infrastructure Name: Port Talbot Murco Service Station Location: Princes Margaret Way, Port Talbot, SA12 7PE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SE (SW)	995	7	274242 189965
200	Points of Interest - Public Infrastructure Name: Port Talbot Murco Service Station Location: Princess Margaret Way, Aberavon, Port Talbot, West Glamorgan, SA12 7PE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SE (SW)	999	7	274243 189960
201	Points of Interest - Recreational and Environmental Name: Play Area Location: SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	354	7	274578 191244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	Points of Interest - Recreational and Environmental Name: Playground Location: Seaward Avenue (Rhodfa Tuar Mor), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SW (S)	907	7	274387 189997
202	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	914	7	274382 189991
203	Points of Interest - Recreational and Environmental Name: Playground Location: Sandown Road (Heol Sandown), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SE (S)	929	7	274978 189962
203	Points of Interest - Recreational and Environmental Name: Playground Location: Sandown Road (Heol Sandown), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SE (S)	930	7	274978 189960
203	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	936	7	275011 189965
204	Points of Interest - Recreational and Environmental Name: Play Area Location: SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	939	7	274783 191844
205	Points of Interest - Recreational and Environmental Name: Playground Location: Rowan Tree Avenue (Rhodfa Coed Cerdinen), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19NW (NE)	949	7	275210 191704

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Natural Resources Wales Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department	June 2020 October 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 July 2021	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	January 2021 July 2021	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2015	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	June 2021	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually Annually
Substantiated Pollution Incident Register Environment Agency Wales - South West Area Natural Resources Wales	January 2021 July 2021	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	July 2021 July 2021	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	July 2021 October 2017	Quarterly Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	July 2017	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water Suitability Natural Resources Wales	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	July 2021 July 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South West Area	April 2021 July 2021	Quarterly Quarterly
Local Authority Landfill Coverage City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - South West Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable
Planning Hazardous Substance Consents City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	December 2015	Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

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

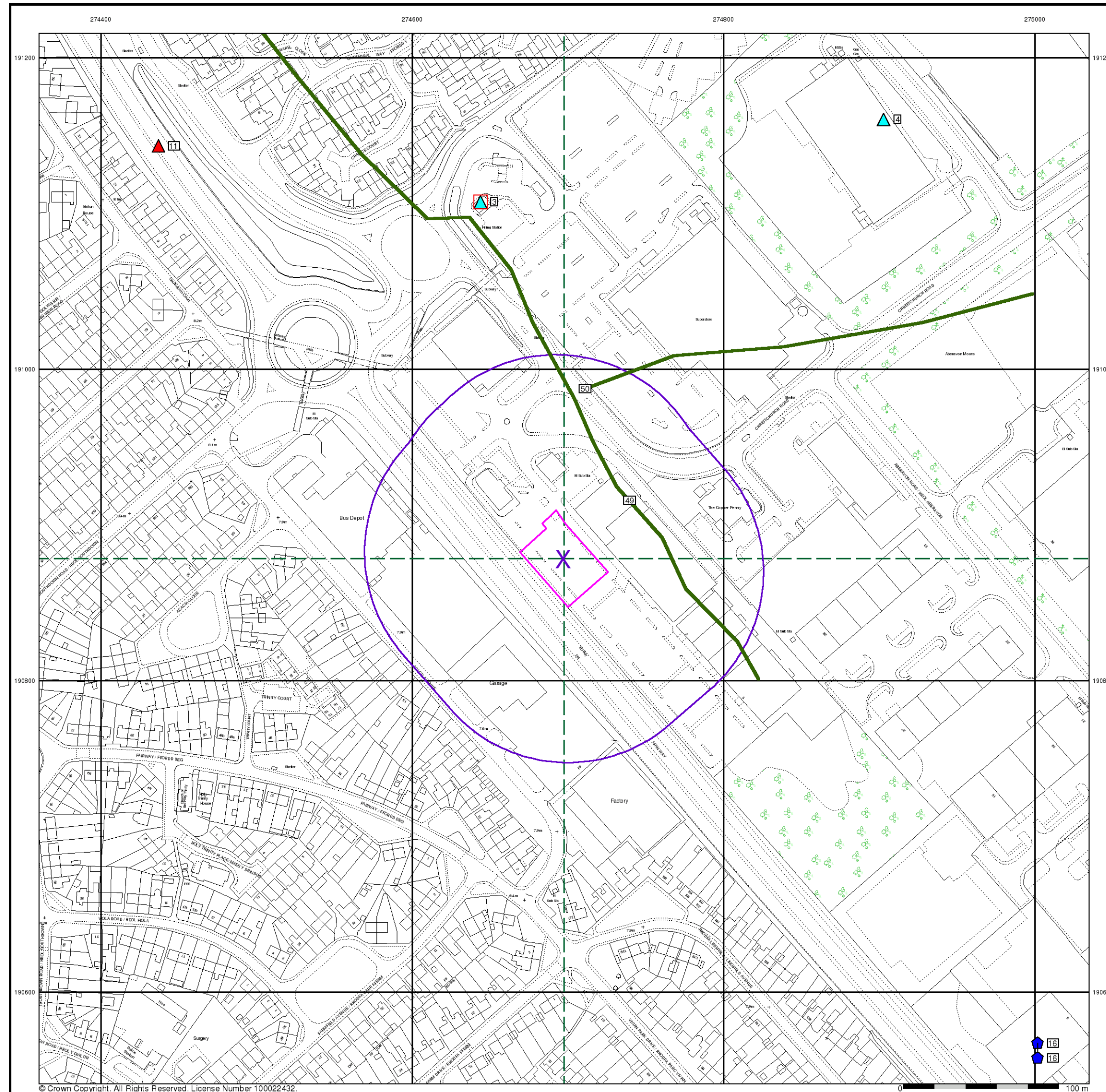
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	September 2018	Bi-Annually
Areas of Adopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves City and County of Swansea Neath Port Talbot County Borough Council	August 2018 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	July 2019	Bi-Annually
National Parks Natural Resources Wales	February 2018	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 July 2019	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2020	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	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	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service 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	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited 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.



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
 -  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

Hazardous Substances

 -  COMAH Site
 -  Explosive Site
 -  NIHHS Site
 -  Planning Hazardous Substance Consent
 -  Planning Hazardous Substance Enforcement

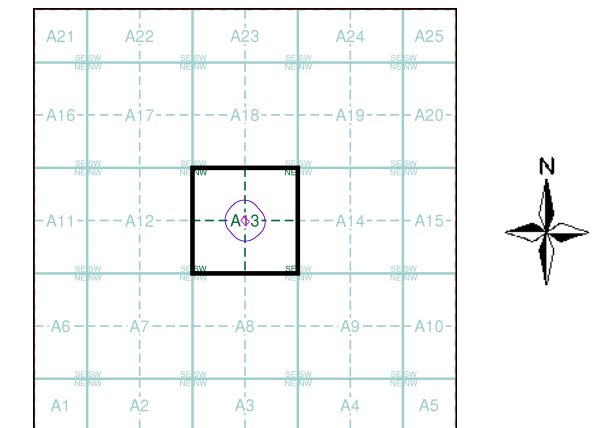
Geological

 -  BGS Recorded Mineral Site

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 (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

Site Sensitivity Map - Segment A13



Order Details

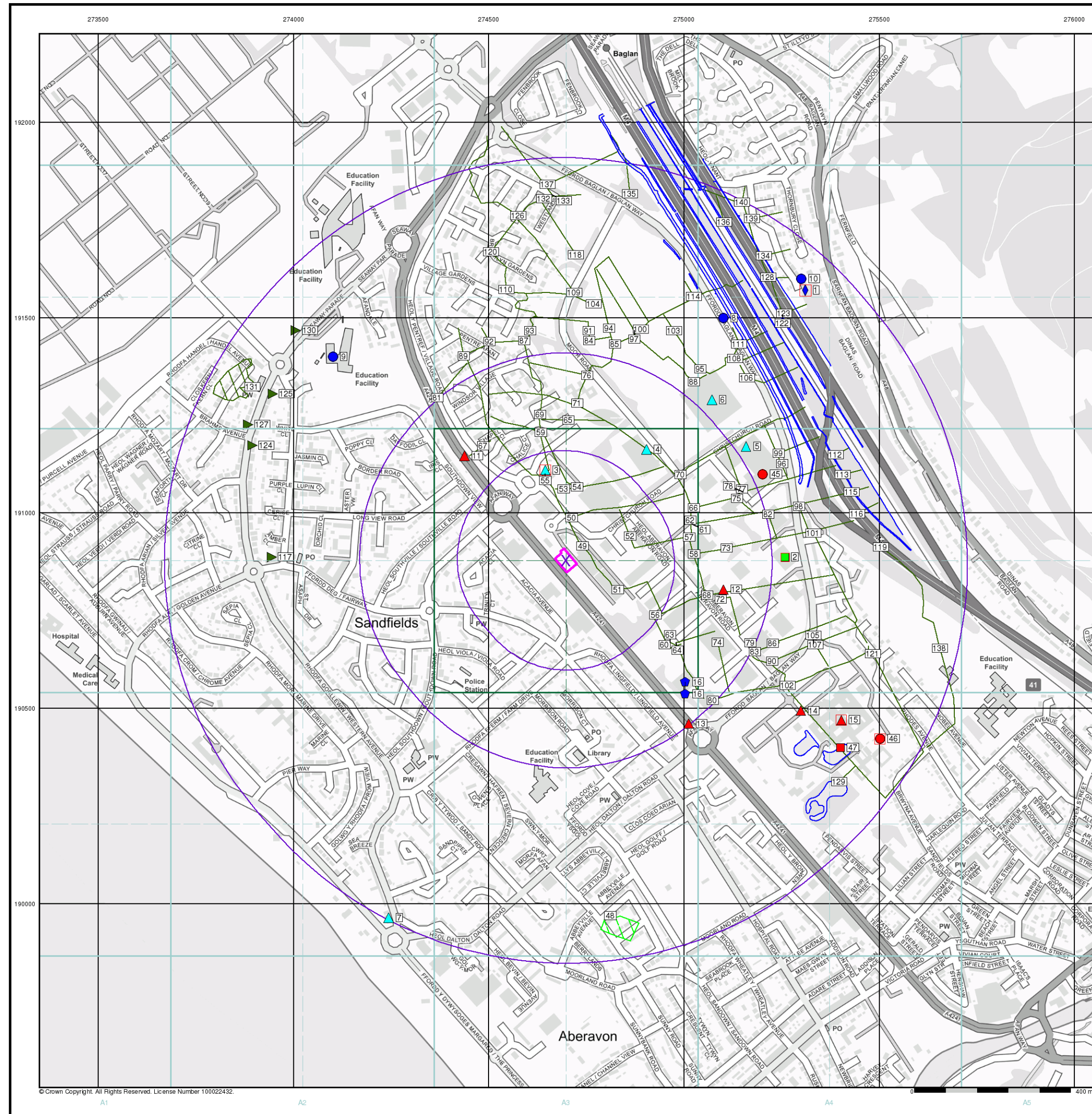
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Plot Buffer (m): 100

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT,
SA12 7BZ

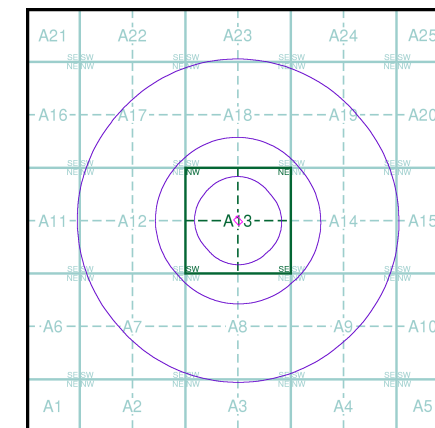
Landmark®
INFORMATION GROUP

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



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- 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
 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- 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 (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

Site Sensitivity Map - Slice A

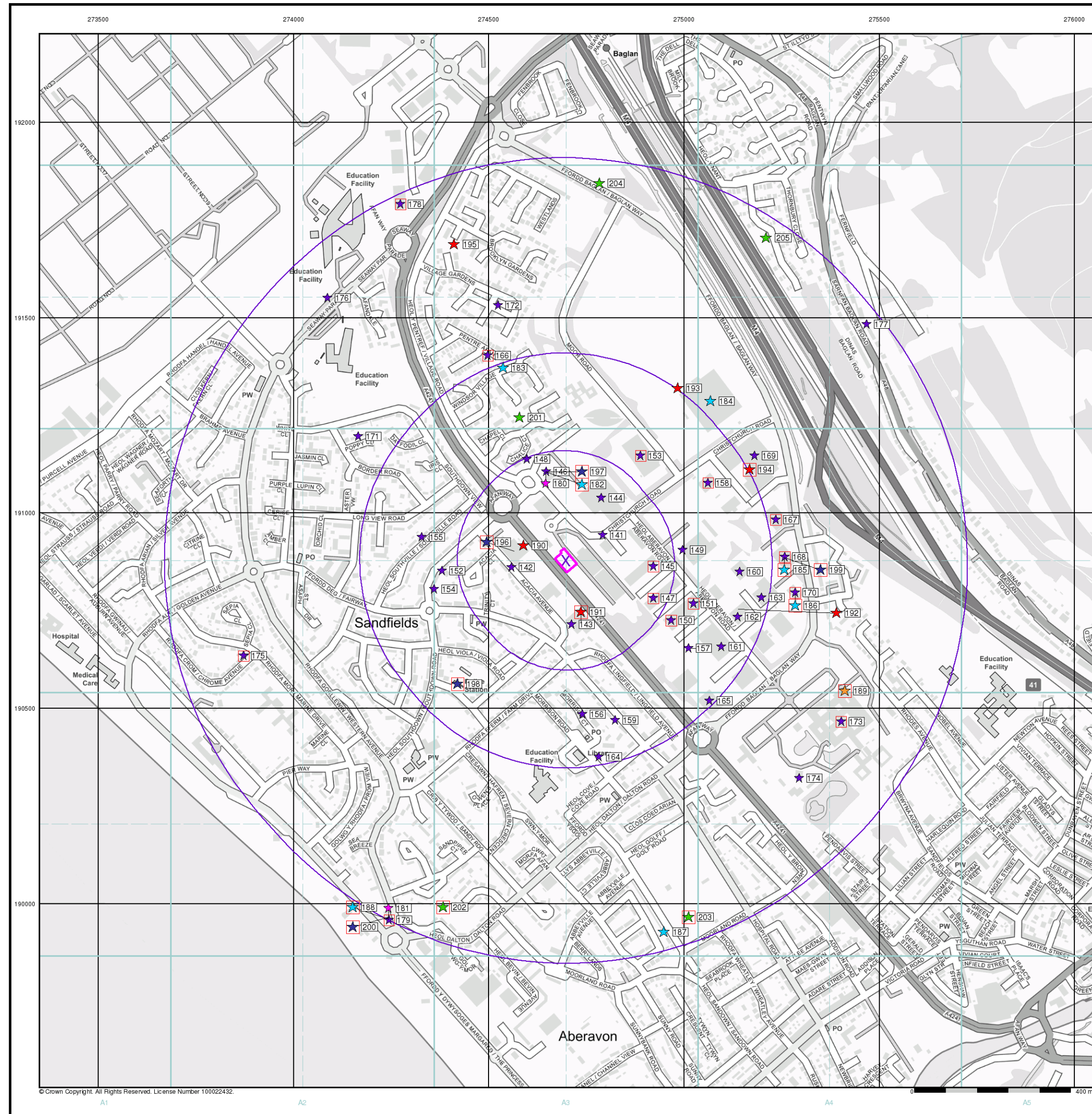


Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT, SA12 7BZ



Geotechnical & Geoenvironmental Specialists
Industrial Land Use Map

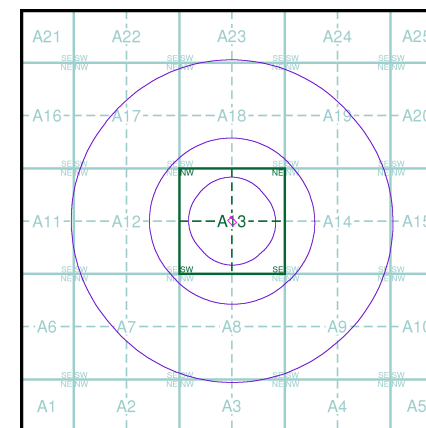
General

- 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

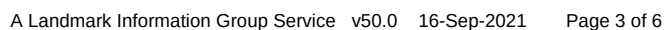
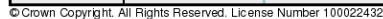
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Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

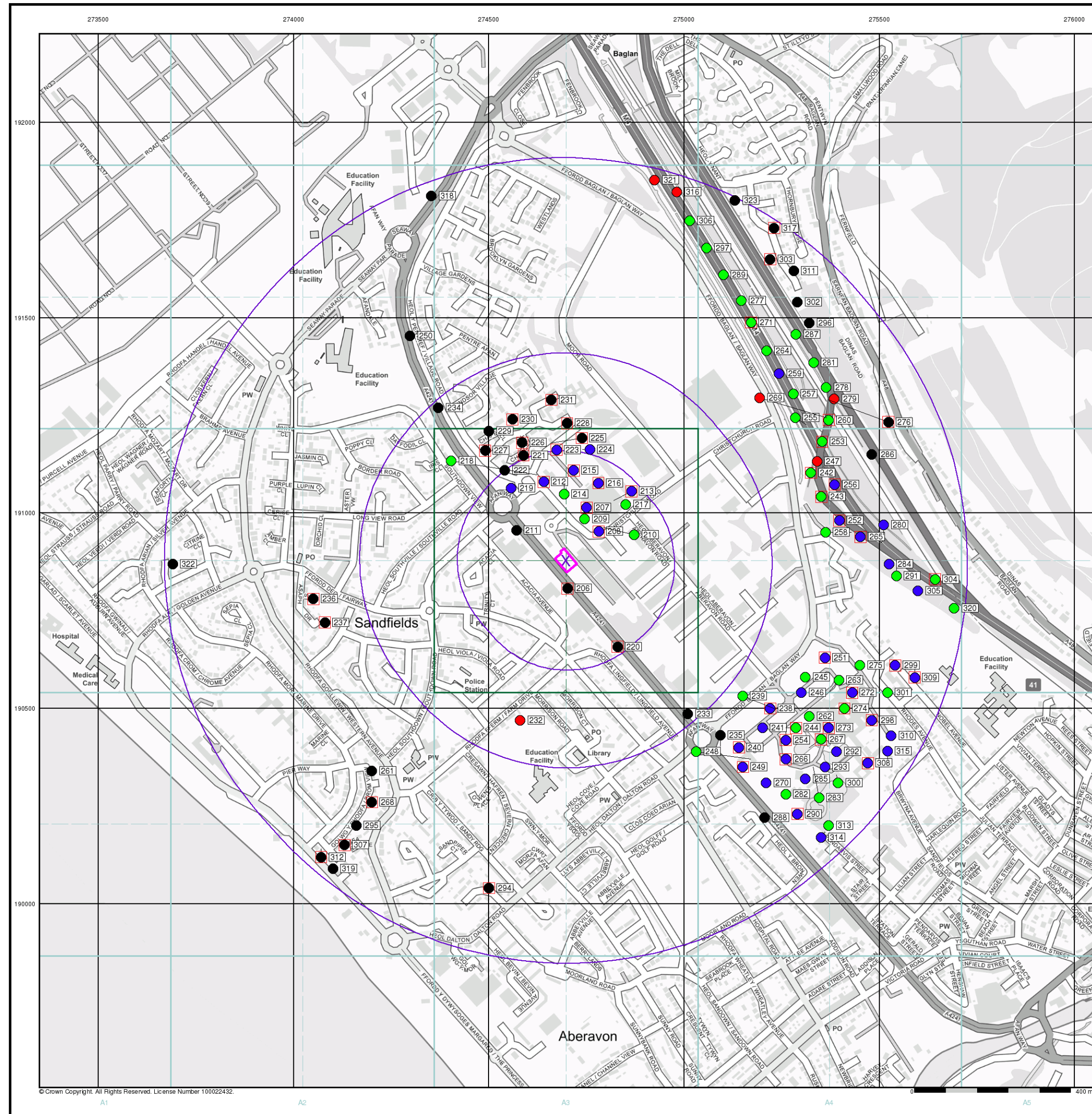
Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT,
SA12 7BZ



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





General

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

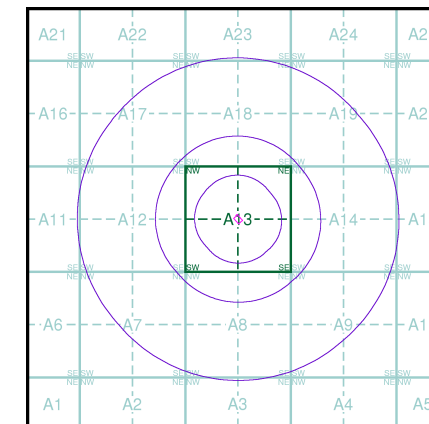
Agency and Hydrological (Boreholes)

- 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.

Borehole Map - Slice A

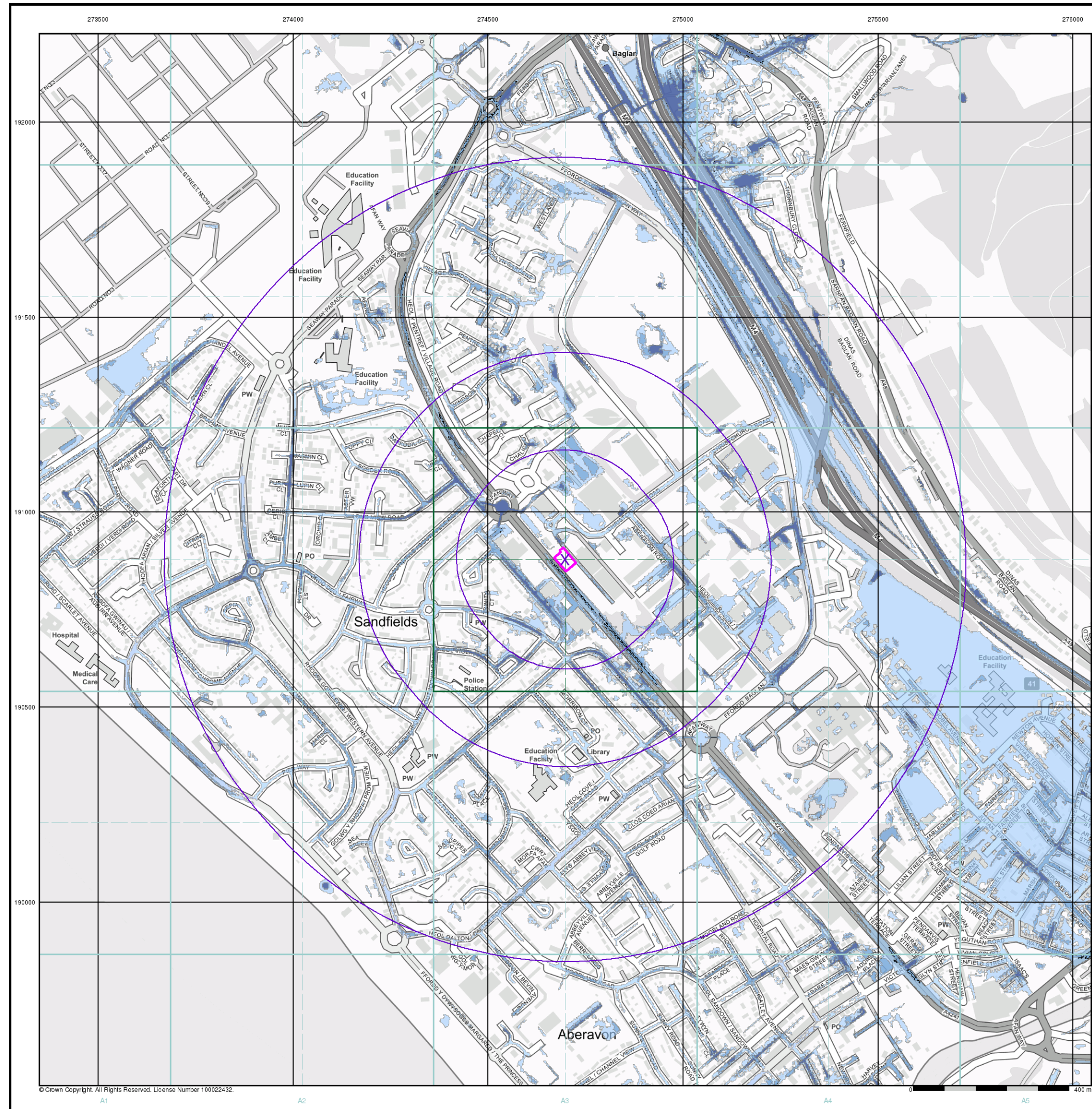


Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

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General

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

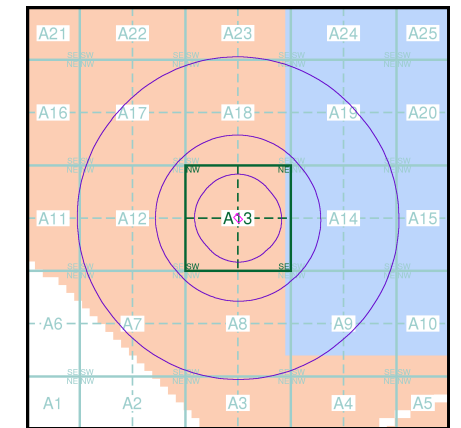
Risk of Flooding from Surface Water

- 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

E/NRW Suitability Map - Slice A



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT, SA12 7BZ

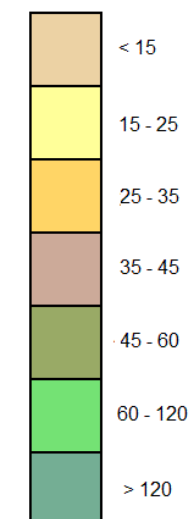
General

Specified Site Specified Buffer(s) Bearing Reference Point

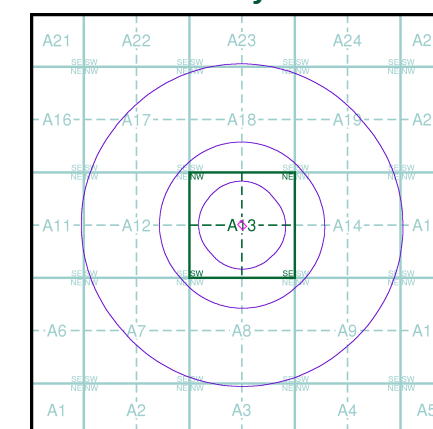
Urban Soil Chemistry Arsenic

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Arsenic Concentrations mg/kg



Urban Soil Chemistry Arsenic - Slice A

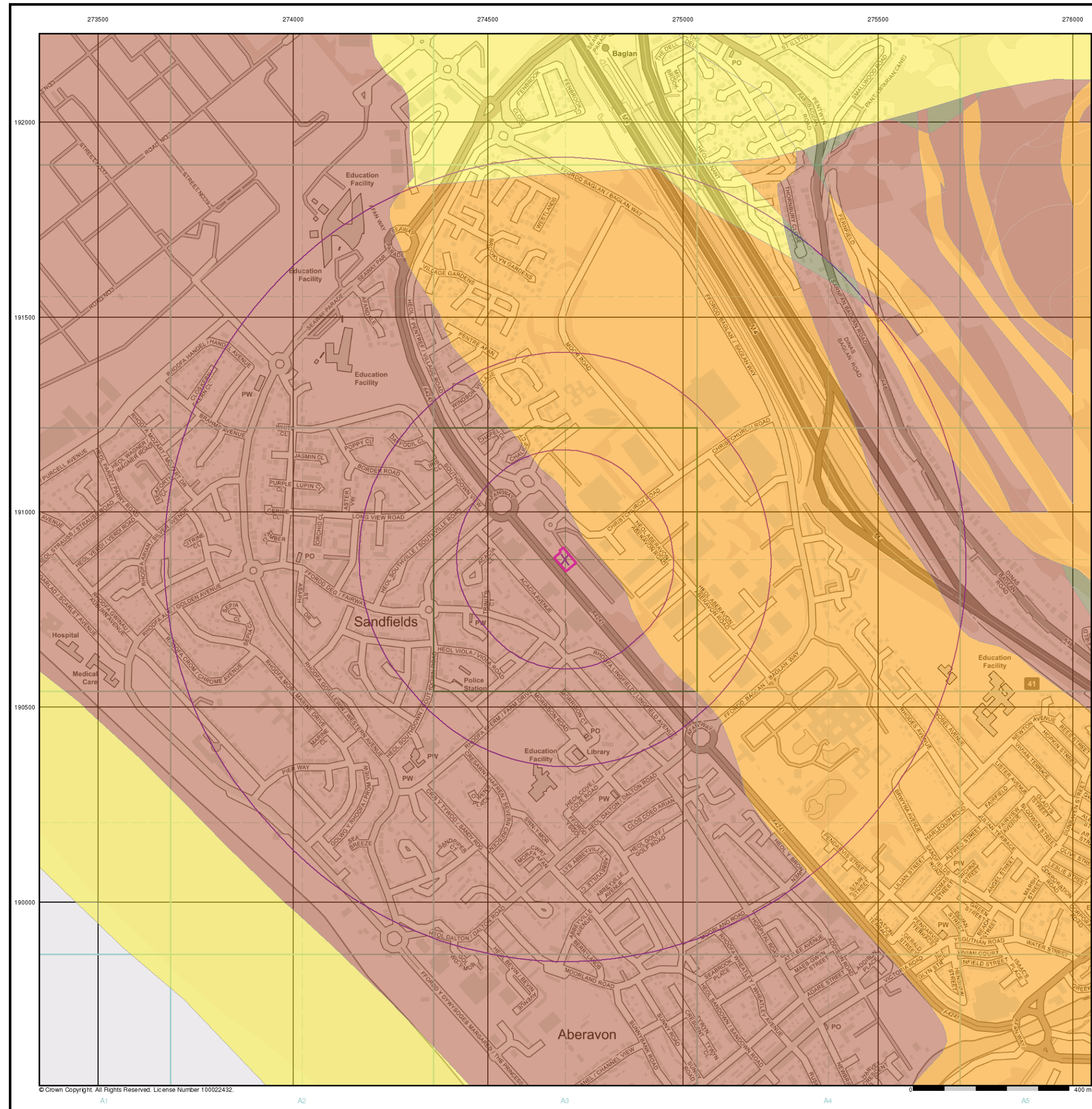


Order Details

Order Details: 285022966_1_1
 Customer Ref: 16843
 National Grid Reference: 274700, 190880
 Slice: A
 Site Area (Ha): 0.17
 Search buffer (m): 1000

Site Details

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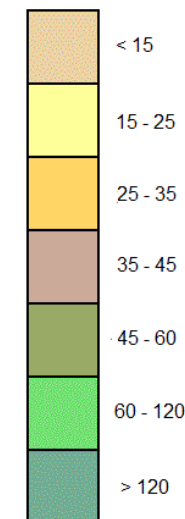


General

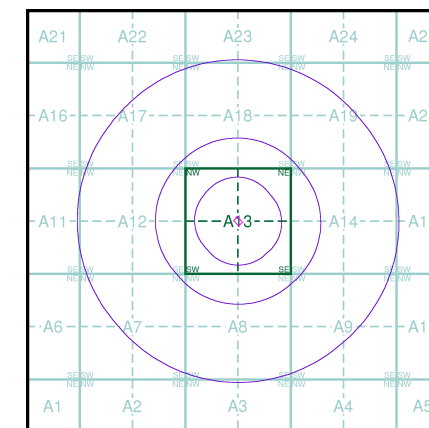
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

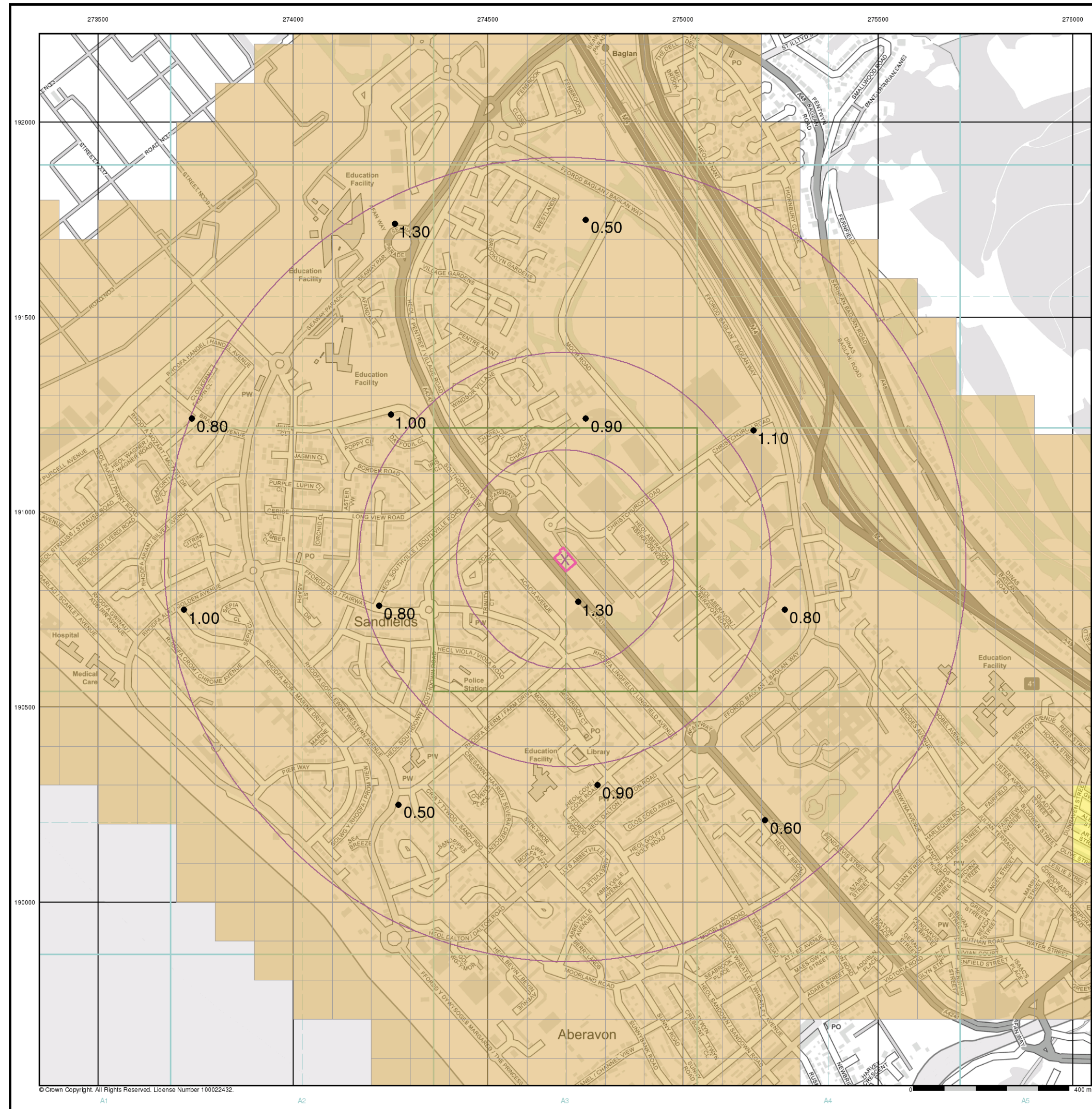


Order Details

Order Details: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search buffer (m): 1000

Site Details

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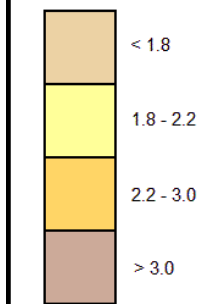
General

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

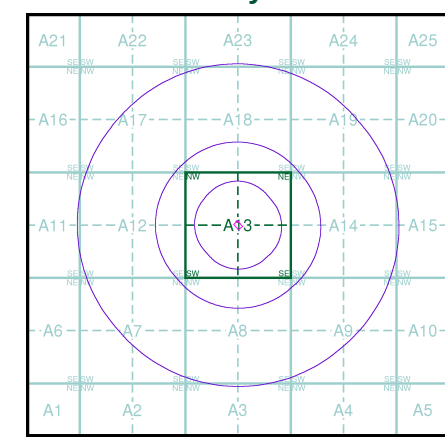
Urban Soil Chemistry Cadmium

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Cadmium Concentrations mg/kg



Urban Soil Chemistry Cadmium - Slice A



Order Details

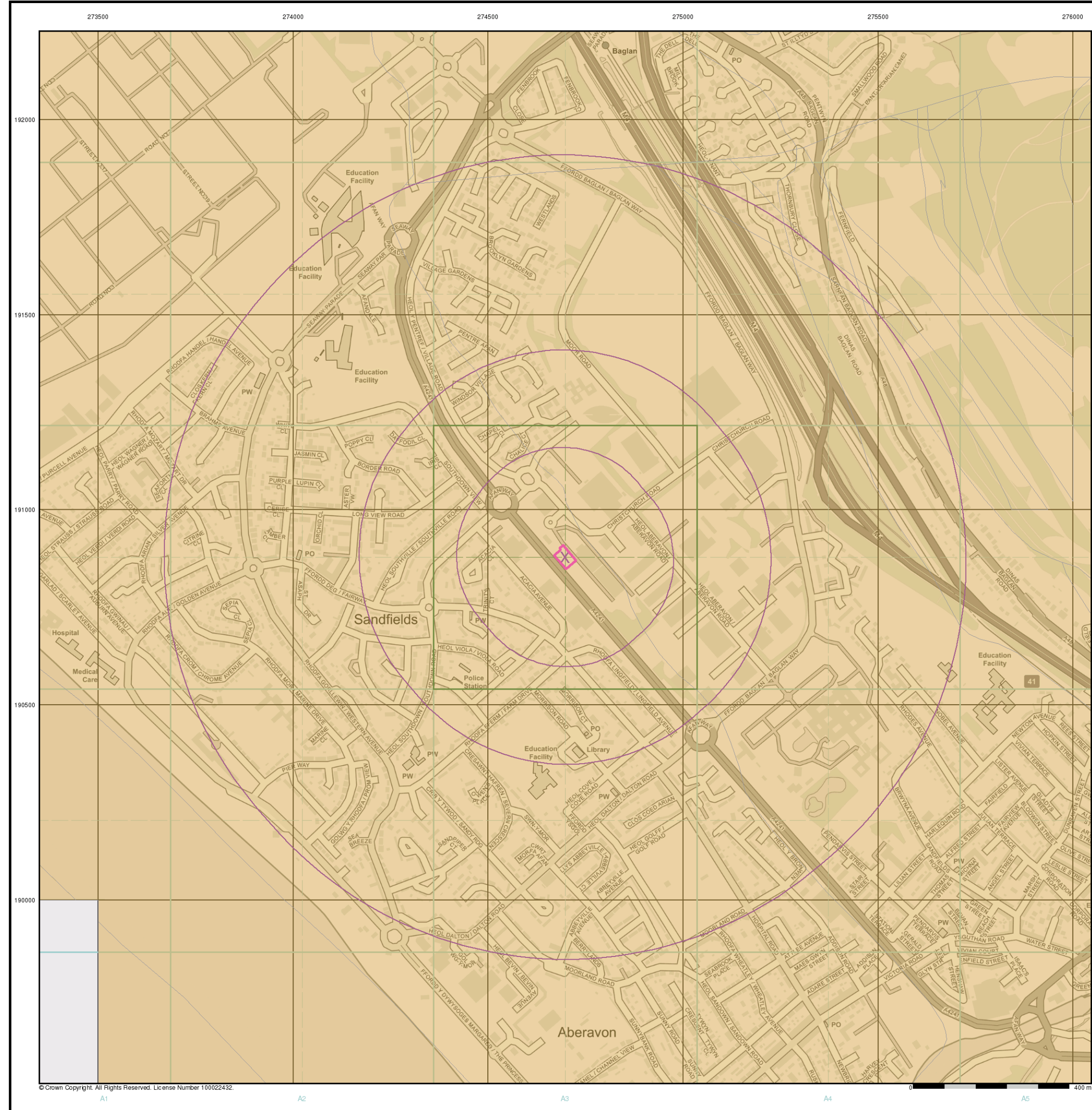
Order Details: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search buffer (m): 1000

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT, SA12 7BZ



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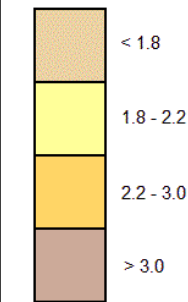
Geotechnical & Geoenvironmental Specialists

General

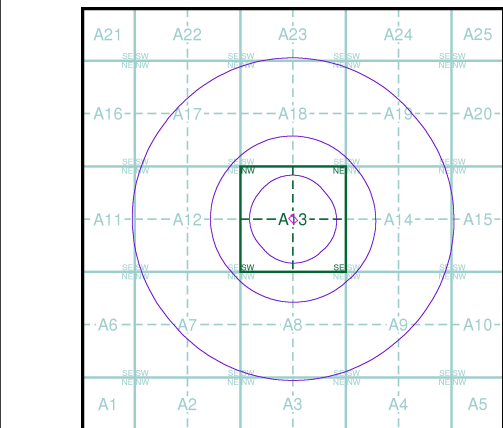
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

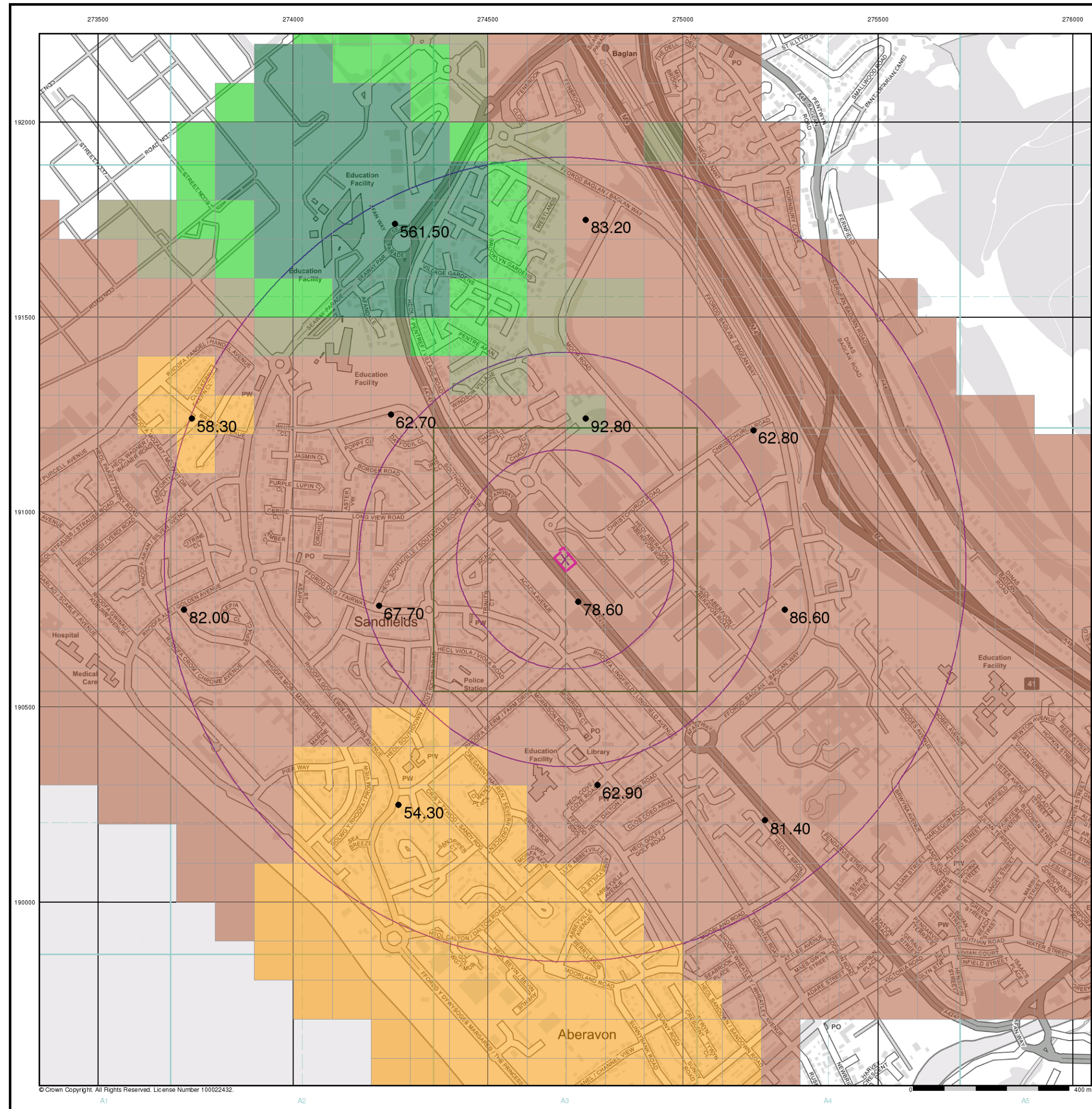
Order Details: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
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SA12 7BZ



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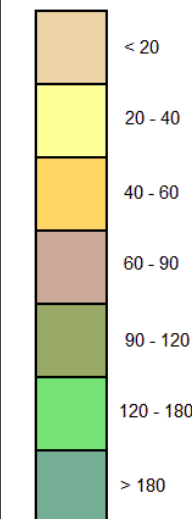
General

Specified Site Specified Buffer(s) Bearing Reference Point

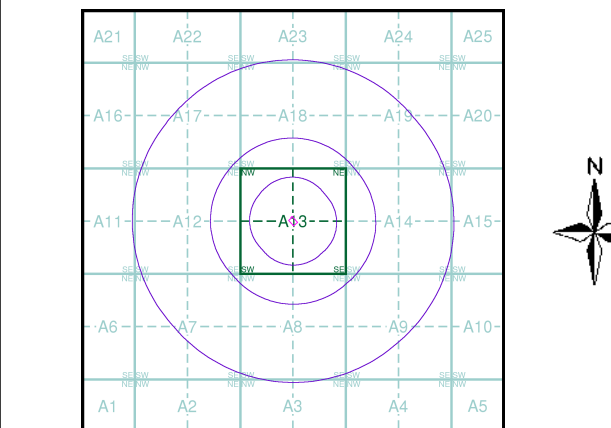
Urban Soil Chemistry Chromium

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Chromium Concentrations mg/kg



Urban Soil Chemistry Chromium - Slice A

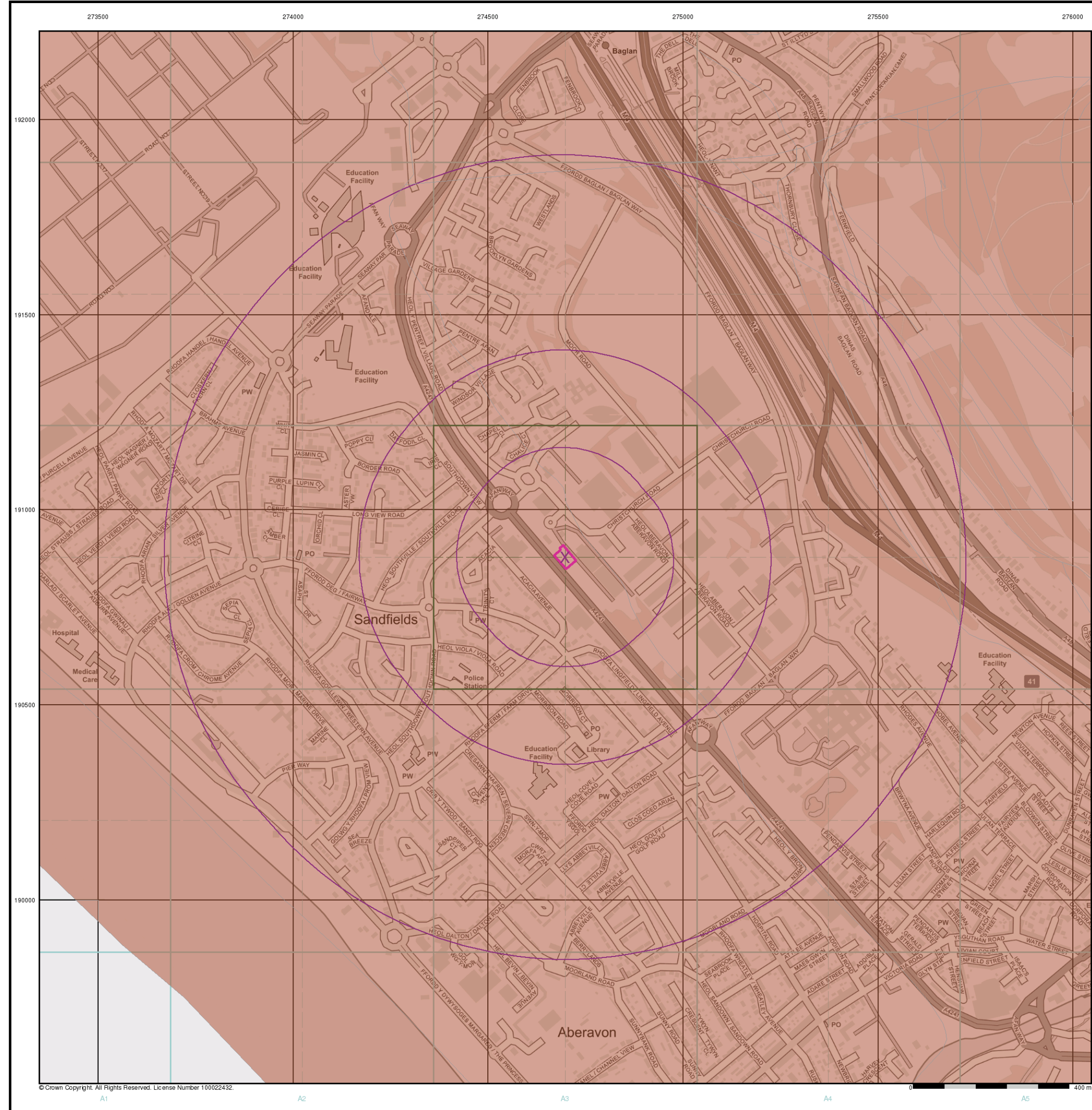


Order Details

Order Details: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search buffer (m): 1000

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT,
SA12 7BZ



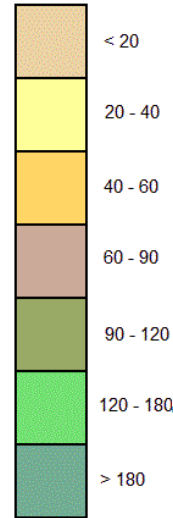
Geotechnical & Geoenvironmental Specialists

General

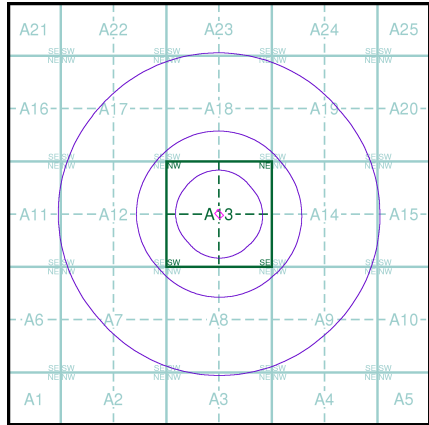
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

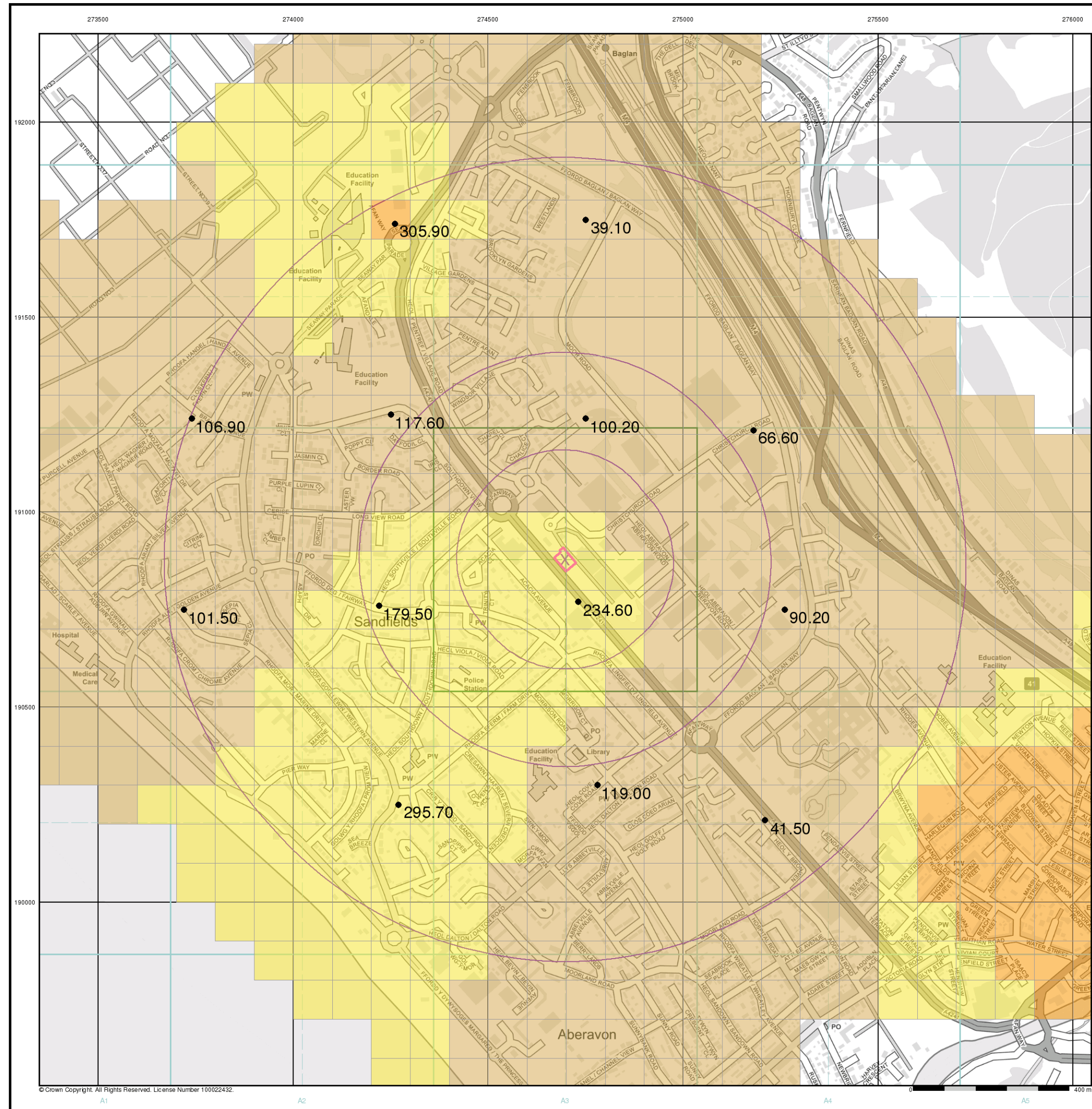
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Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
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Site Details

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SA12 7BZ



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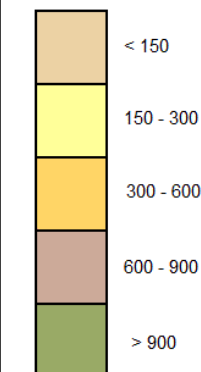
General

Specified Site Specified Buffer(s) Bearing Reference Point

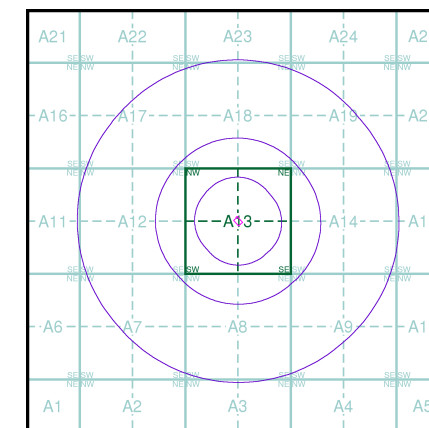
Urban Soil Chemistry Lead

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Lead Concentrations mg/kg



Urban Soil Chemistry Lead - Slice A

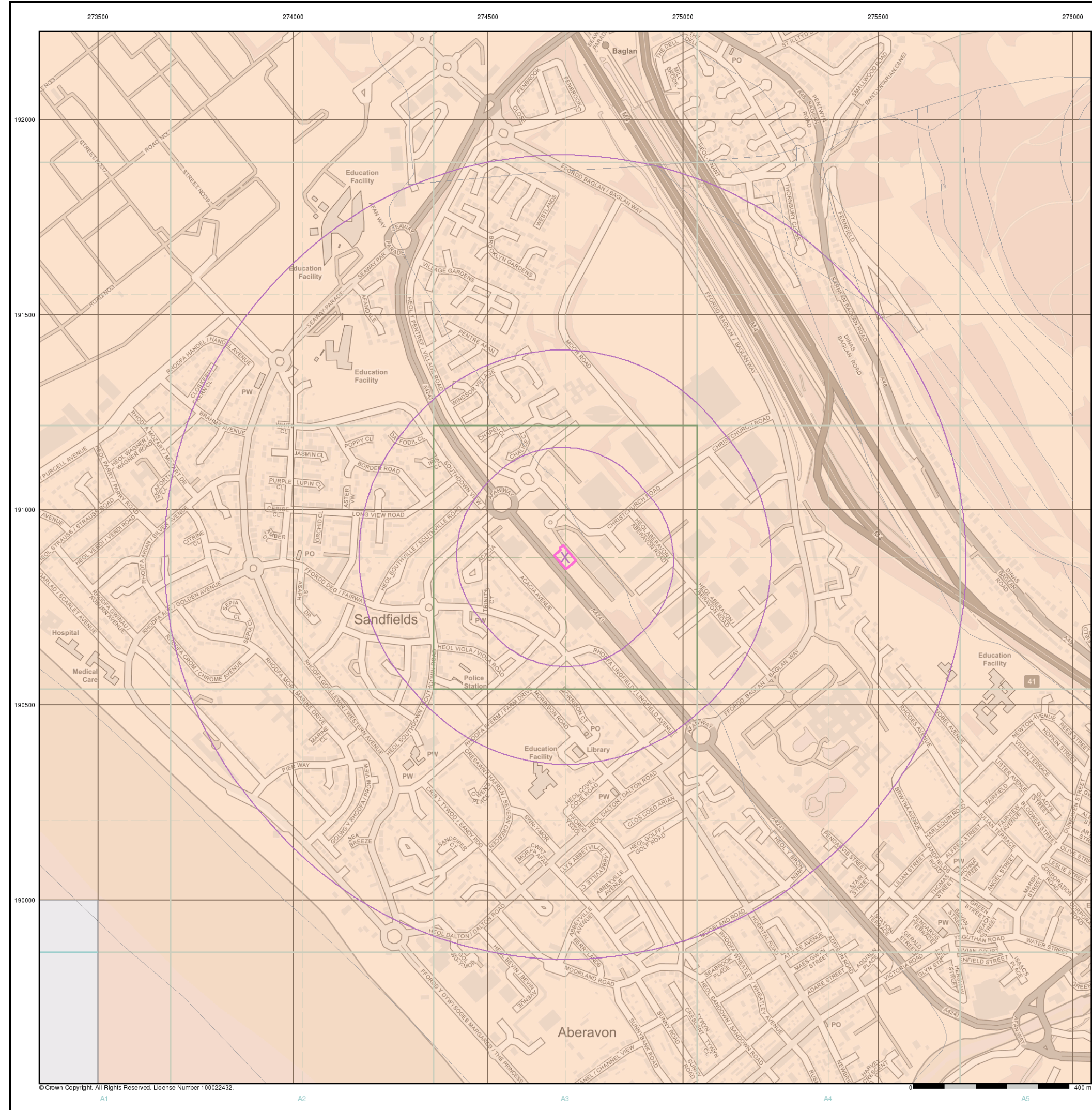


Order Details

Order Details: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search buffer (m): 1000

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT,
SA12 7BZ

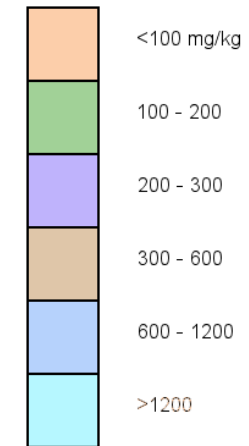


General

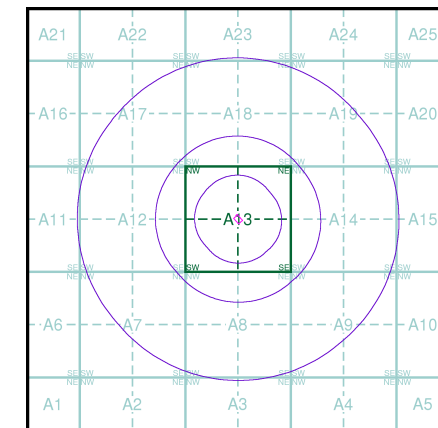
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

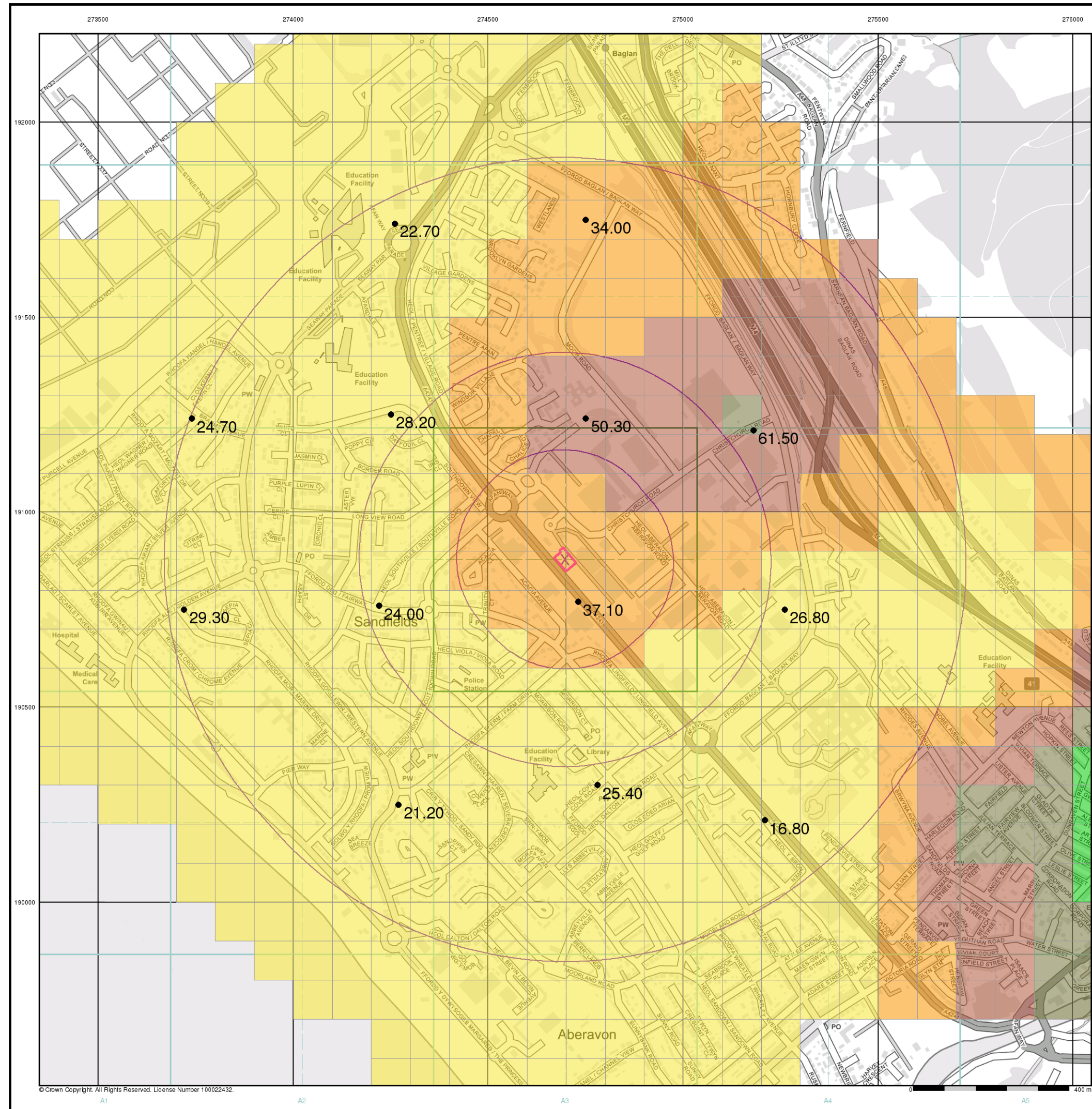


Order Details

Order Details: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search buffer (m): 1000

Site Details

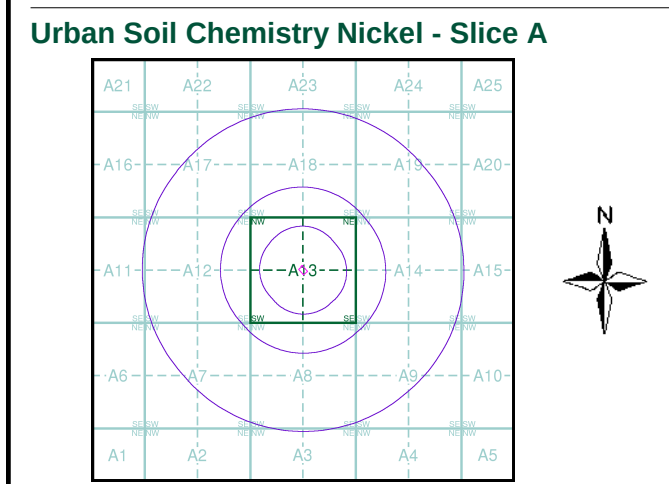
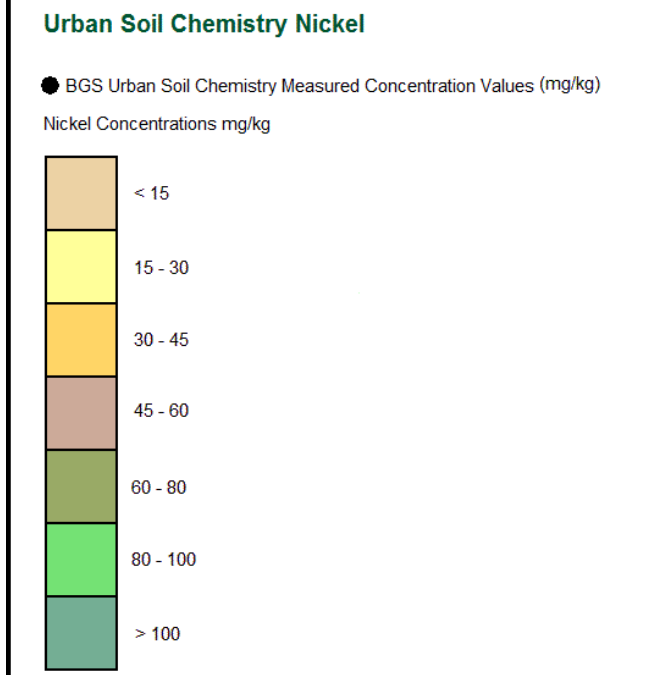
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SA12 7BZ



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



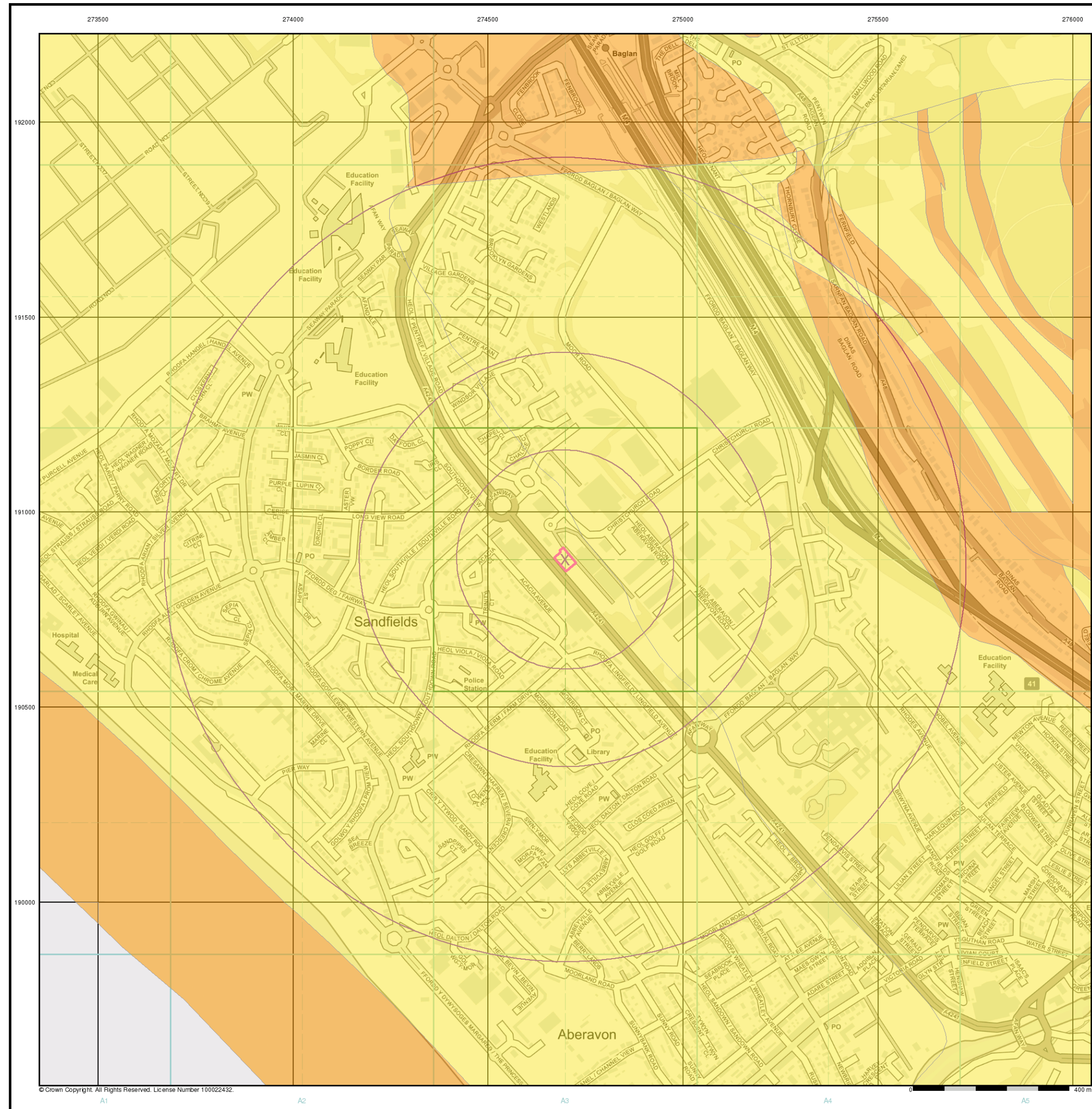
Order Details

Order Details: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search buffer (m): 1000

Site Details

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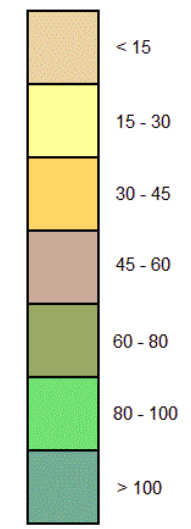


General

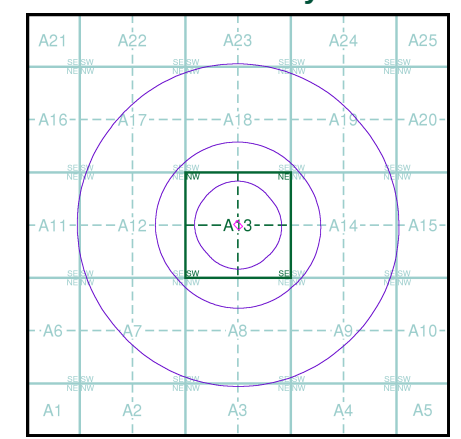
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

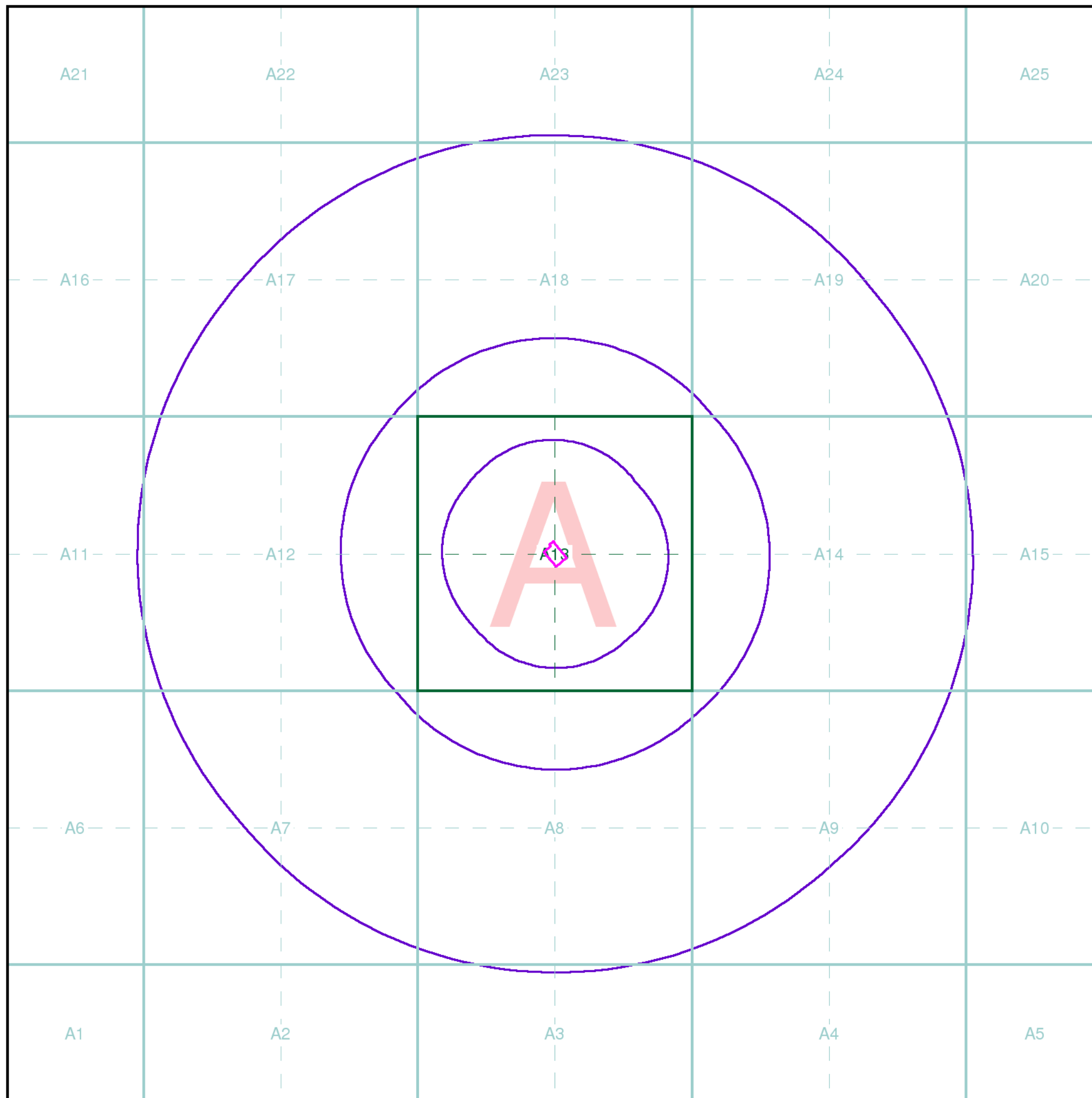
Order Details: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search buffer (m): 1000

Site Details

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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

Ms R Liley, Terra Firma (Wales) Ltd, 5 Deryn Court, Wharfdale Road, Pentwyn, Cardiff, CF23 7HB

Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT, SA12 7BZ

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<http://www.landmarkinfo.co.uk/Terms/Show/515>



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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
	LSGR	Landsaped Ground (Undivided)	Artificially Modified Ground	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
	SUPNM	Superficial Theme Not Mapped [For Digital Map Use Only]	Unknown/Unclassified Entry	Not Supplied - Not Supplied
	TFD	Tidal Flat Deposits	Clay, Silt and Sand	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	BSA	Blown Sand	Sand	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	MBD	Marine Beach Deposits	Sand	Not Supplied - Quaternary
	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
	BD	Brithdir Member	Sandstone	Not Supplied - Westphalian
	BD	Brithdir Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWUCM	South Wales Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	LLFB	Llynfi Member	Sandstone	Not Supplied - Westphalian
	LLFB	Llynfi Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	RA	Rhondda Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	RA	Rhondda Member	Sandstone	Not Supplied - Westphalian
	SWMCM	South Wales Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWMCM	South Wales Middle Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	SWLCM	South Wales Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
		Faults		
		Rock Segments		



Geology 1:50,000 Maps

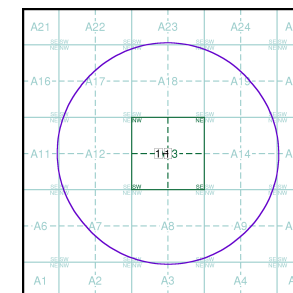
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	247
Map Name:	Swansea
Map Date:	2011
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



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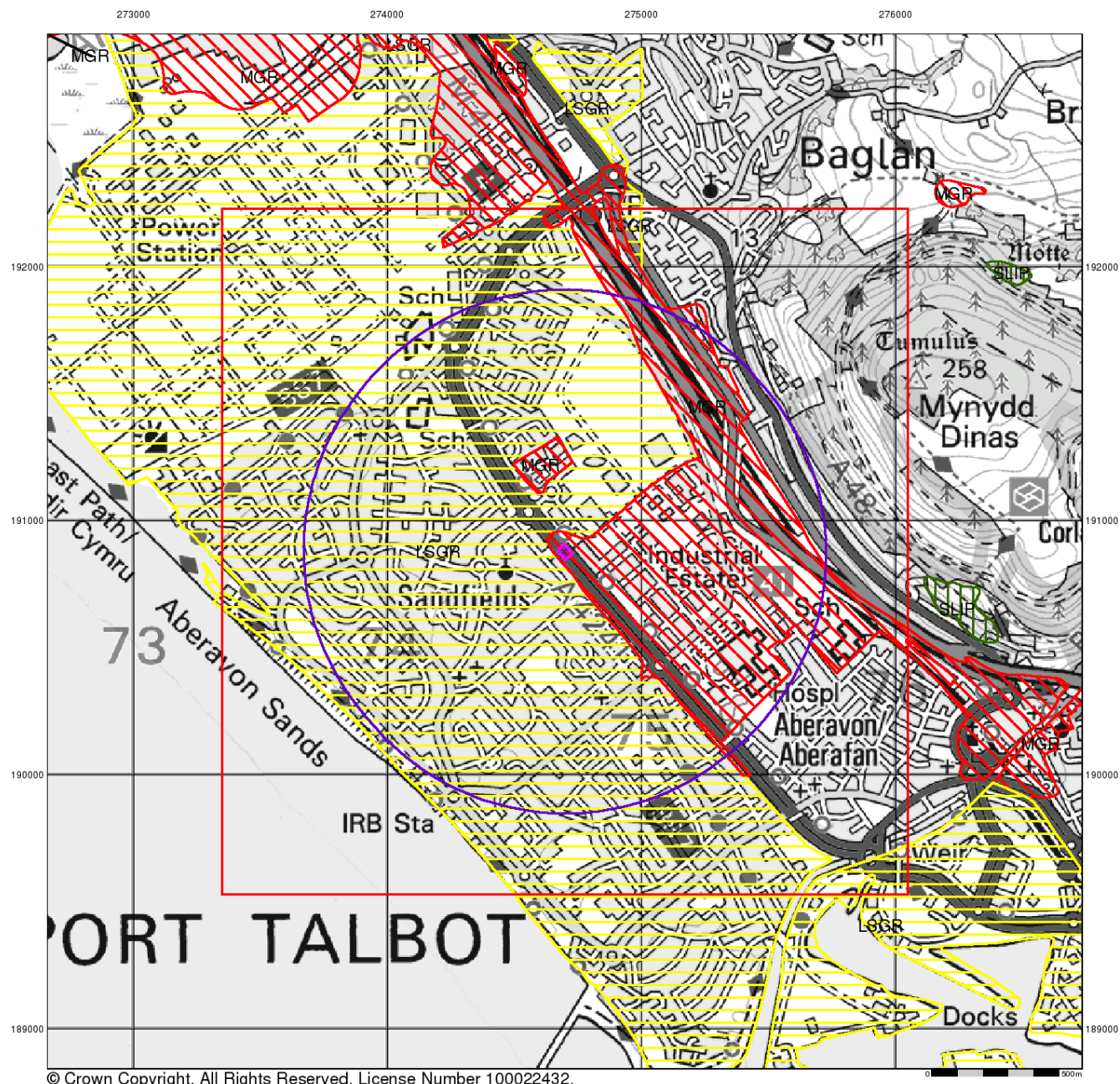
Order Number:	285022966_1_1
Customer Reference:	16843
National Grid Reference:	274700, 190880
Slice:	A
Site Area (Ha):	0.17
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

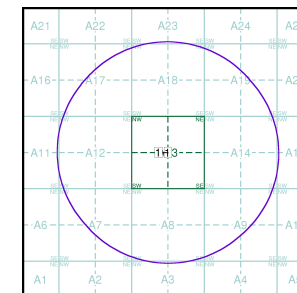
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as 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: 285022966_1_1
 Customer Reference: 16843
 National Grid Reference: 274700, 190880
 Slice: A
 Site Area (Ha): 0.17
 Search Buffer (m): 1000

Site Details:

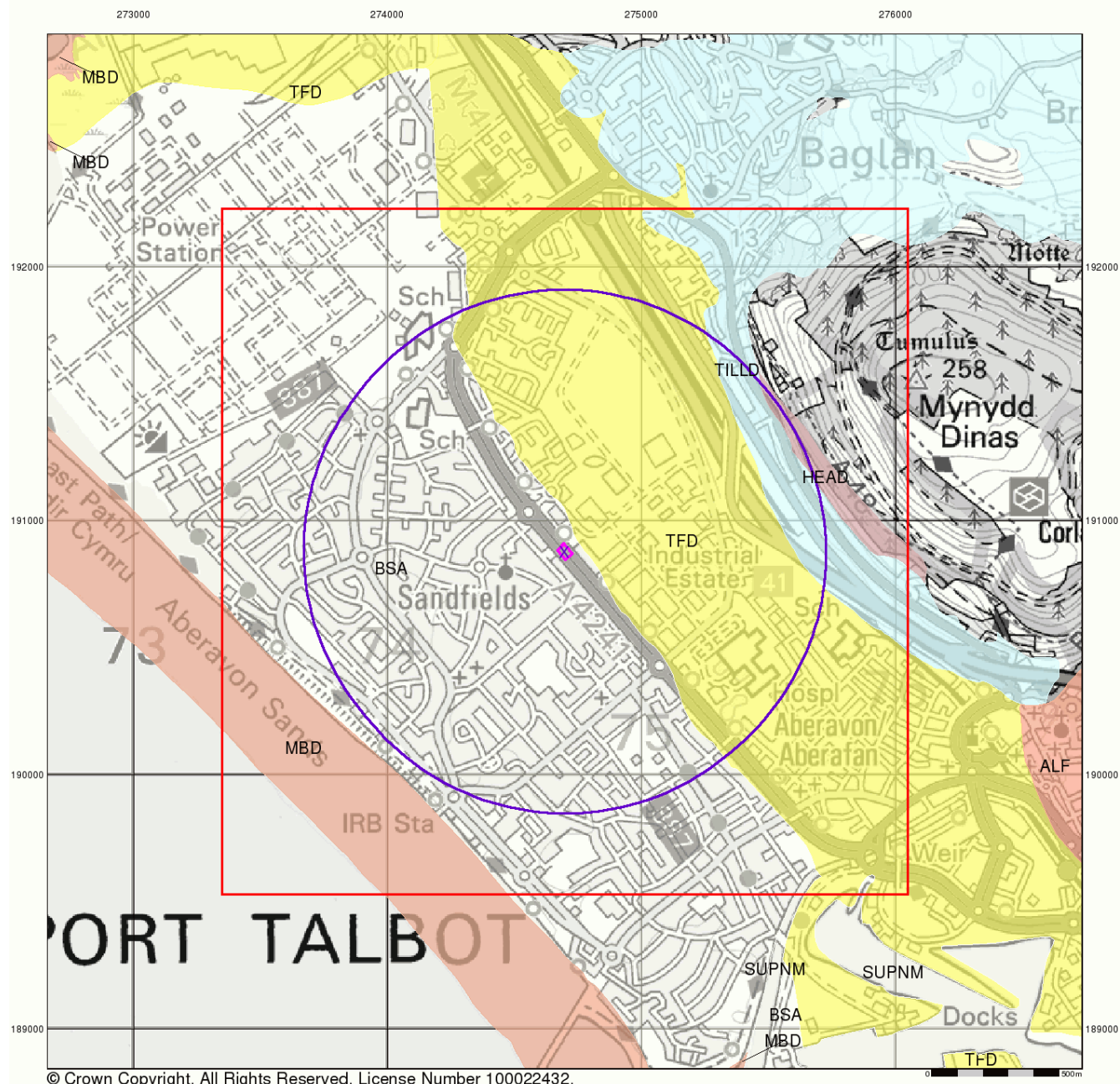
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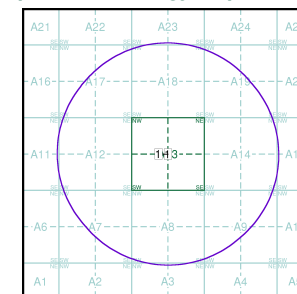
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number: 285022966_1_1
 Customer Reference: 16843
 National Grid Reference: 274700, 190880
 Slice: A
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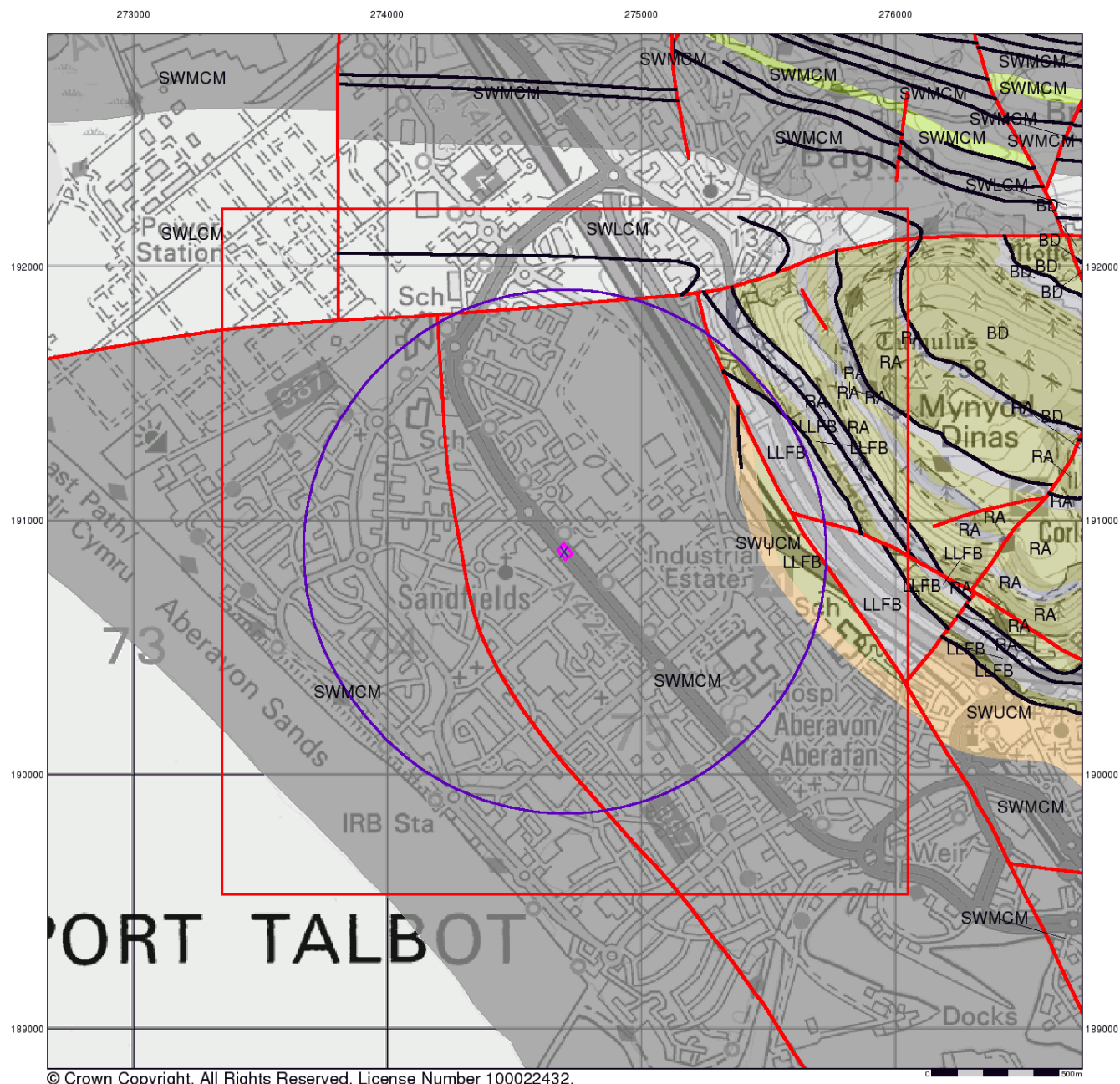
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Bedrock and Faults

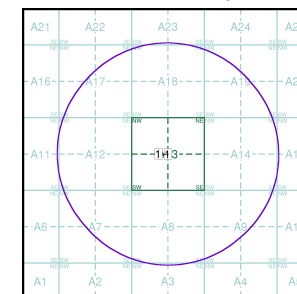
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 285022966_1_1
 Customer Reference: 16843
 National Grid Reference: 274700, 190880
 Slice: A
 Site Area (Ha): 0.17
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Site Details:

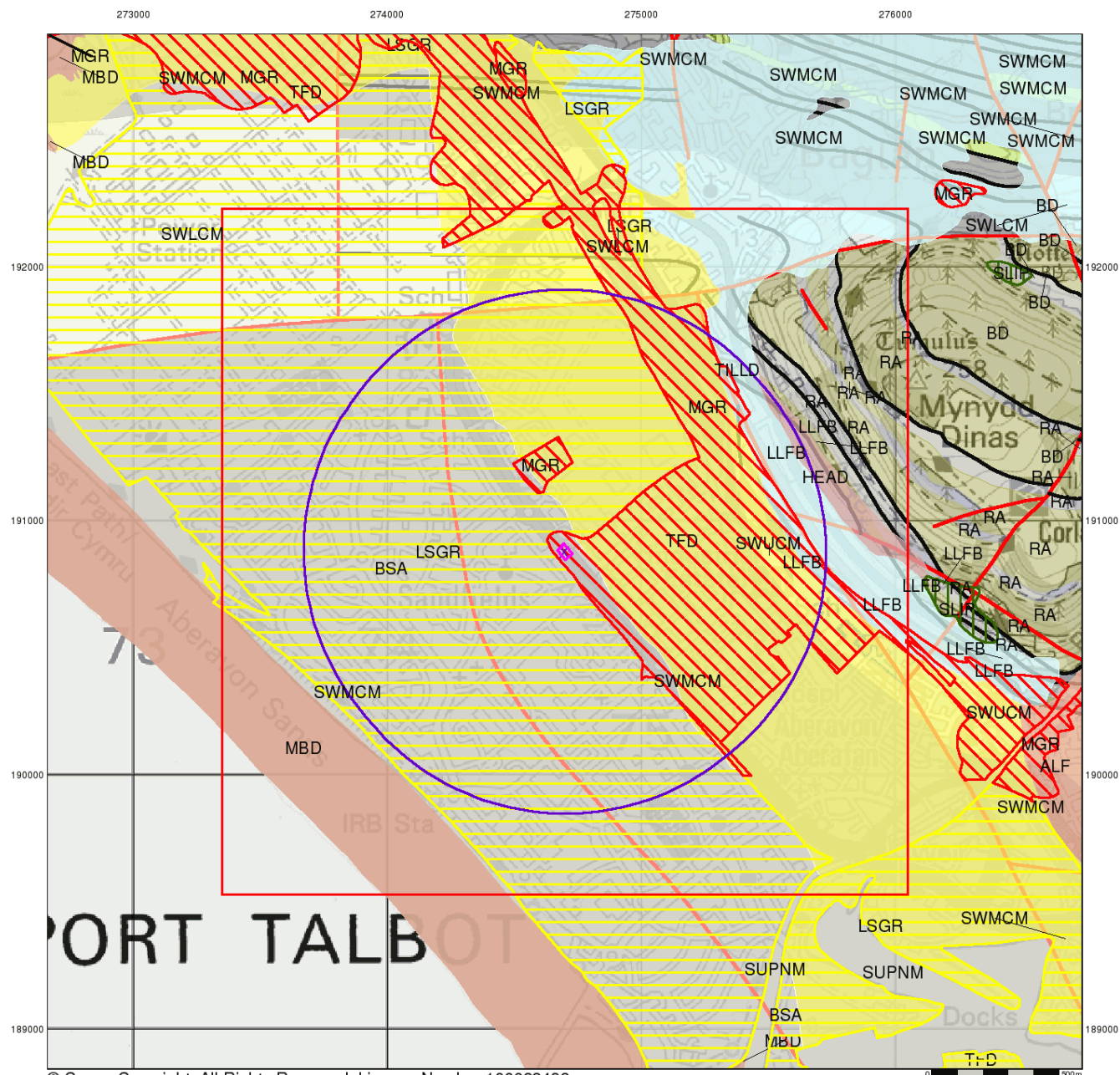
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Combined Surface Geology

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

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

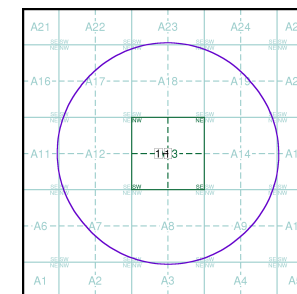
Additional Information

More information on 1:50,000 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

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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:

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

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

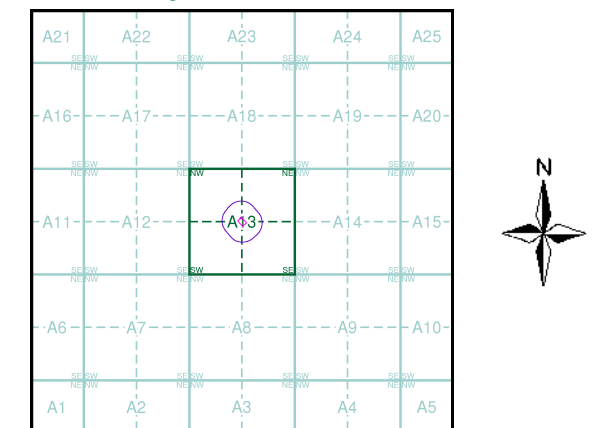


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Historical Aerial Photography	1:10,560	1949	7
Glamorganshire	1:10,560	1951 - 1952	8
Ordnance Survey Plan	1:10,000	1964 - 1965	9
Ordnance Survey Plan	1:10,000	1974	10
Swansea	1:10,000	1976	11
Ordnance Survey Plan	1:10,000	1980 - 1982	12
Ordnance Survey Plan	1:10,000	1993 - 1996	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2021	16

Historical Map - Slice A



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

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Landmark
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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Small Bridge Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Cut Fill Km Post Plantings Width of Road Steep Grade

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Small Bridge Pipe (Culvert) Tunnel Dismantled Railroad

Double-track Railroad with First Class Station Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

Key to Numbers on Mapping

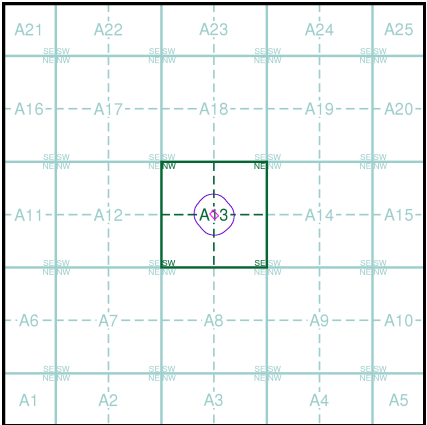


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
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Ordnance Survey Plan	1:10,000	1993 - 1996	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2021	16

Russian Map - Slice A



Order Details

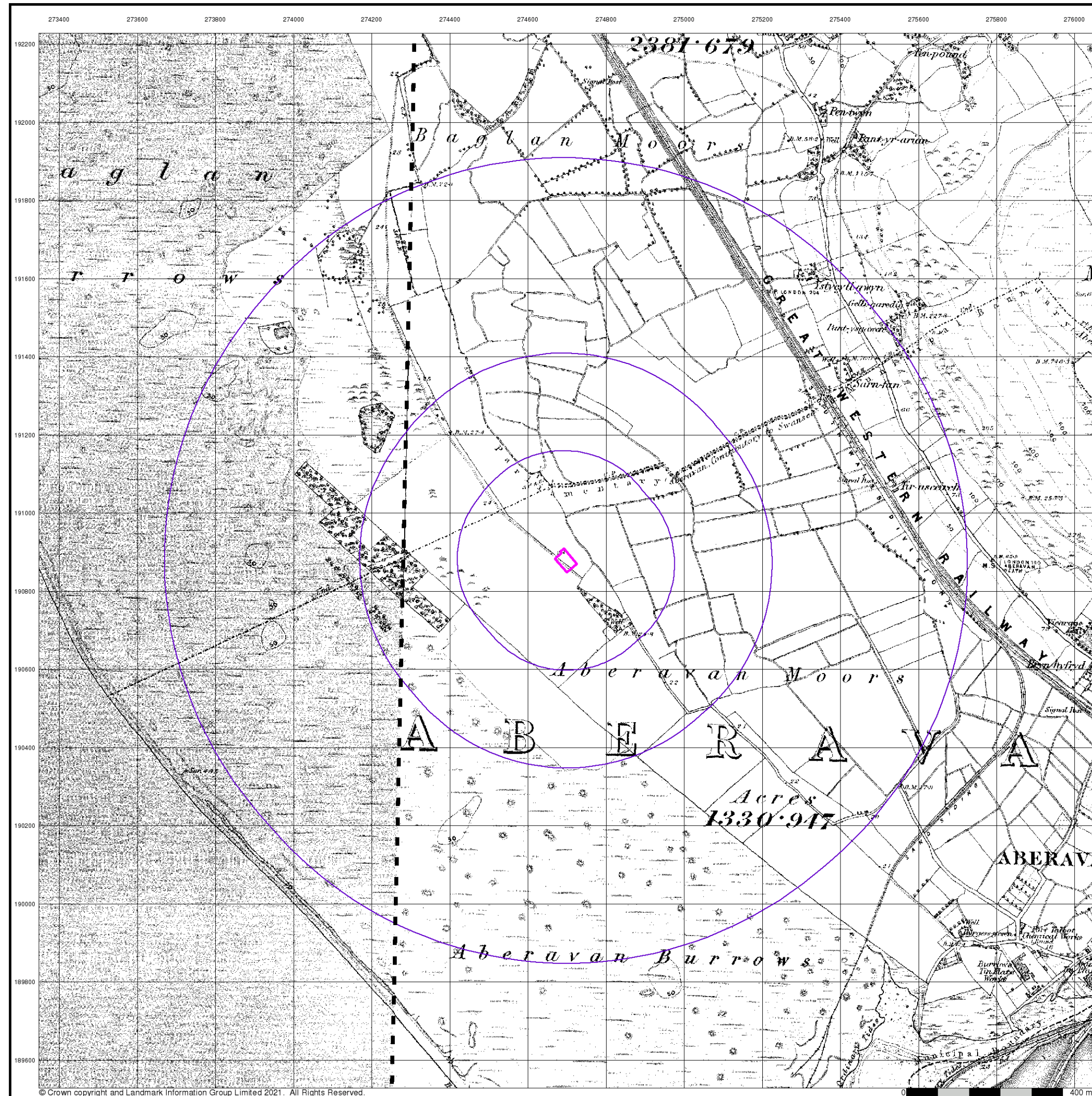
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Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

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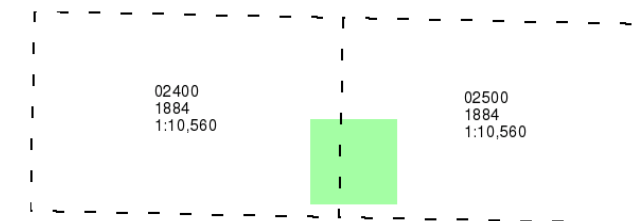
Glamorganshire

Published 1884

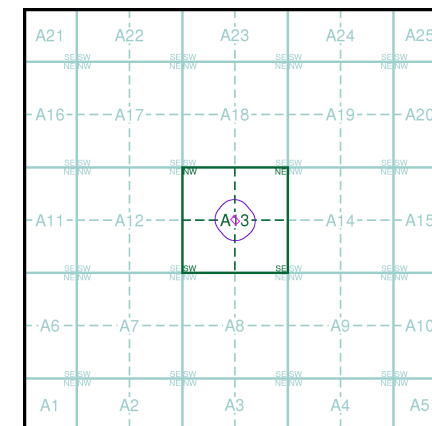
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

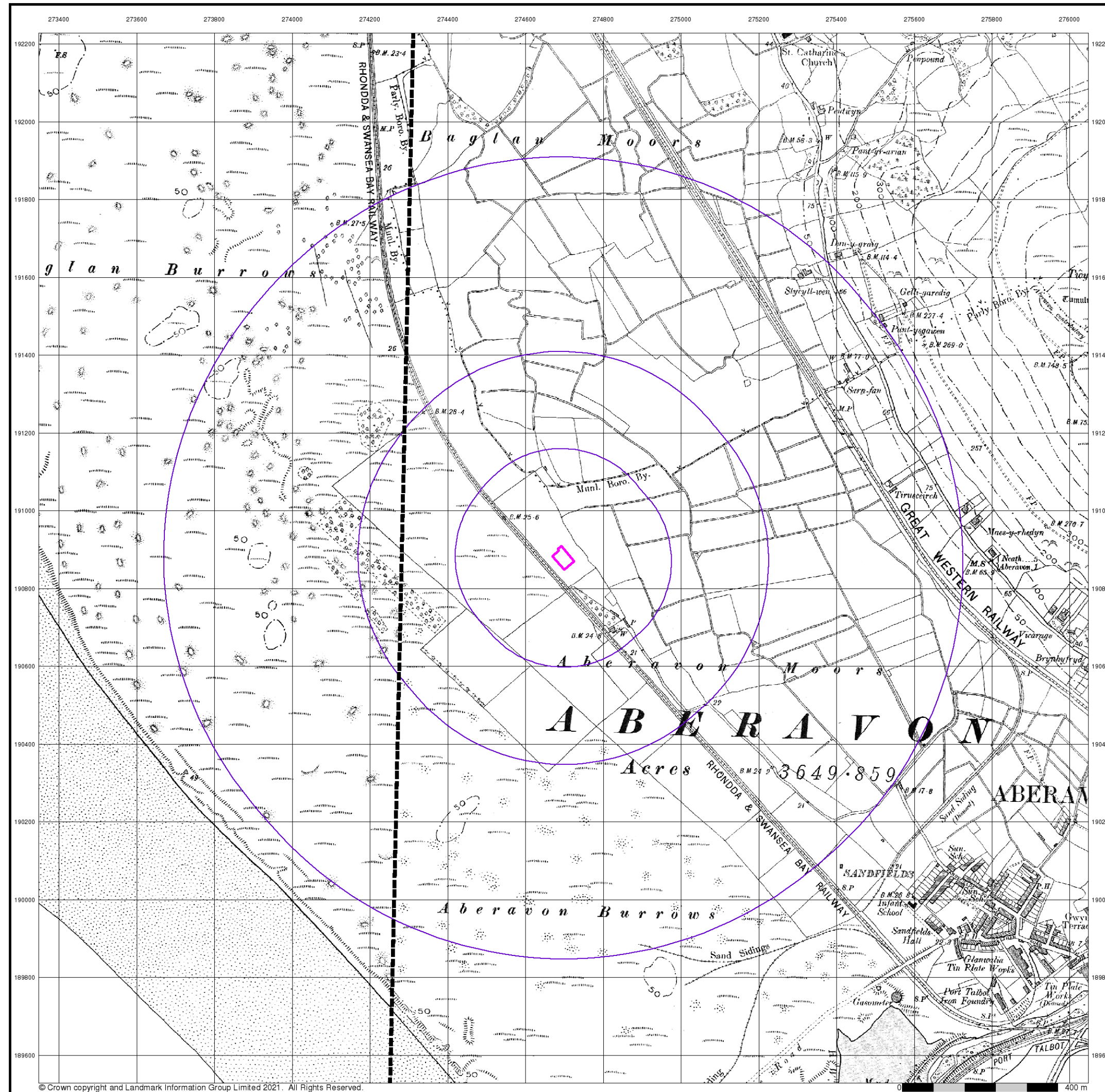
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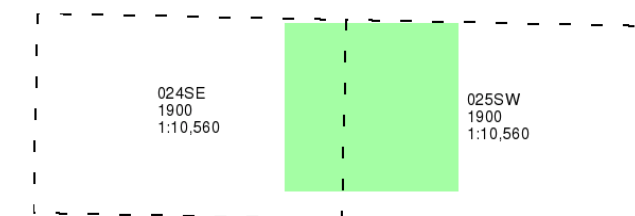
Glamorganshire

Published 1900

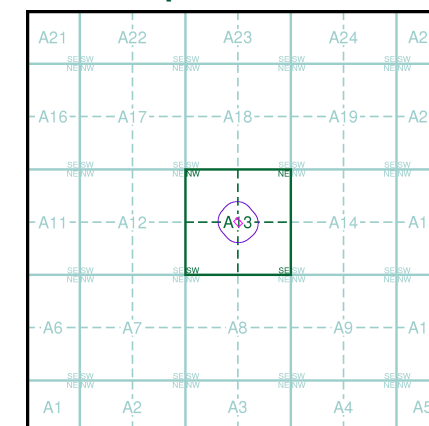
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

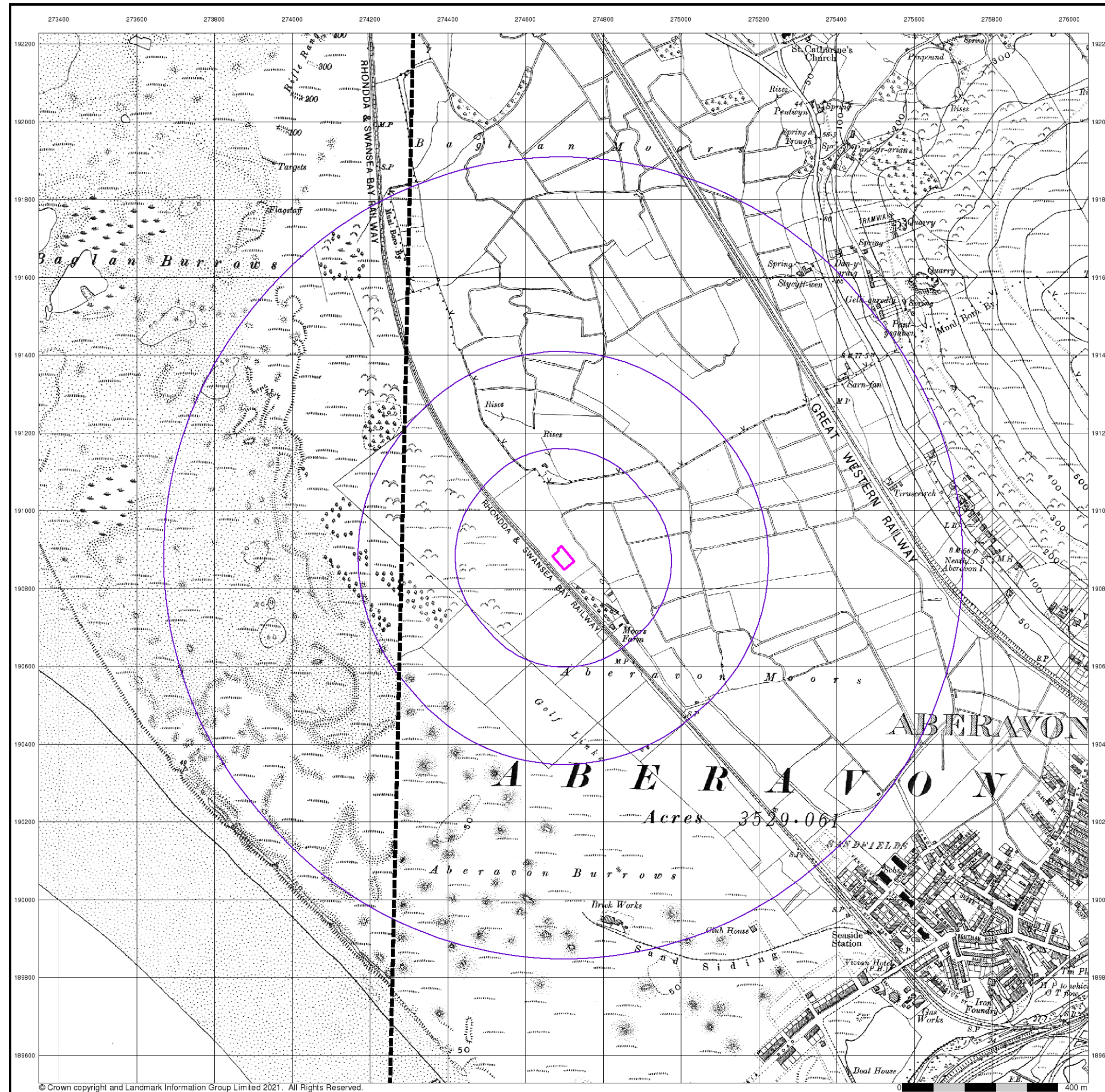
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
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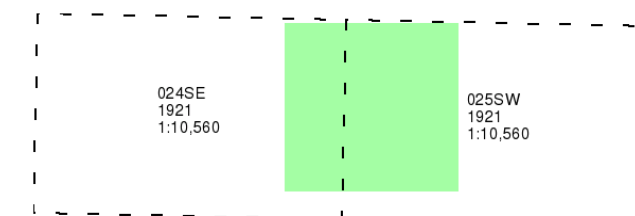
Glamorganshire

Published 1921

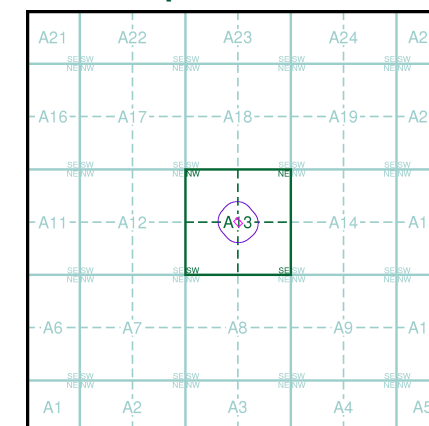
Source map scale - 1:10,560

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

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Historical Map - Slice A



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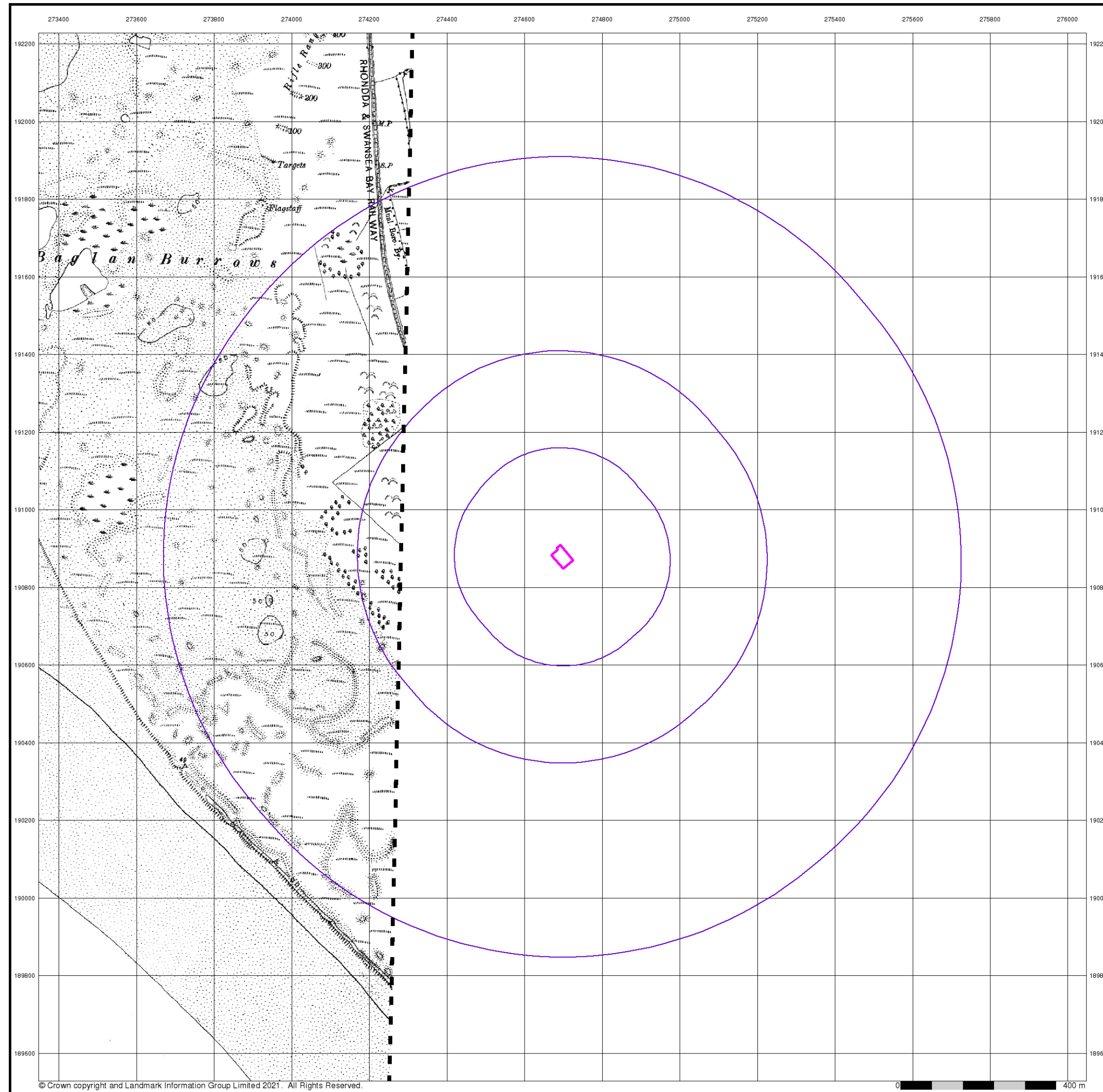
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0 400 m



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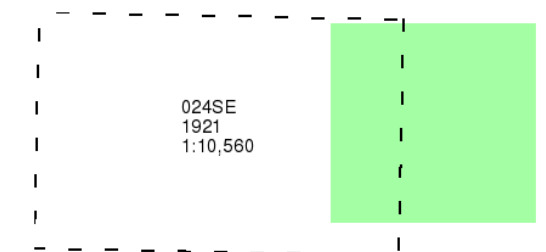
Glamorganshire

Published 1921

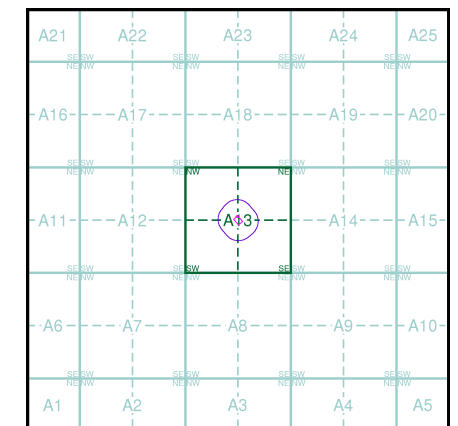
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

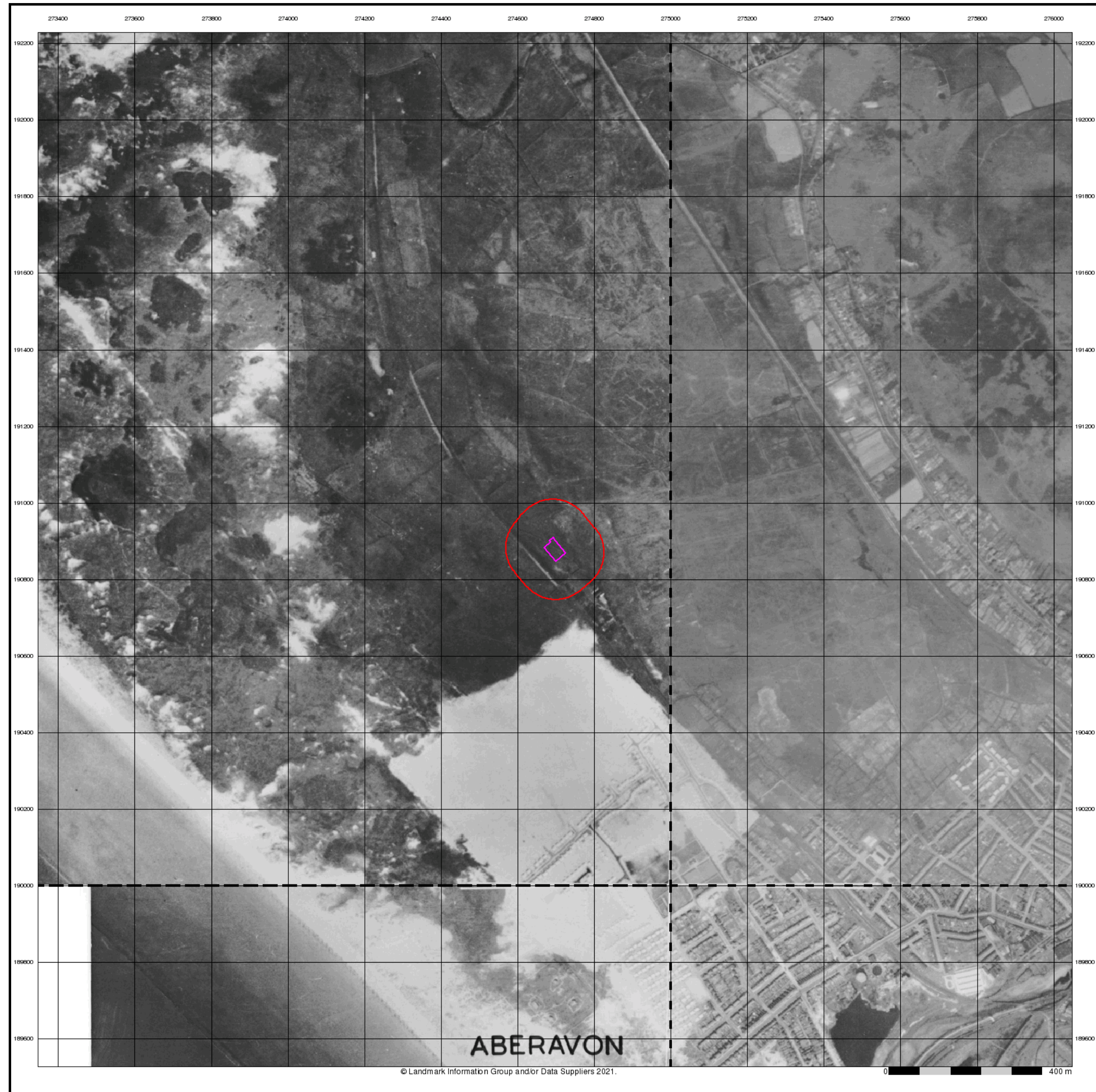
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT,
SA12 7BZ



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Historical Aerial Photography

Published 1949

Source map scale - 1:10,560

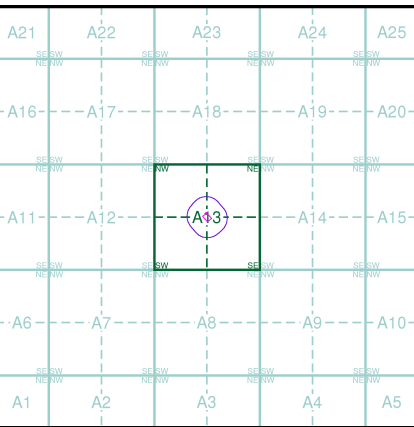
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)

SS79SW 1949 1:10,560	SS79SE 1949 1:10,560
SS78NW 1949 1:10,560	SS78NE 1949 1:10,560

Historical Aerial Photography - Slice A



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

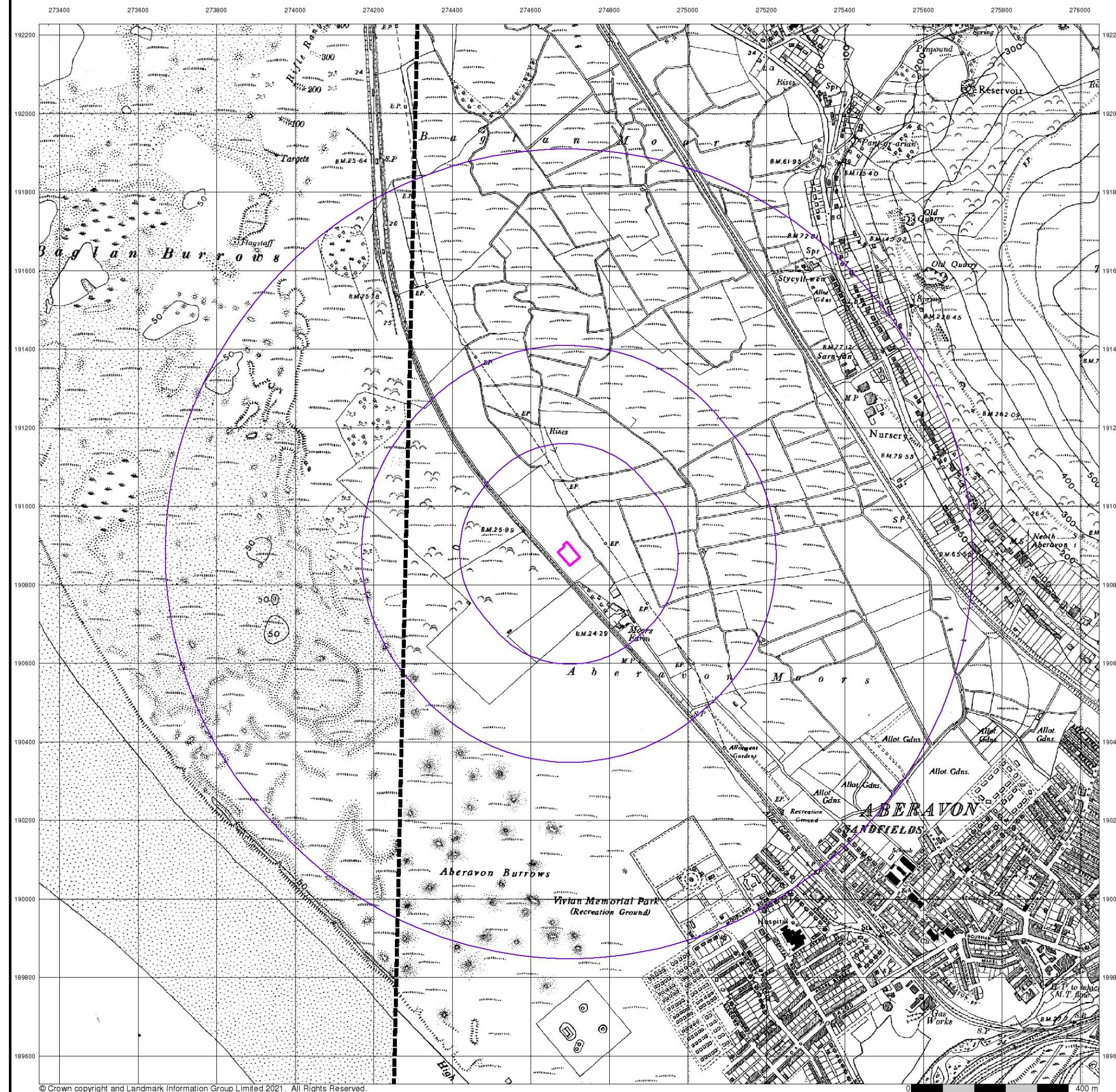
Site Details

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A Landmark Information Group Service v50.0 16-Sep-2021 Page 7 of 16



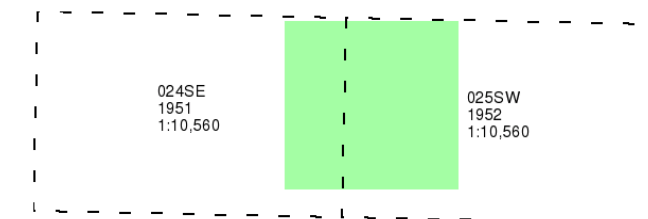
Glamorganshire

Published 1951 - 1952

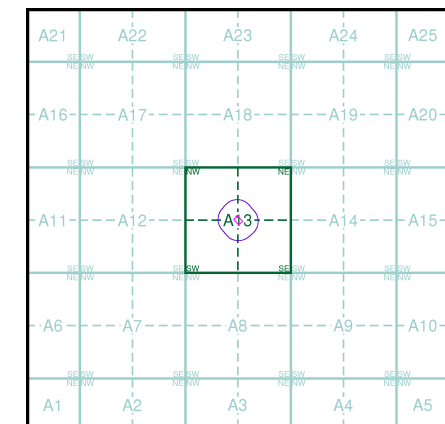
Source map scale - 1:10,560

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: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

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Geotechnical & Geoenvironmental Specialists

Ordnance Survey Plan

Published 1964 - 1965

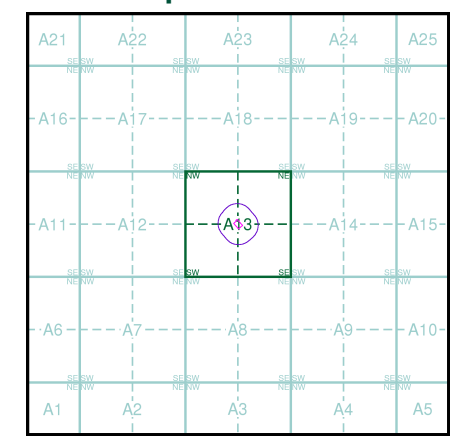
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS79SW	SS79SE
1964	1964
1:10,560	1:10,560
SS78NW	SS78NE
1965	1965
1:10,560	1:10,560

Historical Map - Slice A



Order Details

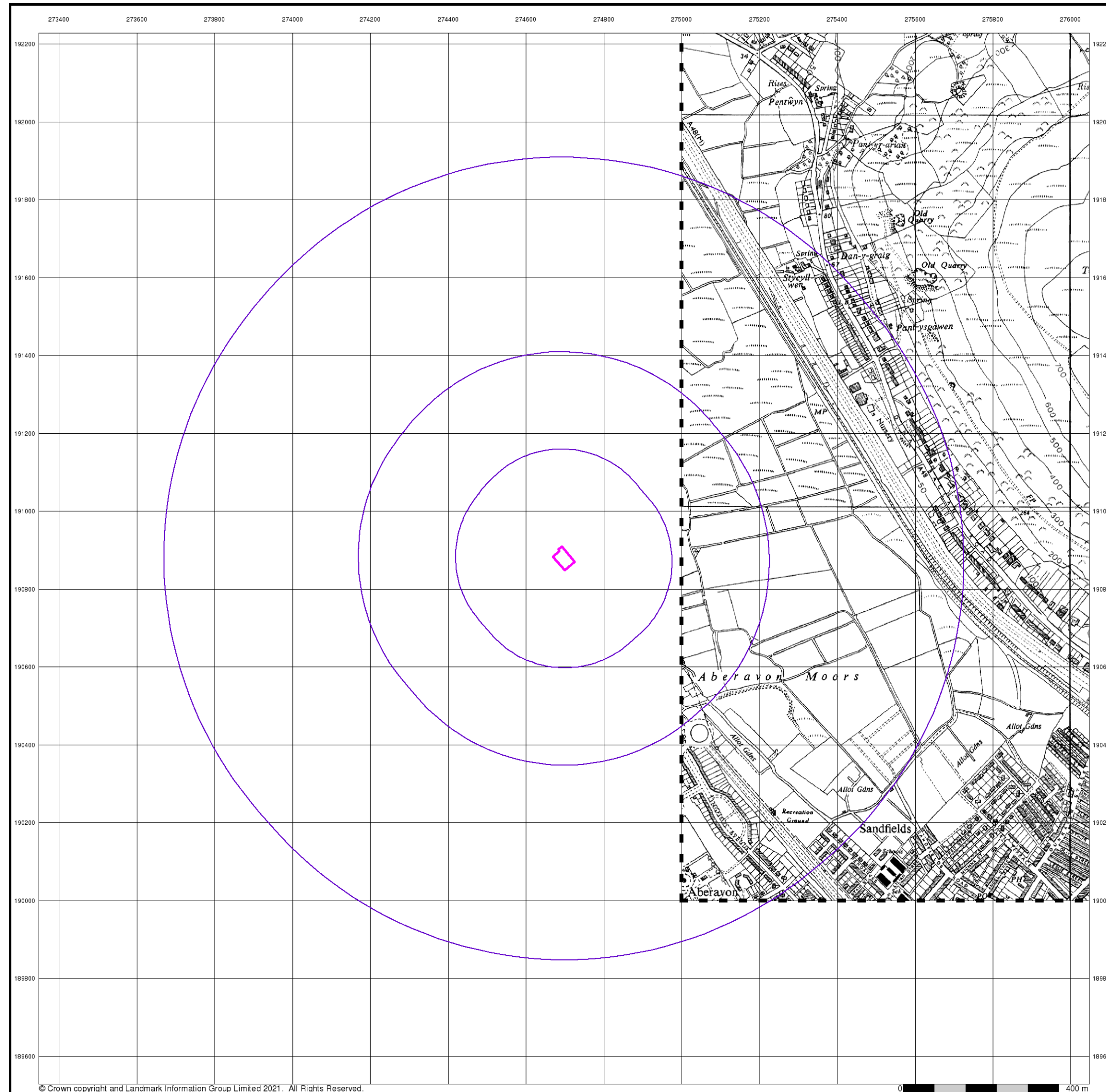
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Source map scale - 1:10,000

Map Name(s) and Date(s)

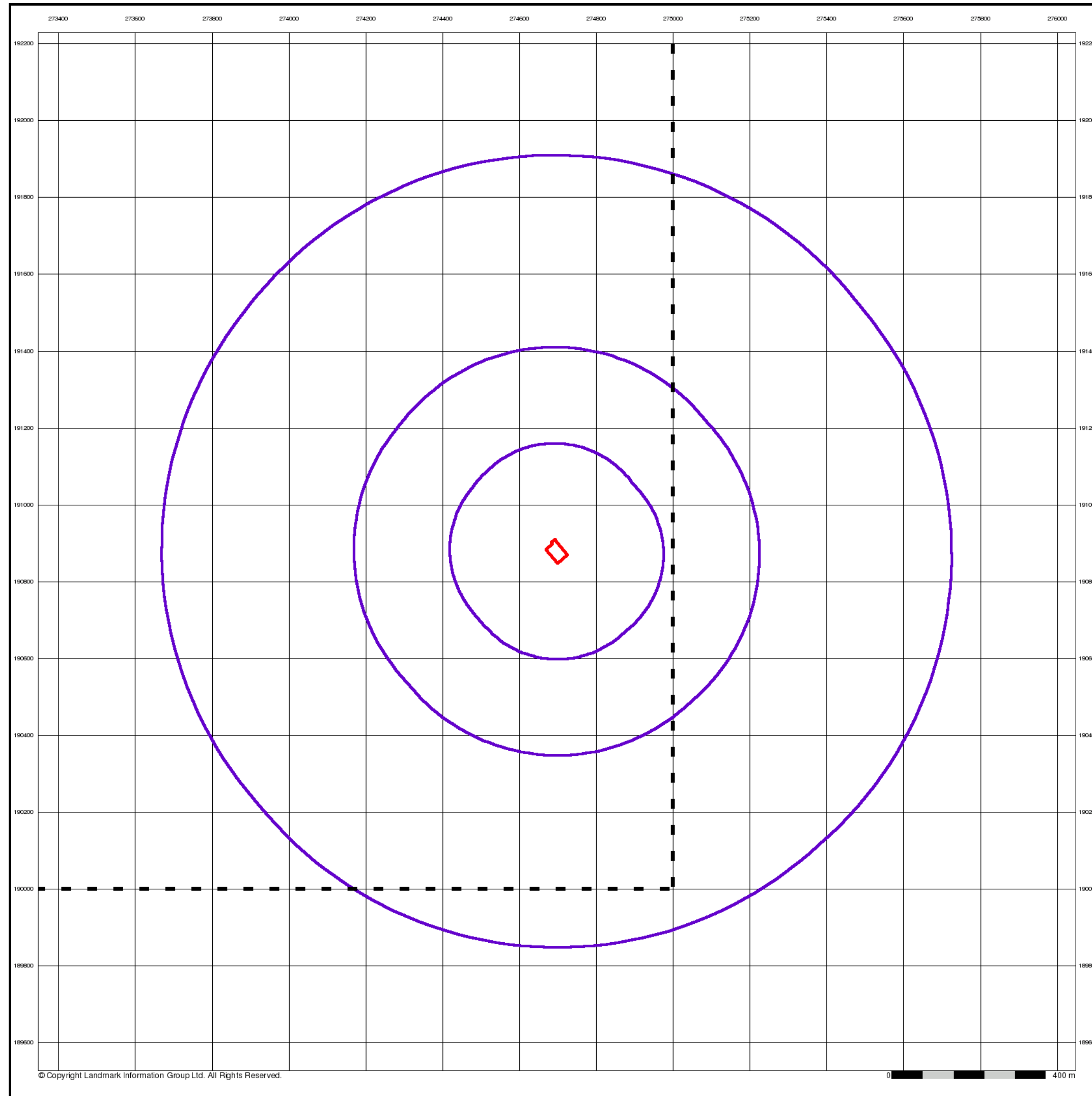
Historical Map - Slice A



Order Details

Site Details





Geotechnical & Geoenvironmental Specialists

Swansea

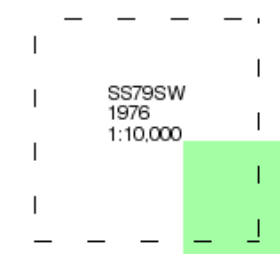
Published 1976

Source map scale - 1:10,000

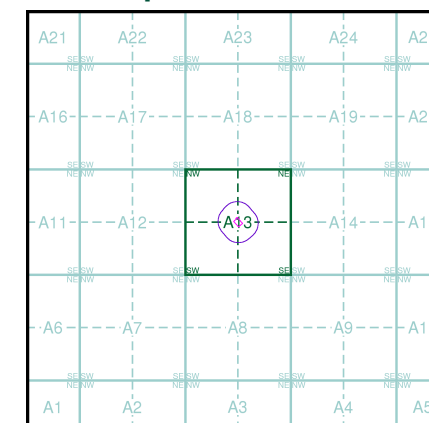
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed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

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
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Geotechnical & Geoenvironmental Specialists

Ordnance Survey Plan

Published 1980 - 1982

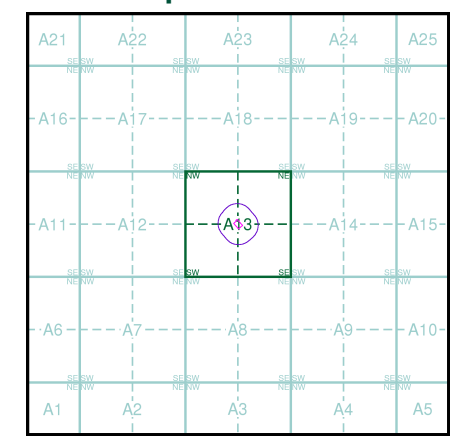
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS79SW	SS79SE
1980	1980
1:10,000	1:10,000
SS78NW	SS78NE
1982	1982
1:10,000	1:10,000

Historical Map - Slice A



Order Details

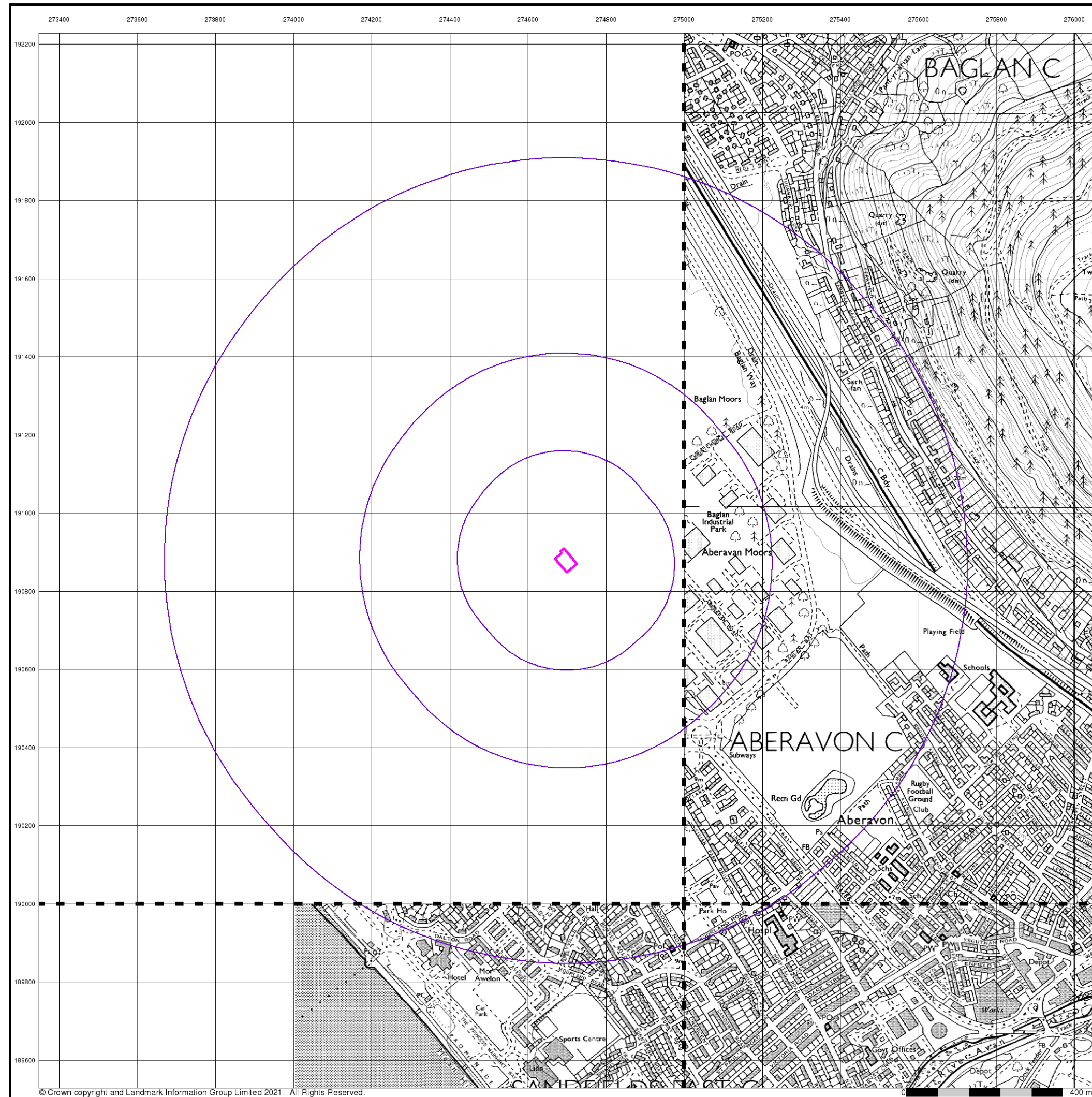
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

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Geotechnical & Geoenvironmental Specialists

Ordnance Survey Plan

Published 1993 - 1996

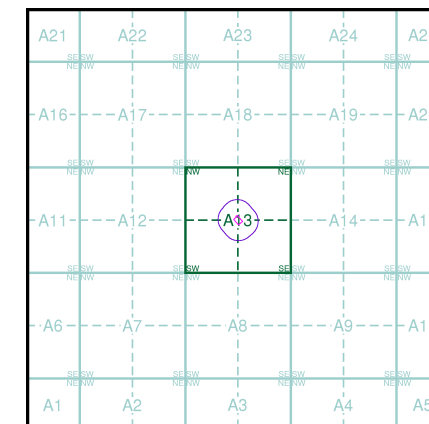
Source map scale - 1:10,000

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)

SS79SE	1996	1:10,000
SS78NW	1993	1:10,000
SS78NE	1993	1:10,000

Historical Map - Slice A



Order Details

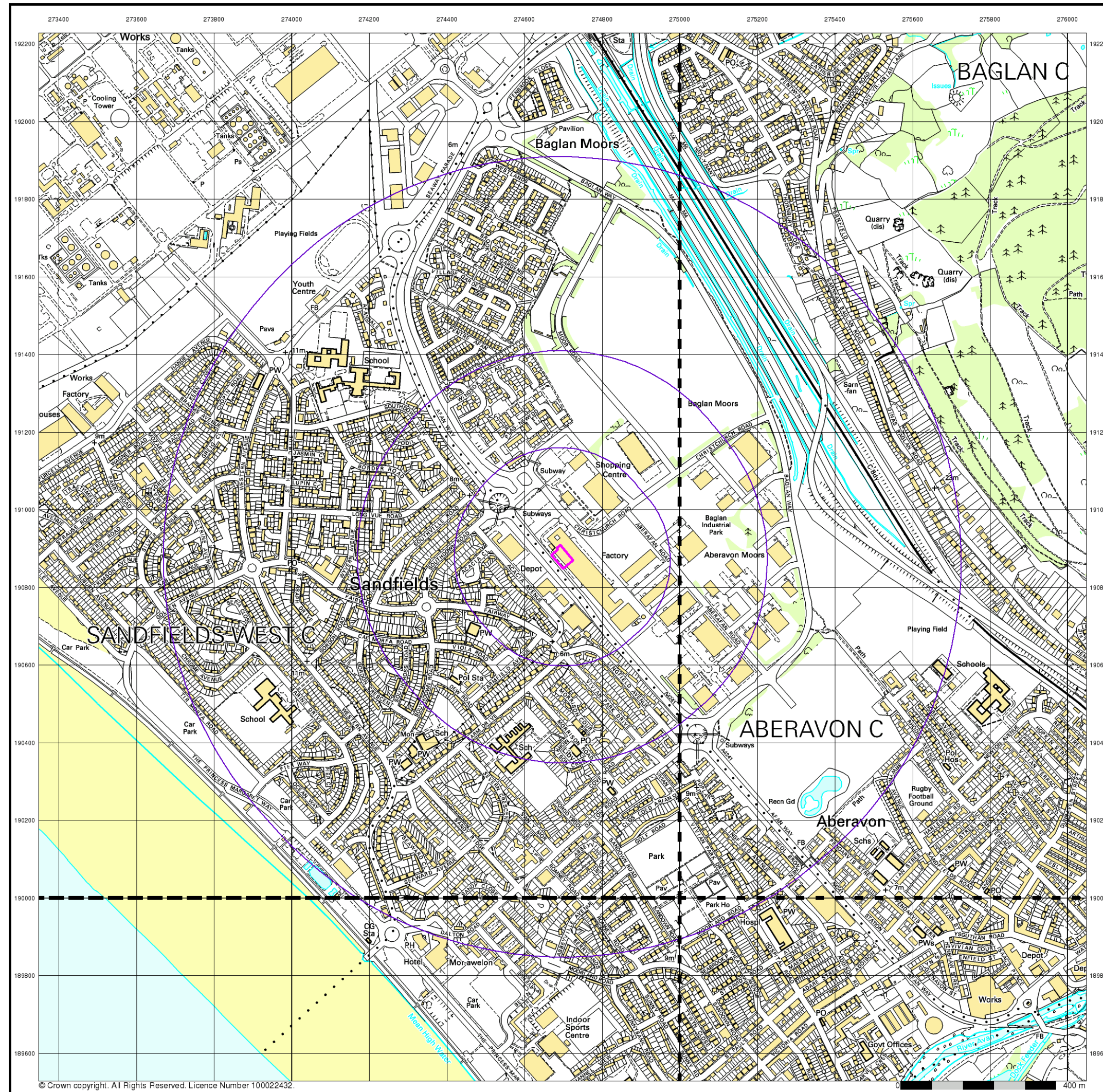
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

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Geotechnical & Geoenvironmental Specialists

10k Raster Mapping

Published 1999

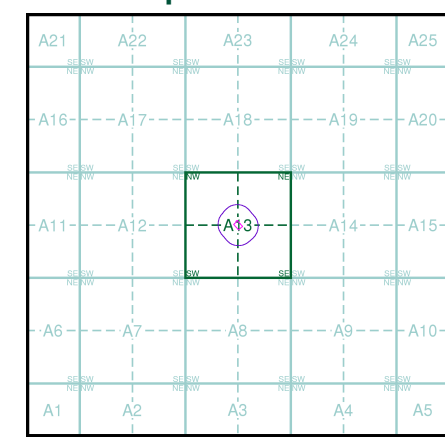
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS79SW	SS79SE
1999	1999
1:10,000	1:10,000
SS78NW	SS78NE
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

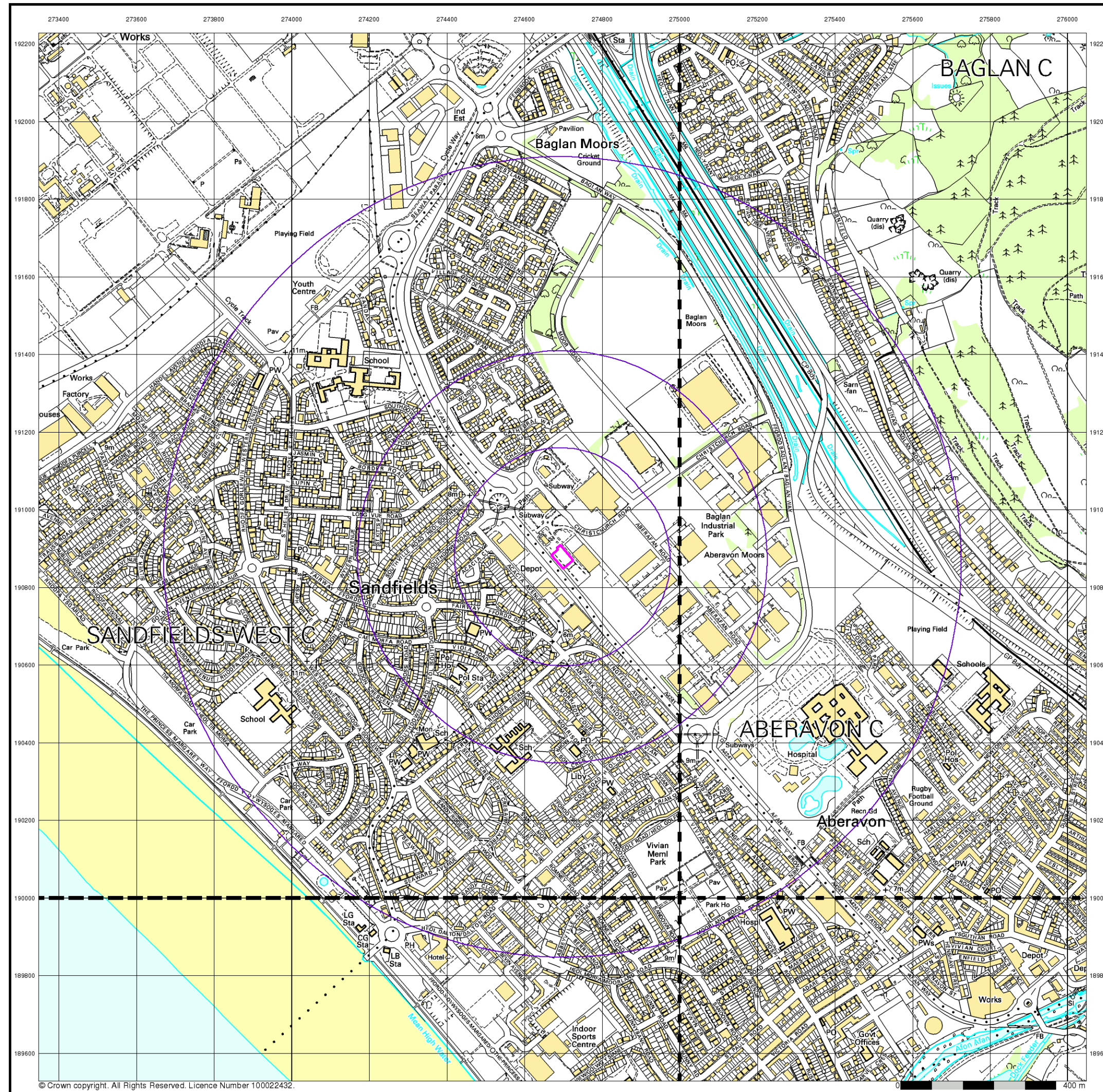
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

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Geotechnical & Geoenvironmental Specialists

10k Raster Mapping

Published 2006

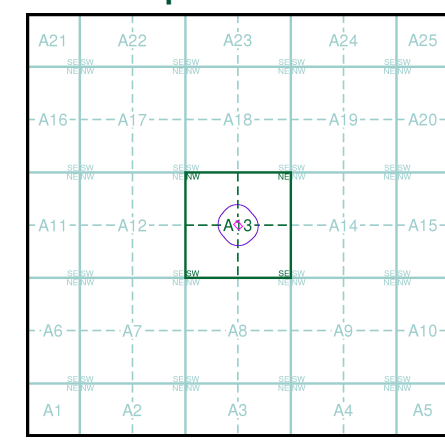
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS79SW 2006 1:10,000	SS79SE 2006 1:10,000
SS78NW 2006 1:10,000	SS78NE 2006 1:10,000

Historical Map - Slice A



Order Details

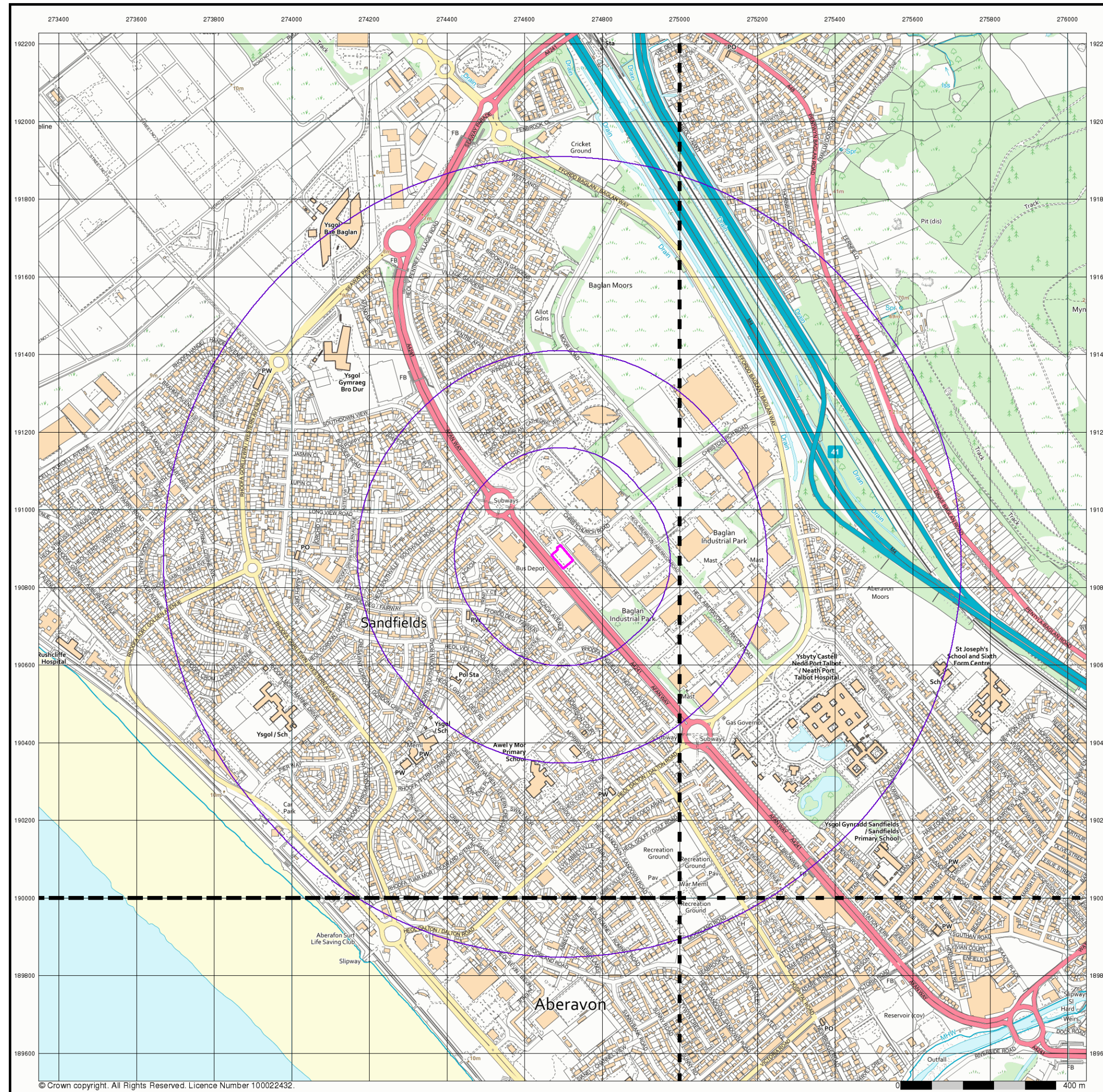
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

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Geotechnical & Geoenvironmental Specialists

VectorMap Local

Published 2021

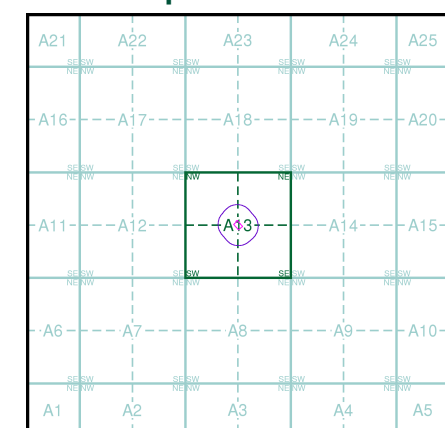
Source map scale - 1:10,000

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)

SS79SW	SS79SE
2021	2021
Variable	Variable
SS78NW	SS78NE
2021	2021
Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 1000

Site Details

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Historical Mapping Legends

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



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



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

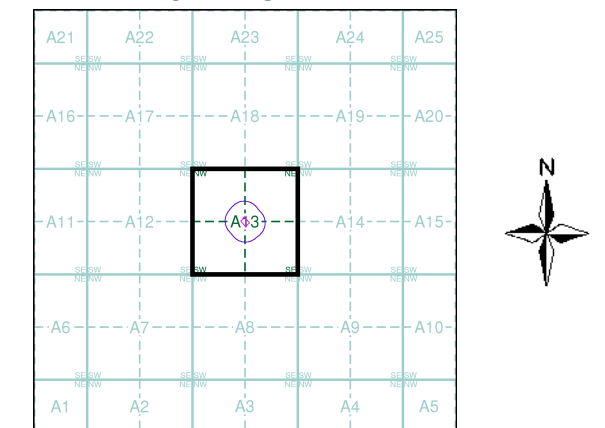


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1876	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1917 - 1918	4
Glamorganshire	1:2,500	1936 - 1939	5
Ordnance Survey Plan	1:1,250	1957 - 1971	6
Ordnance Survey Plan	1:2,500	1958 - 1972	7
Ordnance Survey Plan	1:1,250	1967 - 1984	8
Ordnance Survey Plan	1:1,250	1972 - 1989	9
Additional SIMs	1:1,250	1978 - 1985	10
Additional SIMs	1:1,250	1988 - 1991	11
Additional SIMs	1:1,250	1991	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:1,250	1993 - 1995	14
Large-Scale National Grid Data	1:1,250	1996	15
Historical Aerial Photography	1:2,500	2000	16

Historical Map - Segment A13



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 100

Site Details

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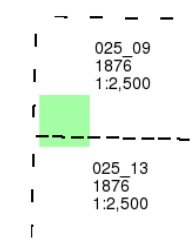
Glamorganshire

Published 1876

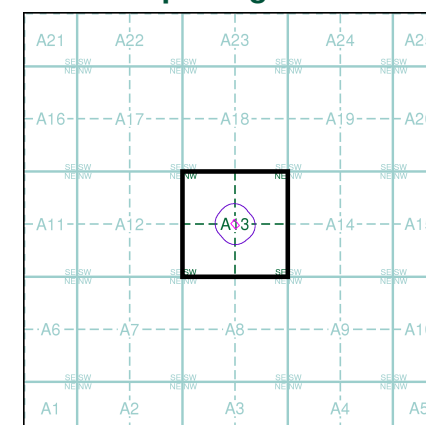
Source map scale - 1:2,500

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

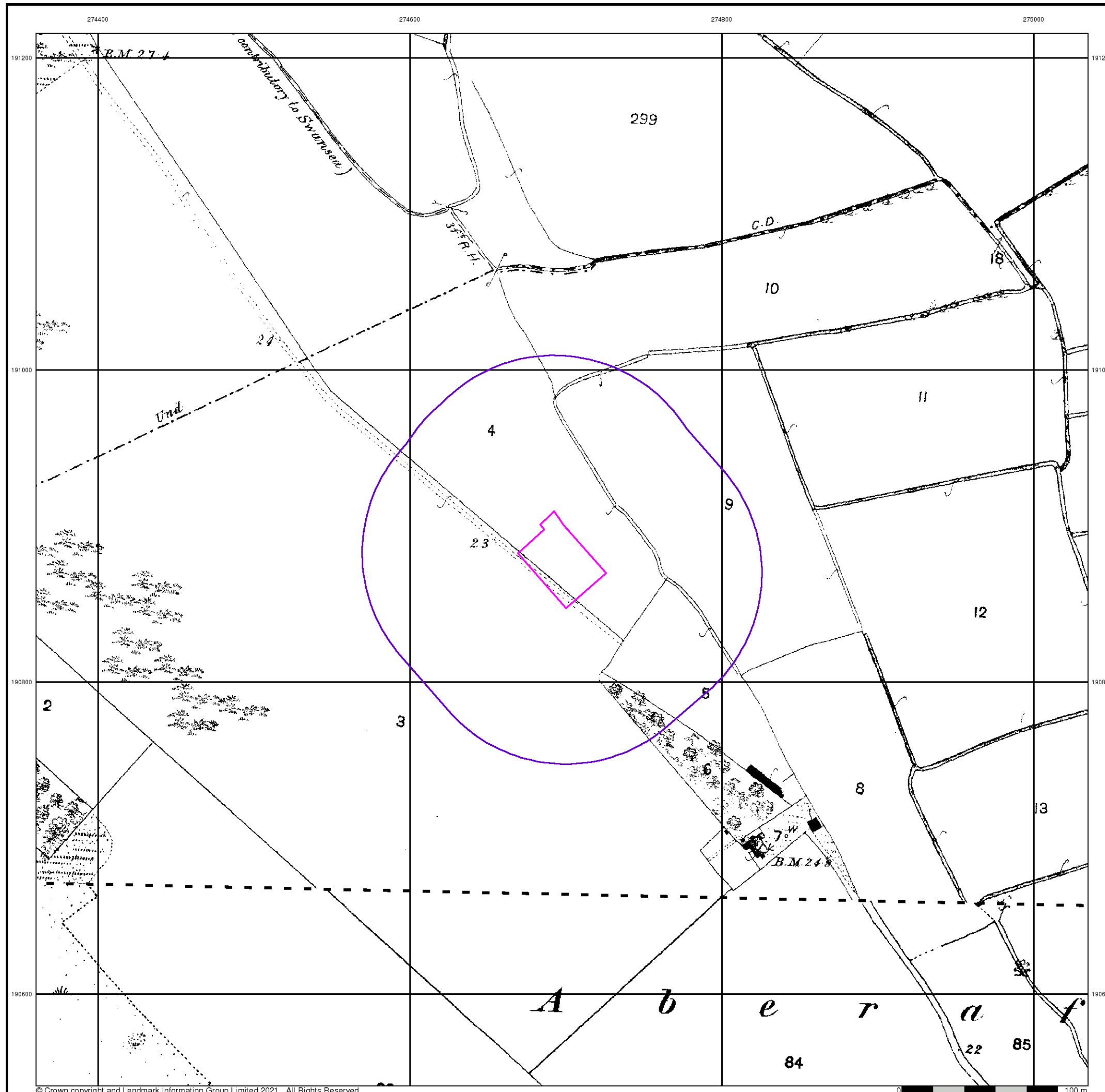
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 100

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Geotechnical & Geoenvironmental Specialists

Glamorganshire

Published 1899

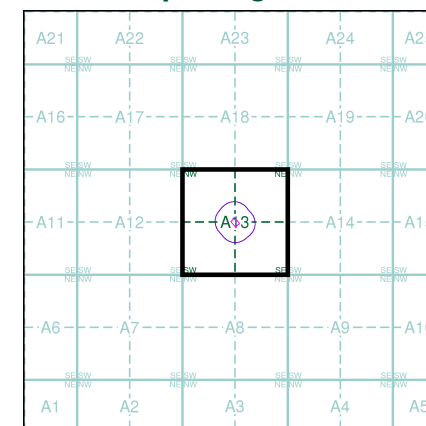
Source map scale - 1:2,500

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)

025_09
1899
1:2,500
025_13
1899
1:2,500

Historical Map - Segment A13



Order Details

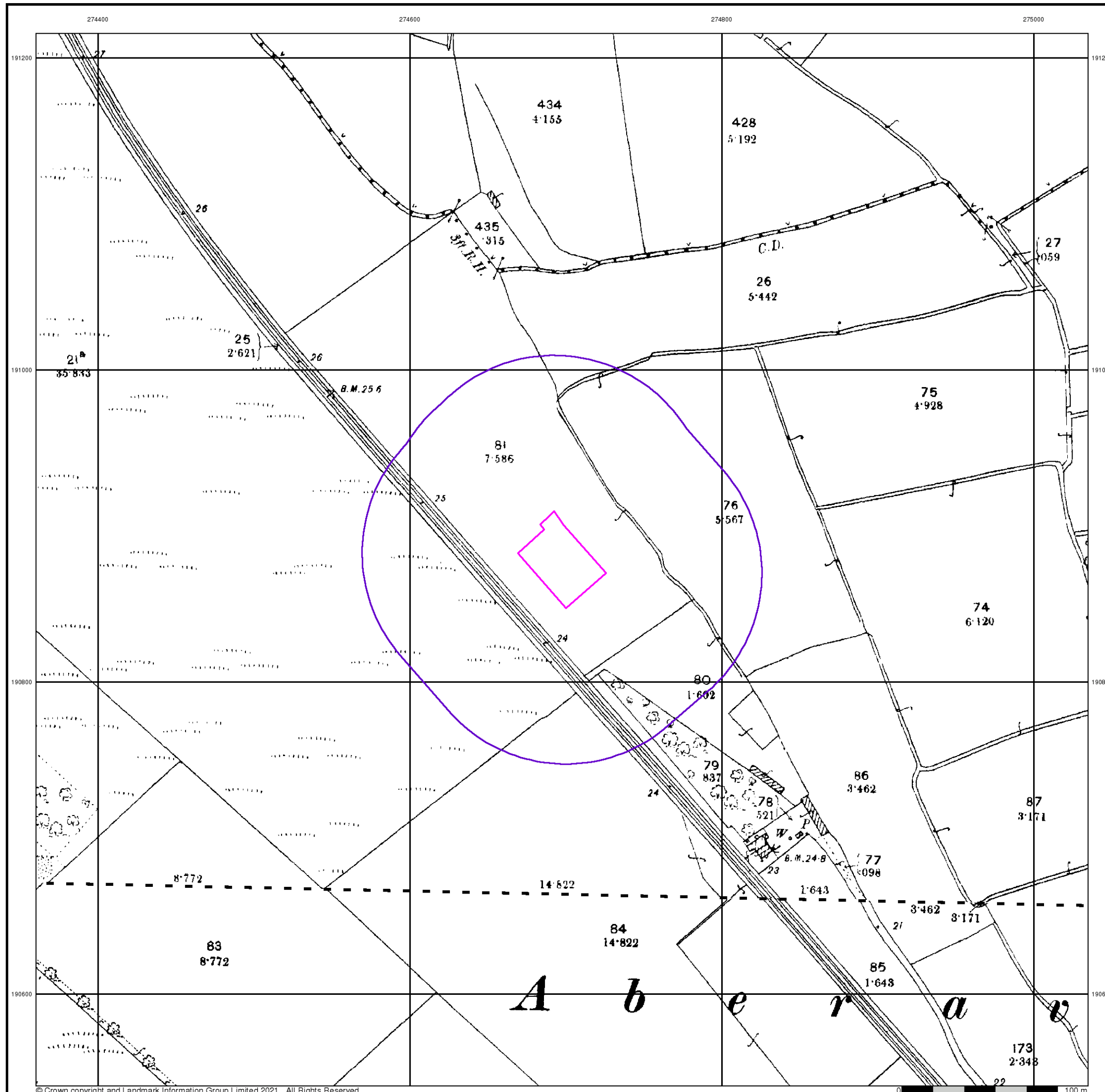
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 100

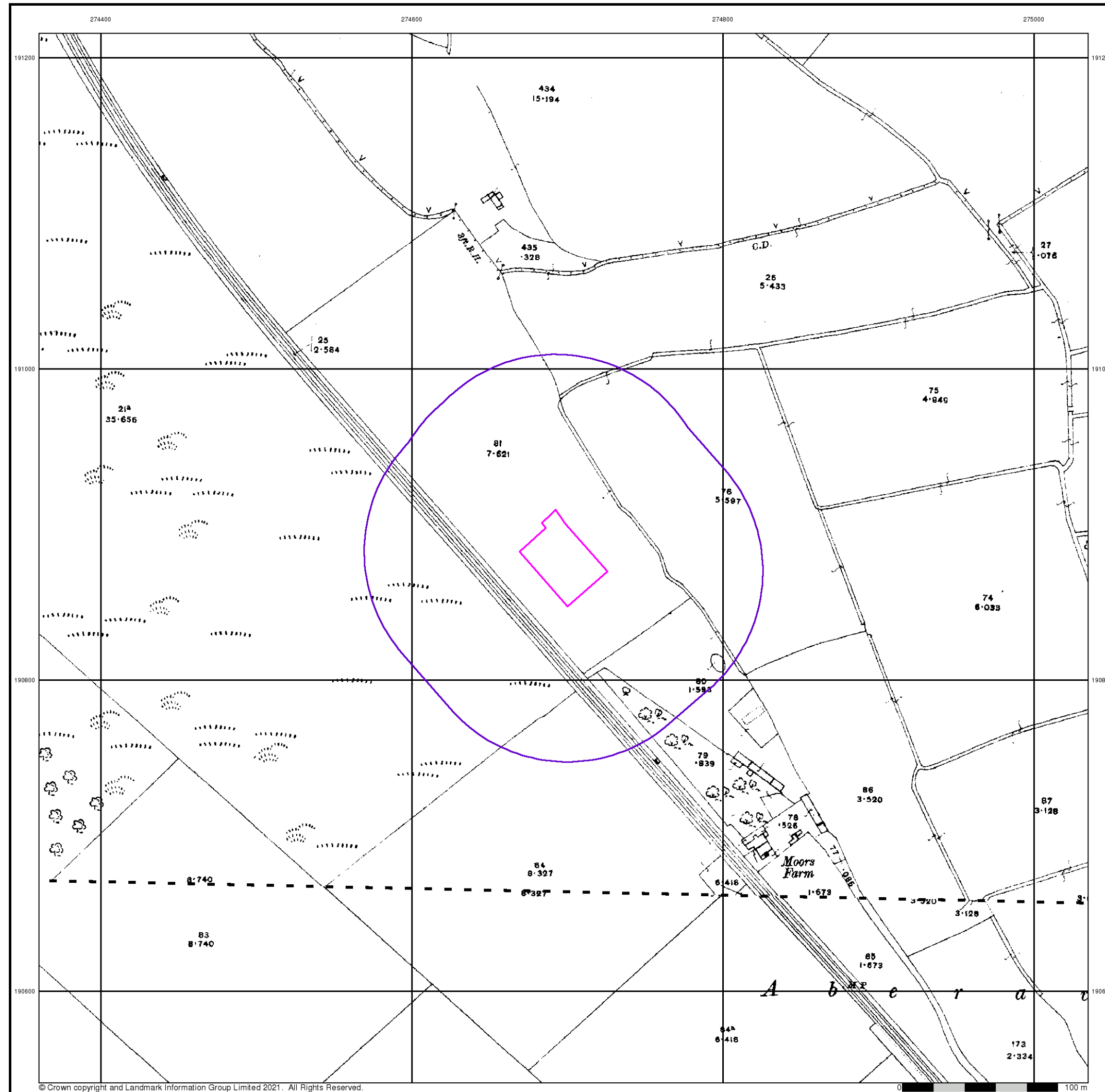
Site Details

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Geotechnical & Geoenvironmental Specialists

Glamorganshire

Published 1917 - 1918

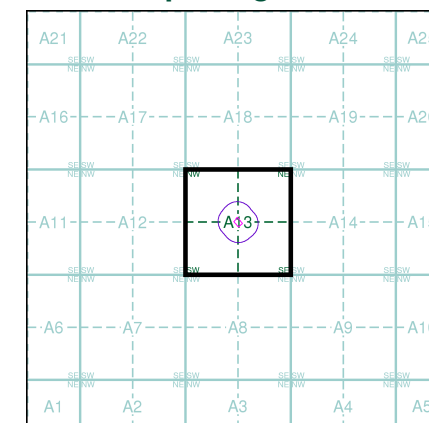
Source map scale - 1:2,500

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)

025_09
1918
1:2,500
025_13
1917
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 100

Site Details

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Geotechnical & Geoenvironmental Specialists

Glamorganshire

Published 1936 - 1939

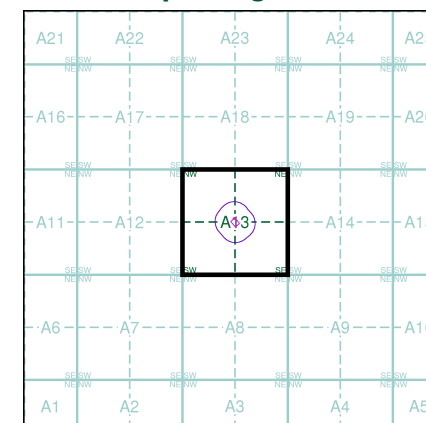
Source map scale - 1:2,500

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)

025_09
1936
1:2,500
025_13
1939
1:2,500

Historical Map - Segment A13



Order Details

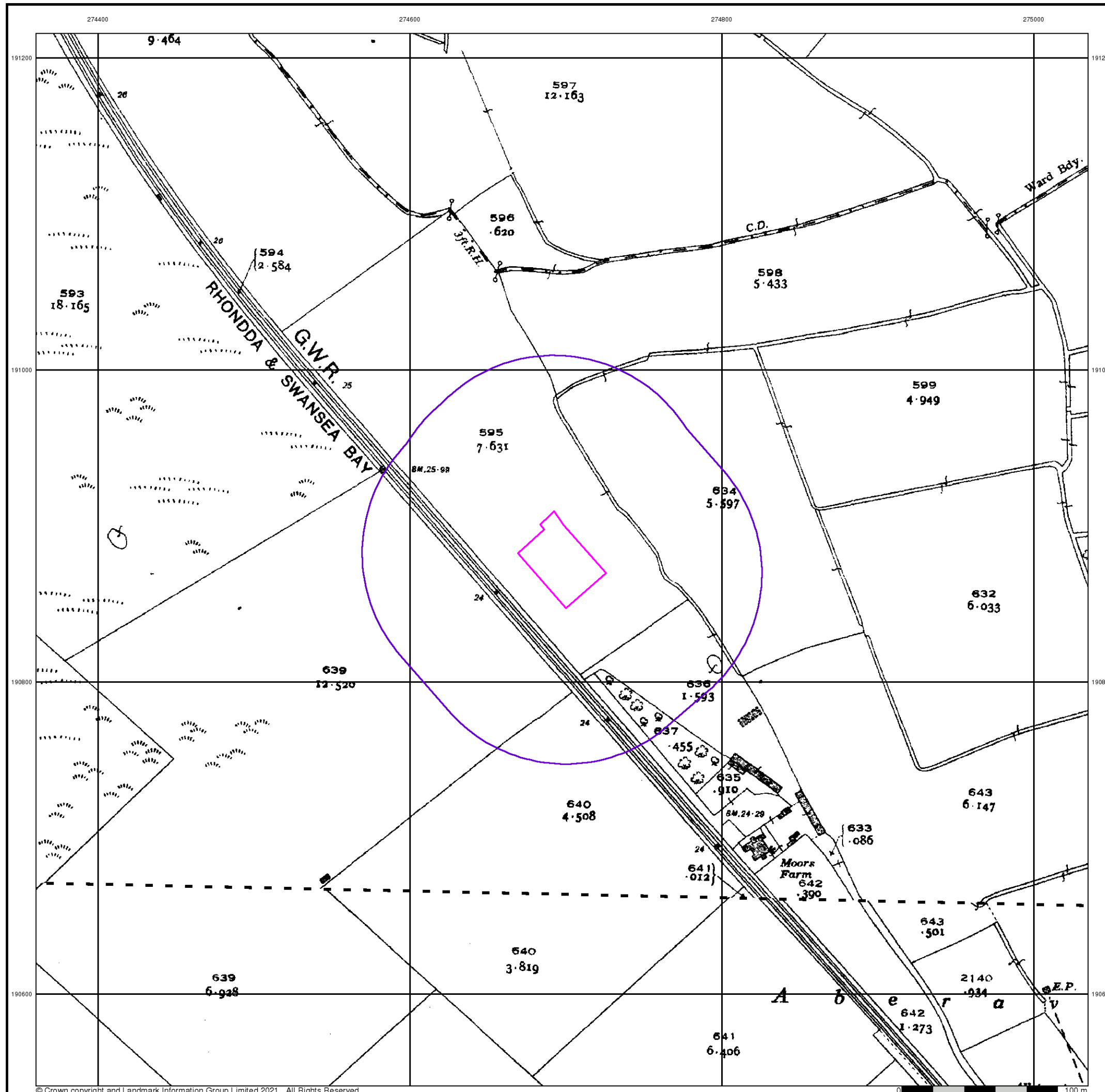
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 100

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT,
SA12 7BZ

Landmark
INFORMATION GROUP

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





Geotechnical & Geoenvironmental Specialists

Ordnance Survey Plan

Published 1957 - 1971

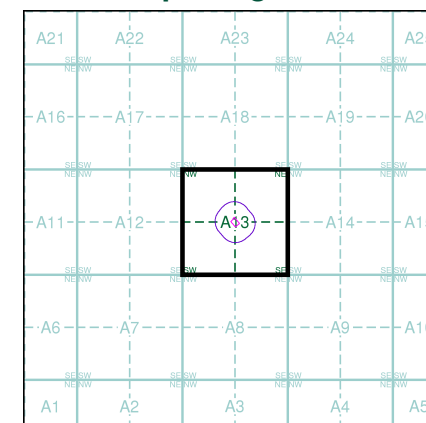
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SS7491SW 1963 1:1,250	SS7491SE 1971 1:1,250	SS7591SW 1970 1:1,250
SS7490NW 1963 1:1,250	SS7490NE 1957 1:1,250	SS7590NW 1971 1:1,250

Historical Map - Segment A13



Order Details

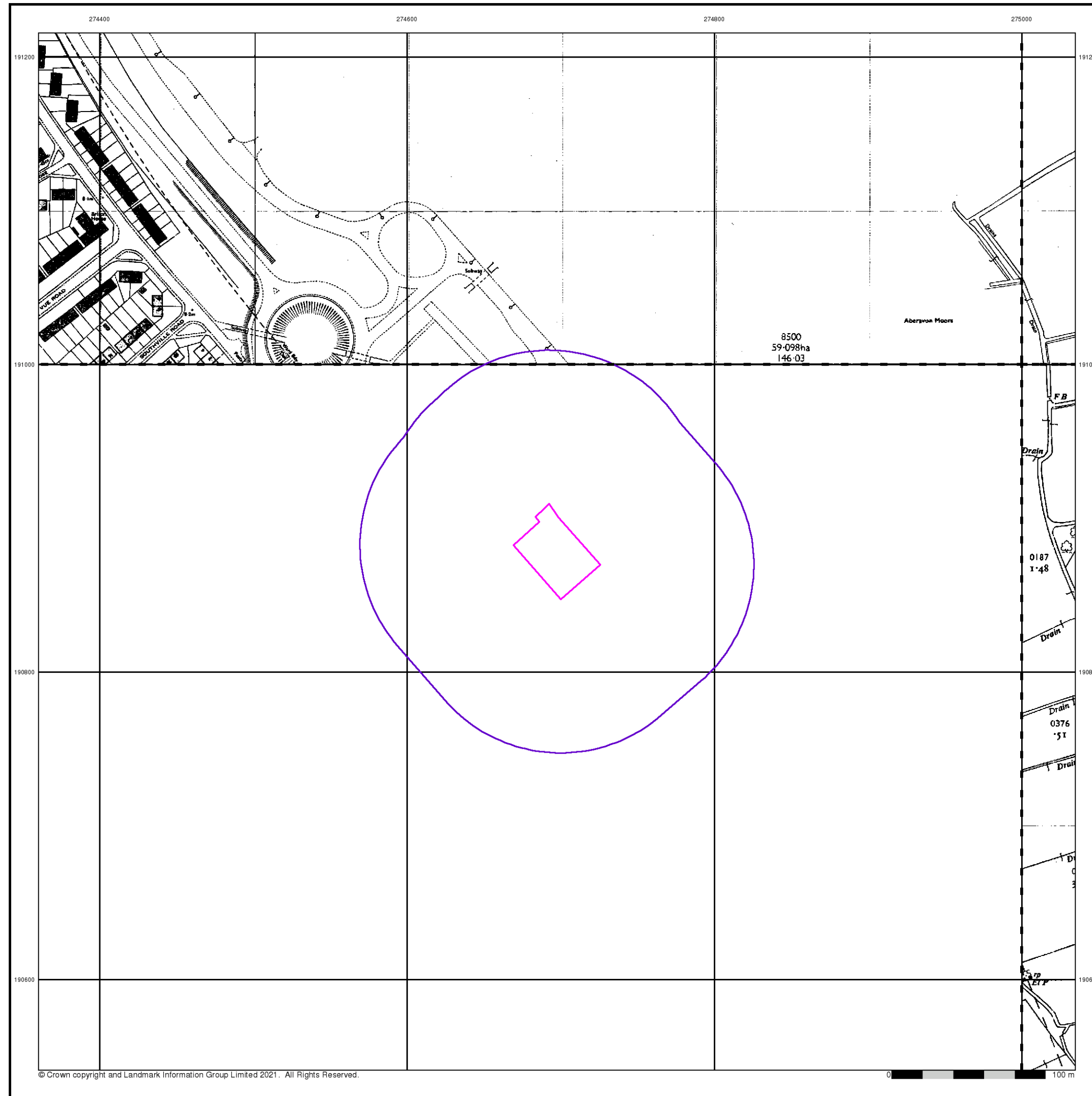
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Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
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Ordnance Survey Plan

Published 1958 - 1972

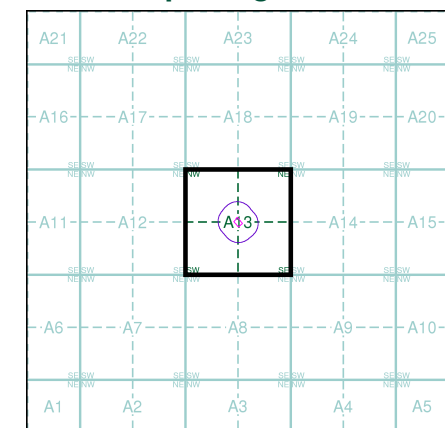
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Map Name(s) and Date(s)

SS7491 1972 1:2,500	SS7591 1972 1:2,500
	SS7590 1958 1:2,500

Historical Map - Segment A13



Order Details

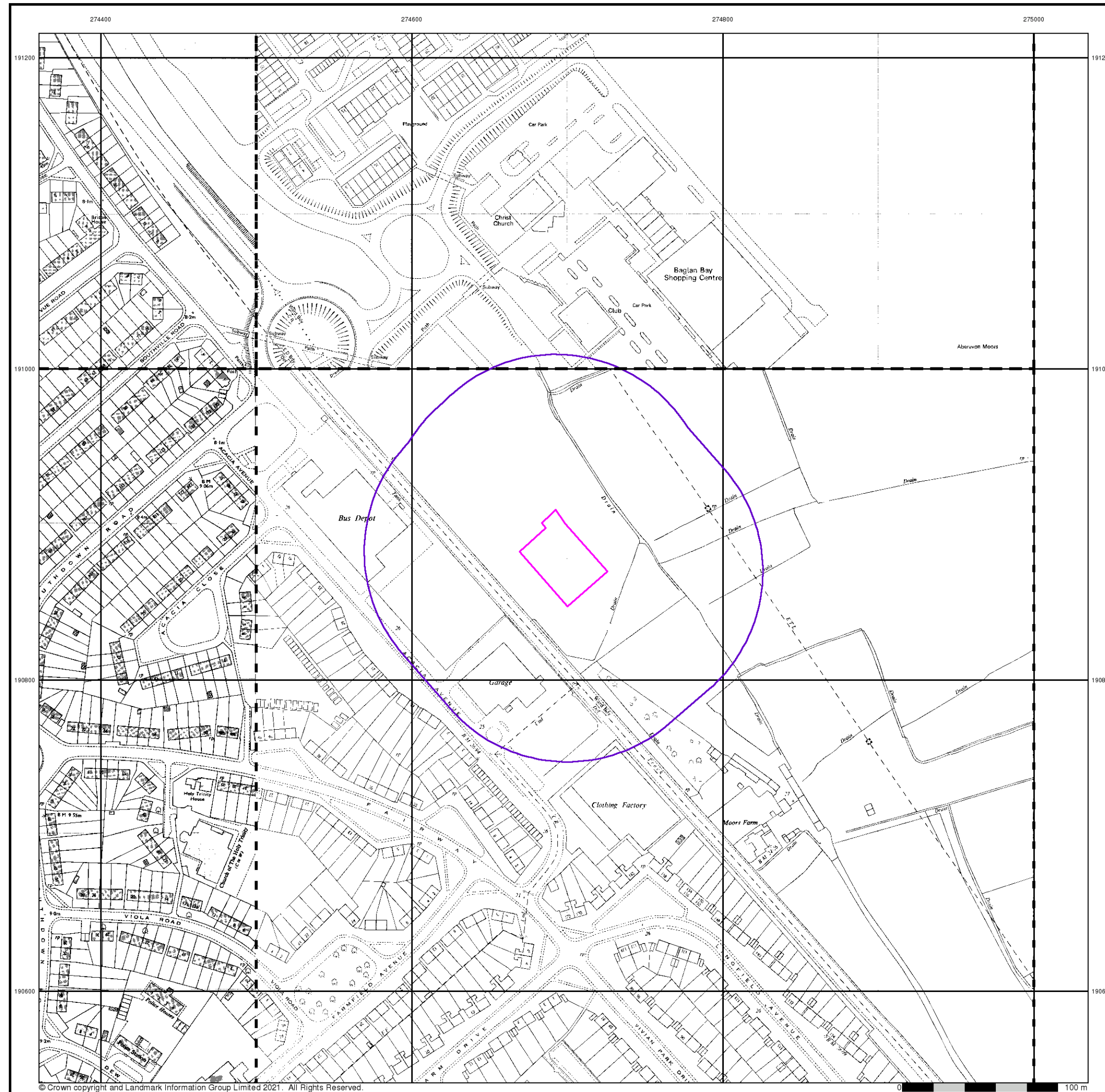
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National Grid Reference: 274700, 190880
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Site Area (Ha): 0.17
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Site Details

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Ordnance Survey Plan

Published 1967 - 1984

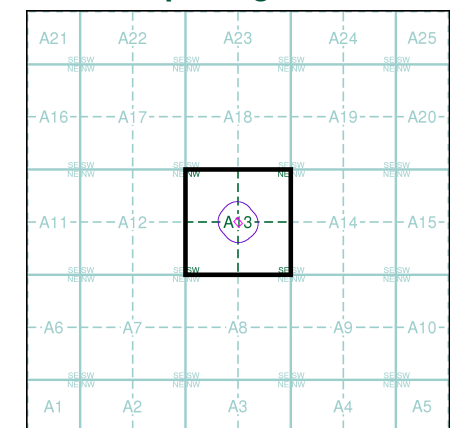
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

SS7491SW 1971 1:1,250	SS7491SE 1984 1:1,250
SS7490NW 1976 1:1,250	SS7490NE 1967 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
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Ordnance Survey Plan

Published 1972 - 1989

Source map scale - 1:1,250

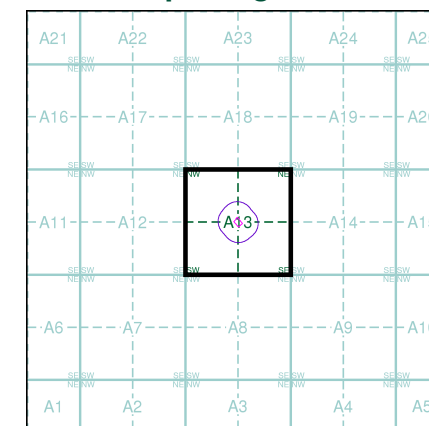
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Map Name(s) and Date(s)

SS7491SW
1989
1:1,250

SS7490NE
1972
1:1,250

Historical Map - Segment A13



Order Details

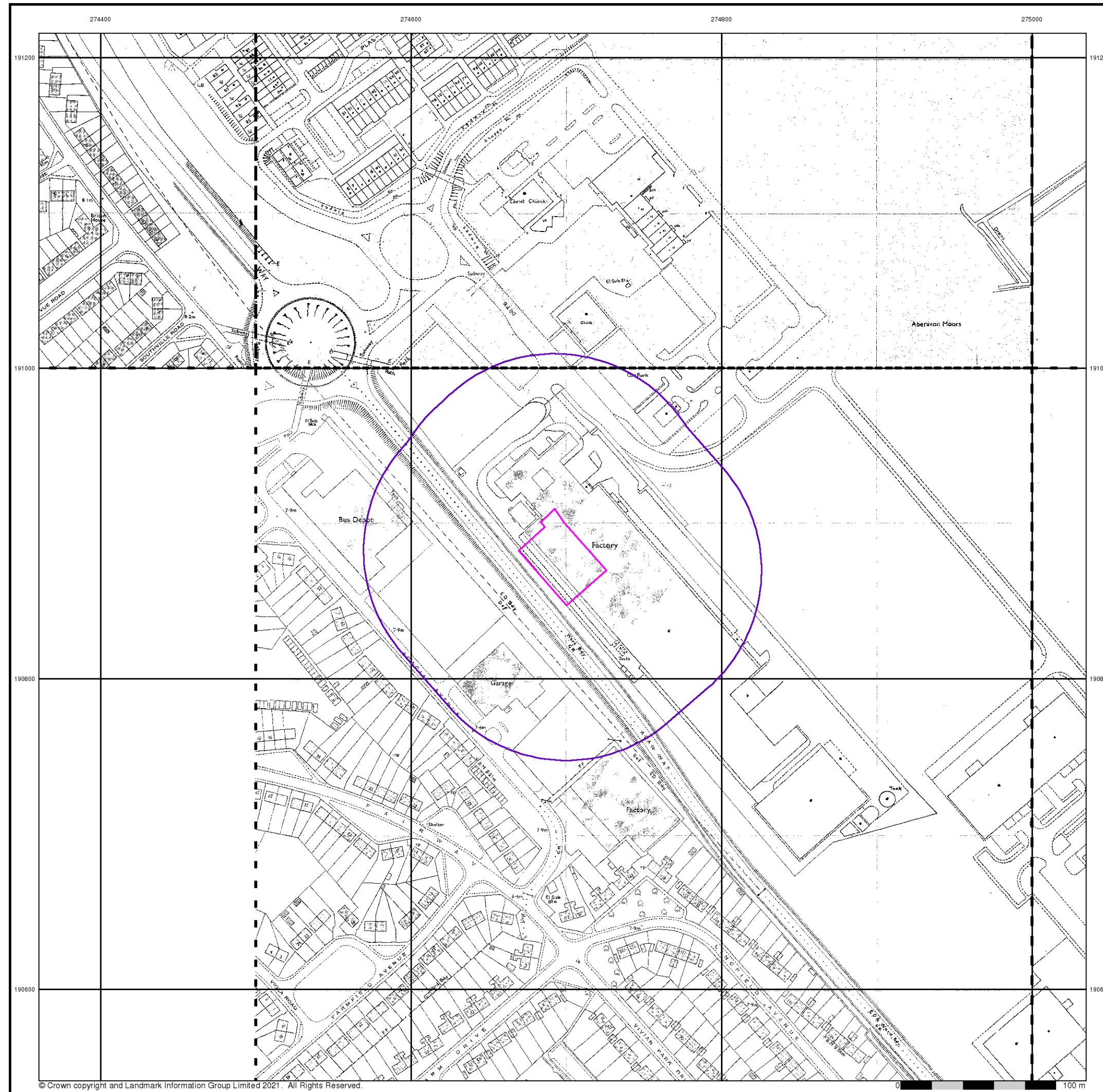
Order Number: 285022966_1_1
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National Grid Reference: 274700, 190880
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Site Area (Ha): 0.17
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Additional SIMs

Published 1978 - 1985

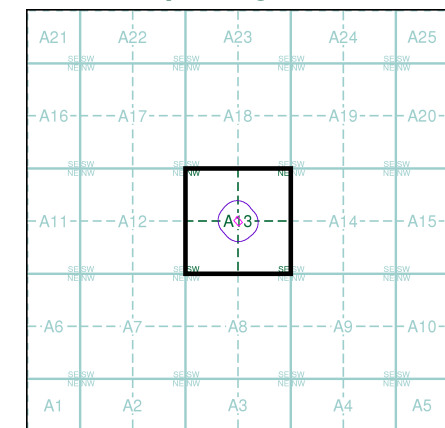
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SS7491SW 1978 1:1,250	SS7491SE 1978 1:1,250	SS7591SW 1985 1:1,250
SS7490NE 1983 1:1,250		
SS7590NW 1983 1:1,250		

Historical Map - Segment A13



Order Details

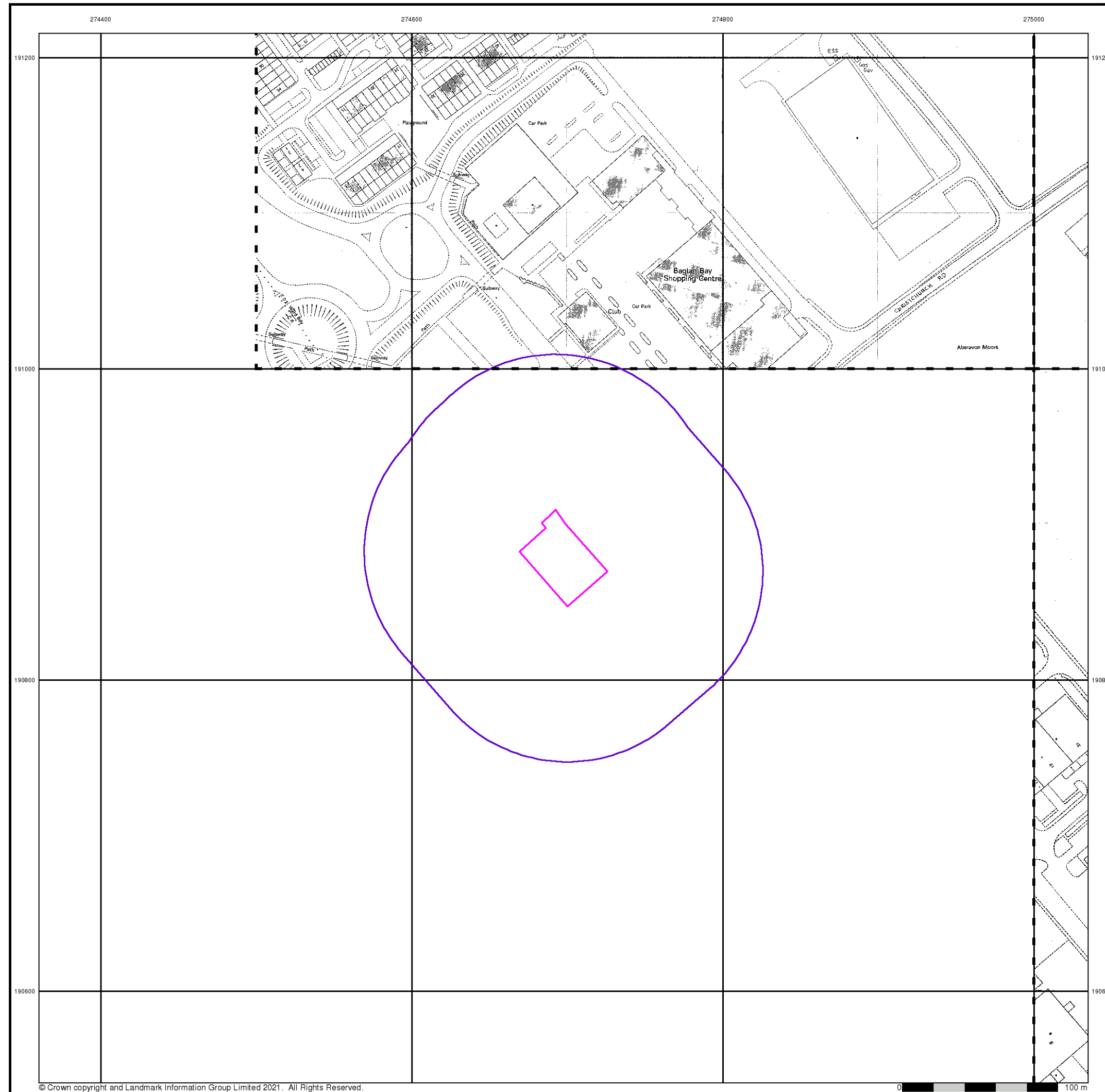
Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
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Additional SIMs

Published 1988 - 1991

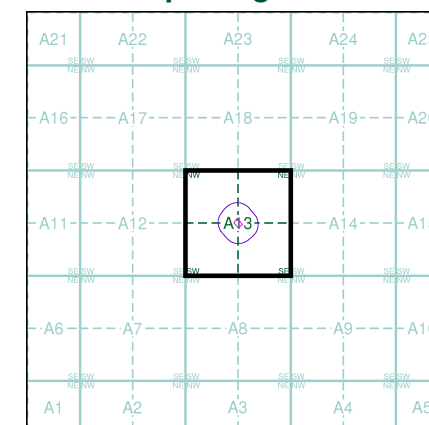
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The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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)

SS7491SE 1991 1:1,250	SS7591SW 1990 1:1,250
	SS7590NW 1988 1:1,250

Historical Map - Segment A13



Order Details

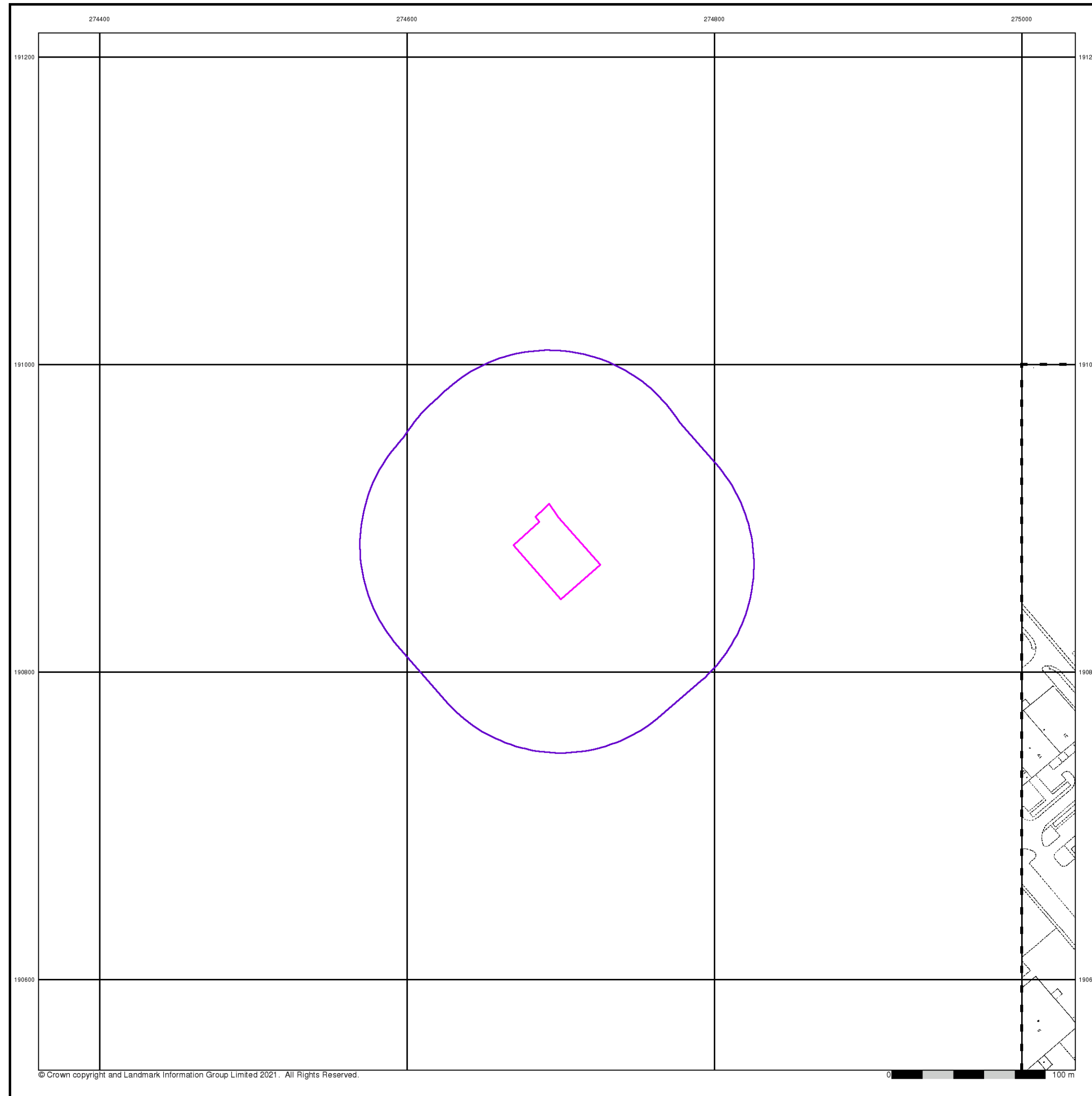
Order Number: 285022966_1_1
Customer Ref: 16843
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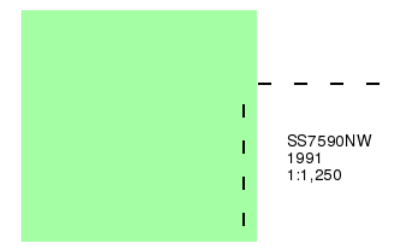
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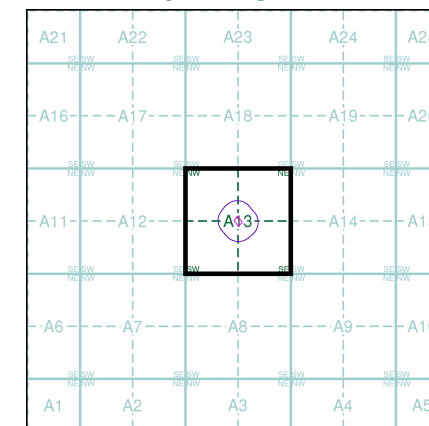
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The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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

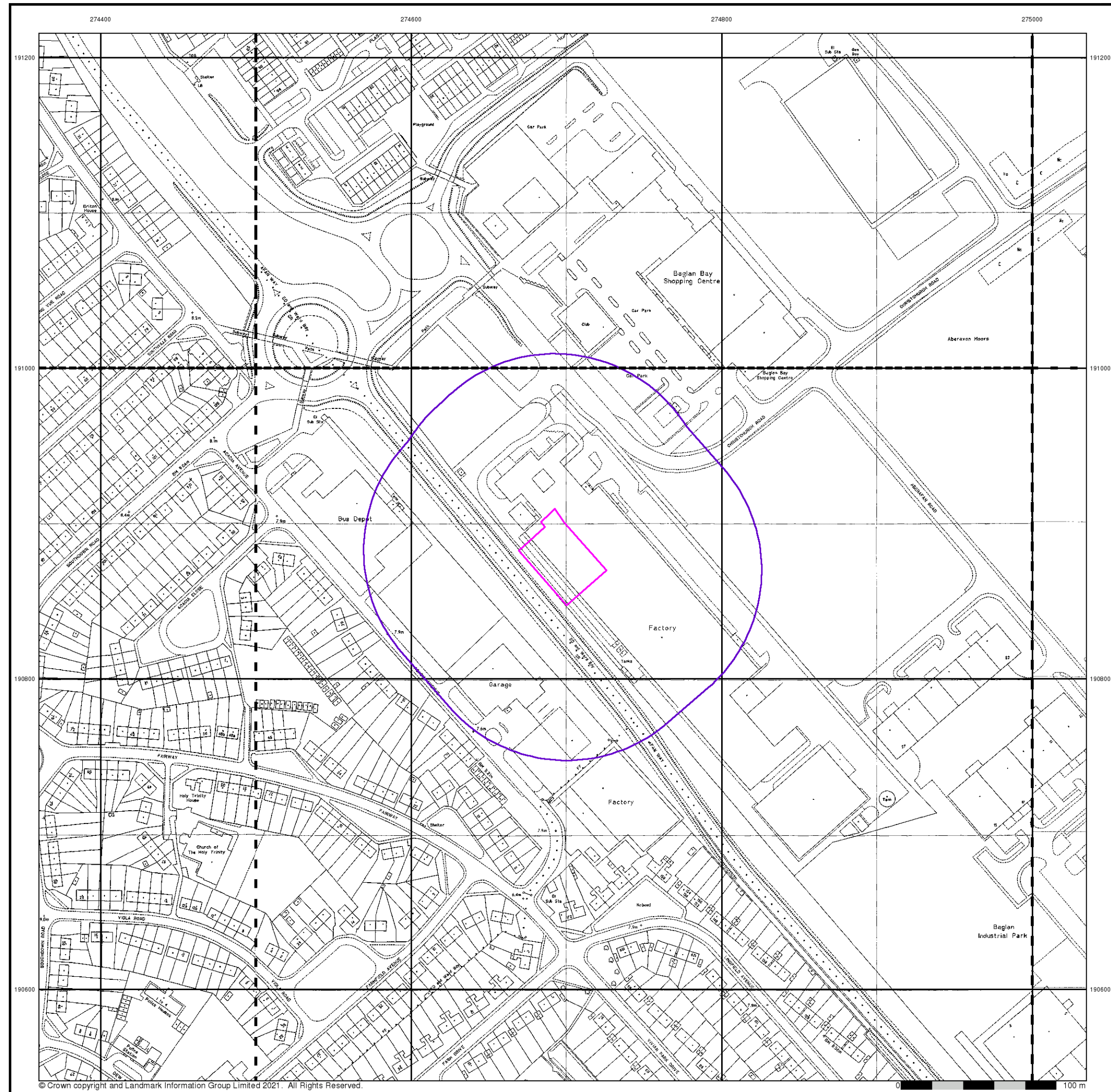
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Large-Scale National Grid Data

Published 1993

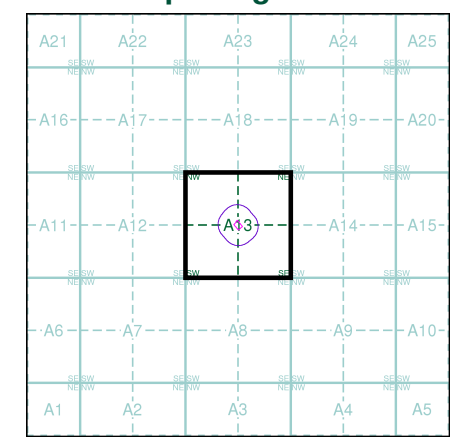
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SS7491SW 1993 1:1,250	SS7491SE 1993 1:1,250	SS7591SW 1993 1:1,250
SS7490NW 1993 1:1,250	SS7490NE 1993 1:1,250	SS7590NW 1993 1:1,250

Historical Map - Segment A13



Order Details

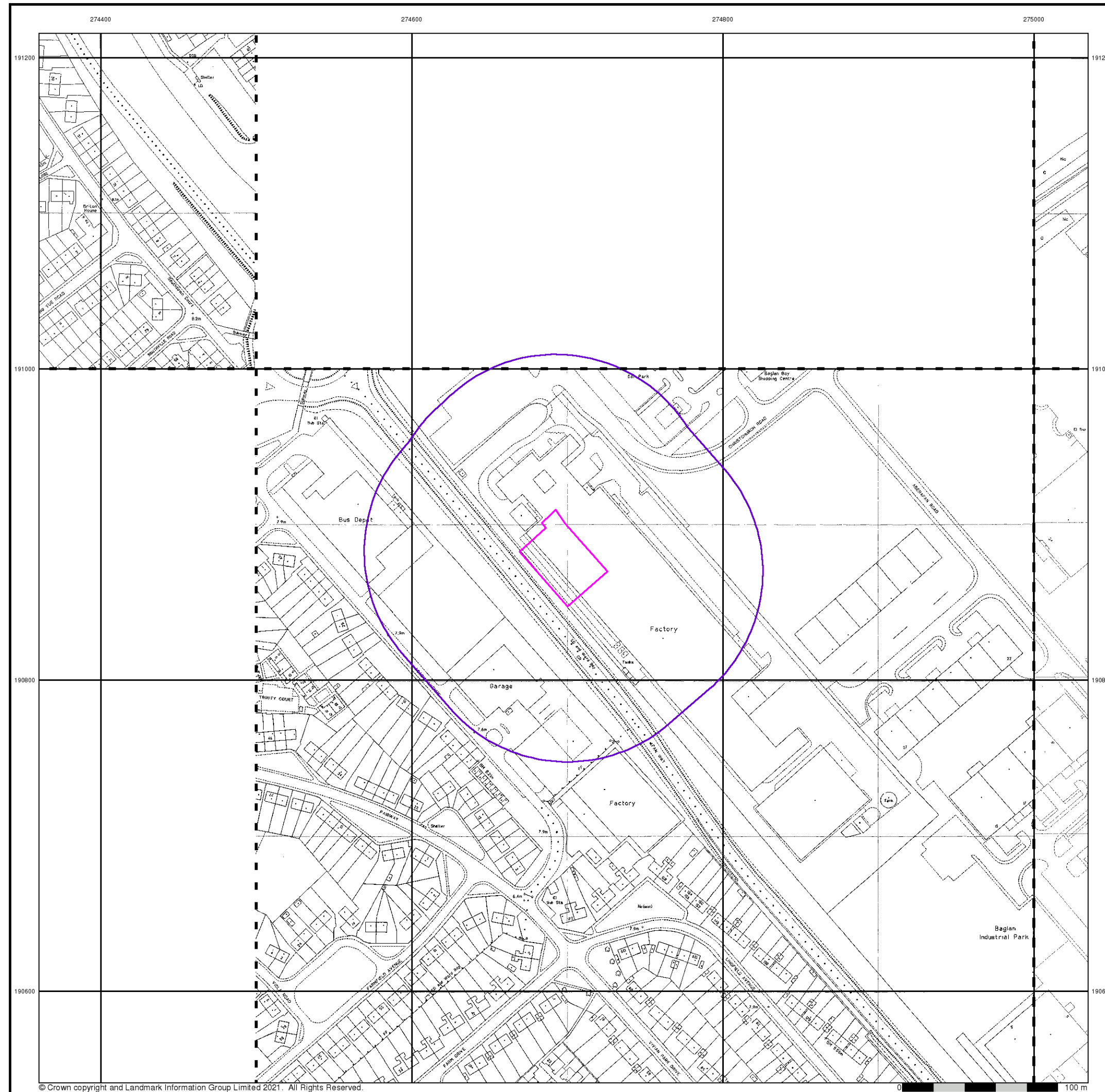
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Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 100

Site Details

Christchurch Road, Baglan Industrial Park, PORT TALBOT, SA12 7BZ



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Large-Scale National Grid Data

Published 1993 - 1995

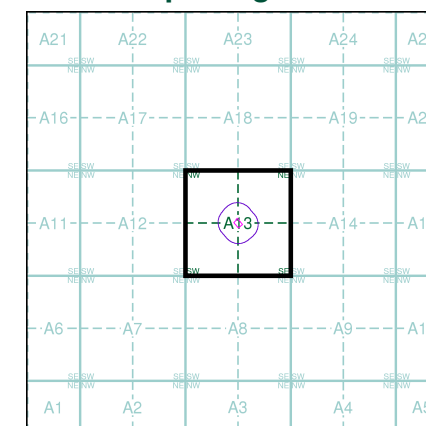
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information 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)

SS7491SW 1995 1:1,250	SS7591SW 1995 1:1,250
SS7490NE 1993 1:1,250	SS7590NW 1995 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
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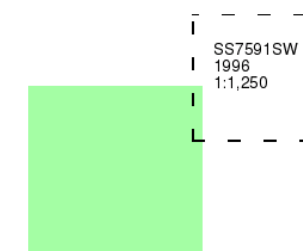
Large-Scale National Grid Data

Published 1996

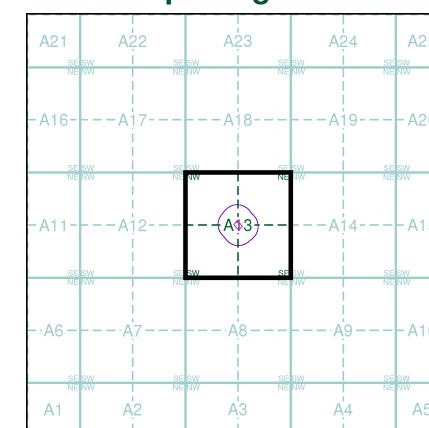
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information 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

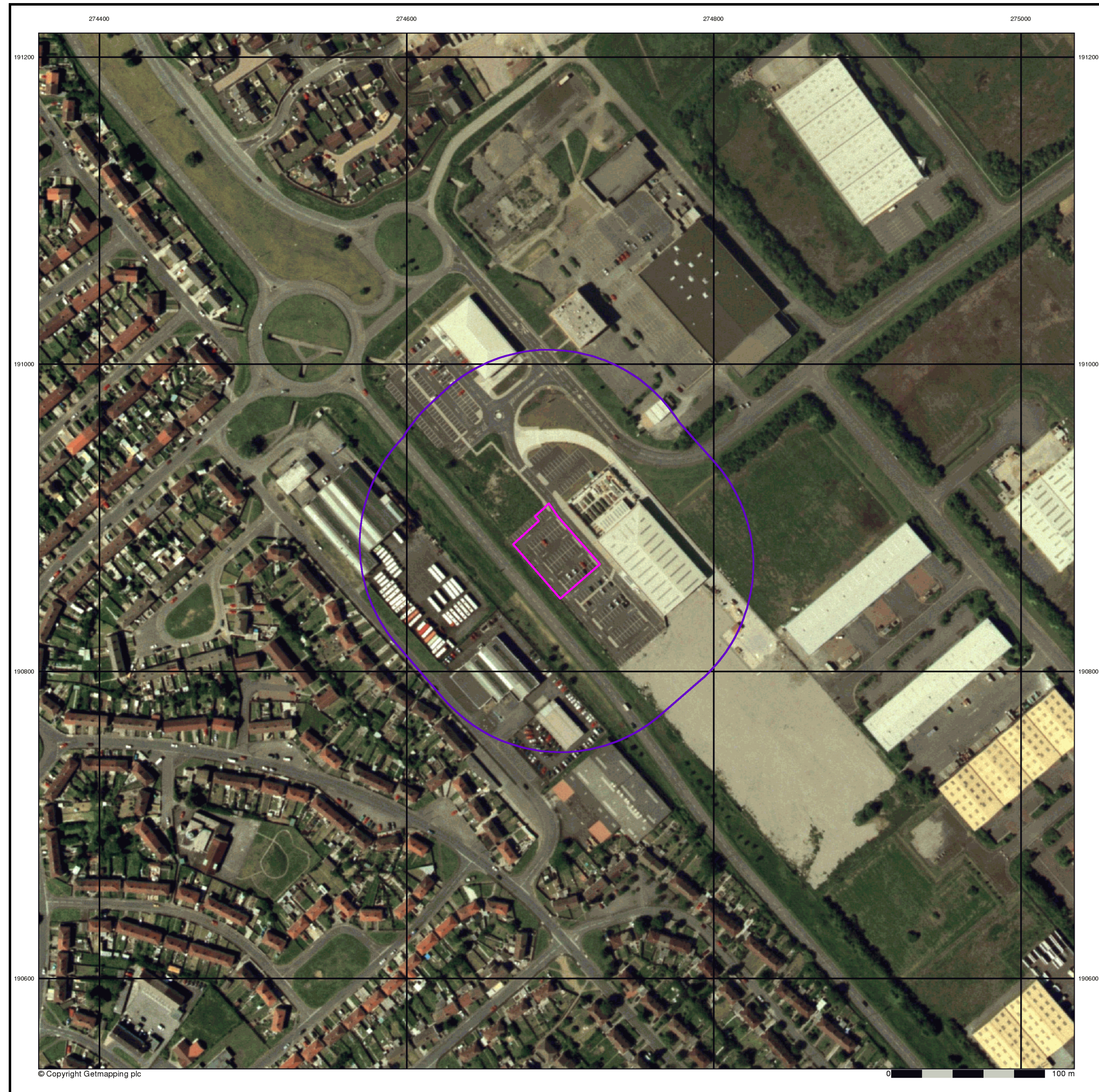
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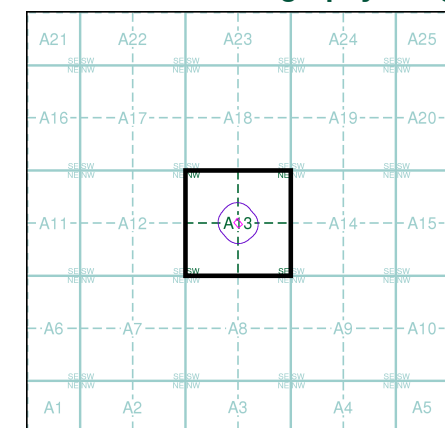
Geotechnical & Geoenvironmental Specialists

Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 285022966_1_1
Customer Ref: 16843
National Grid Reference: 274700, 190880
Slice: A
Site Area (Ha): 0.17
Search Buffer (m): 100

Site Details

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Fax: 0844 844 9951
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ANNEX B
Coal Authority Mining Report



The Coal
Authority

CON29M

coal mining report

CHRISTCHURCH ROAD, BAGLAN INDUSTRIAL PARK, PORT TALBOT, SA12 7BZ,
VALE OF GLAMORGAN



Known or potential coal mining risks

Future underground coal mining

Page 3



Further action

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

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



Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. It is unlikely that these features will impact on the stability of the enquiry boundary.

Your reference: **285022966_2**
Our reference: **51002675344001**
Date: **16 September 2021**

Client name:
NLIS Hub

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

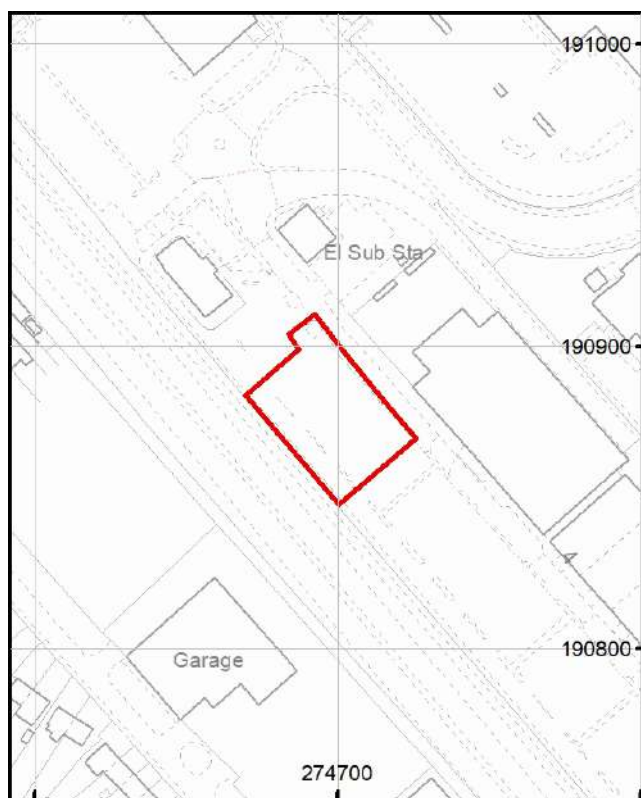


The Law
Society

Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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



Accessibility

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

Detailed findings

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

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1 Past underground coal mining

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

2 Present underground coal mining

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

3 Future underground coal mining

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

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

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

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

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

4 Mine entries

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

5 Coal mining geology

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

6 Past opencast coal mining

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

7 Present opencast coal mining

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

8 Future opencast coal mining

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

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

9 Coal mining subsidence

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

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

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

10 Mine gas

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

11 Hazards related to coal mining

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

12 Withdrawal of support

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

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

13 Working facilities order

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

14 Payments to owners of former copyhold land

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

Statutory cover



Coal mining subsidence

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

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

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

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



Coal mining hazards

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

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

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

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

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

coal seams - bed of coal of varying thickness

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

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

mine entries - collective name for shafts and adits

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

shaft - vertical entry into a mine

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

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

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

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

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

ANNEX C
Risk Assessment Definitions

The contaminated land regime is set out in Part 2A of the Environmental Protection Act (EPA) 1990 and was introduced on the 1st April 2000 in England and 1st July 2001 in Wales. A similar regime was introduced in Scotland on 14th July 2000.

Part 2A was introduced to achieve three overarching objectives:

- (a) To identify and remove unacceptable risks to human health and the environment.
- (b) To seek to ensure that contaminated land is made suitable for its current use.
- (c) To ensure that the burdens faced by individuals, companies and society as a whole are proportionate, manageable and compatible with the principles of sustainable development.

Under Part 2A the statutory definition of 'contaminated land' is:

"any land which appears to the local authority in whose area it is situated, to be in such a condition, by reason of substances in, on, or under the land, that:

- (a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
- (b) Pollution of controlled waters is being, or is likely to be, caused."

Under Part 2A, for land to be classified as 'Contaminated Land' there must be one or more contaminant, pathway, receptor linkages, known as the '**Pollutant Linkage**'. A pollutant linkage requires three essential elements:

- (a) A **CONTAMINANT** (SOURCE) – a substance that is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters.
- (b) A **RECEPTOR** – something which could be adversely affected by a contaminant.
- (c) A **PATHWAY** – a route by which a receptor is or might be exposed to or affected by a contaminant.

The term 'Risk' is widely used in different contexts and situations, but a prescriptive definition is given by the Guidelines for Environmental Risk Assessment and Management (DEFRA *et al*, 2000):

'Risk is a combination of the probability, or frequency, of occurrence of a defined hazard and the magnitude of the consequences of the occurrence'.

Model Procedures for the Management of Land Contamination – Contamination Land Report 11 (2004) defines a 'Hazard' as

'a property or situation that in particular circumstances could lead to harm'.

A framework for qualitative risk assessment is provided in CIRIA publication C552 Contaminated Land Risk Assessment – A Guide to Good Practice (2001). The method requires an assessment of the magnitude of the probability of the risk occurring and the magnitude of the potential consequence. Classifications of consequences and probability, levels and descriptions of risk have been devised from the above publication and are defined in the following sections.

Classification of Consequence

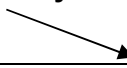
Table A Classification of Consequence	
Classification	Definition
Severe	• Short term (acute) risk to human health likely to result in significant harm • Short term risk to controlled waters • Catastrophic damage to buildings/structures • Short term risk to an ecosystem or organism within the particular ecosystem
Medium	• Chronic damage to human health (long term risk) • Pollution of a sensitive water resource • A significant change in an ecosystem or organism within the ecosystem
Mild	• Pollution of non-sensitive water resources • Significant damage to buildings/structures • Damage to sensitive buildings/structure/services or the environment
Negligible	• Harm (not necessarily significant) which may result in financial loss • Non-permanent health effects to humans (easily prevented by PPE for example) • Easily repairable effects of structural (building) damage

Classification of Probability

Table B Classification of Probability	
Classification	Definition
High Likelihood	• There is a complete pollution linkage and an event appears very likely to occur in the short term and is inevitable in the long term. • Evidence of harm to the receptor
Likely	• There is a complete pollution linkage which means that it is probable that an event will occur • The event is not inevitable but possible in short term and likely in the long term
Low Likelihood	• There is a complete pollution linkage and circumstances are possible under which an event could occur • It is not certain that an event will occur in the long term, and it is less likely to occur in the short term
Unlikely	• There is a complete pollution linkage but circumstances are such that it is improbable that an event would occur even in the long term

Risk Assessment Matrix

By comparing the consequences of a risk and the probability of the risk of a pollution linkage, the likely risk category can be determined as shown in **Table C** below.

Table C Risk Assessment Matrix					
Increasing acceptability 		Consequence			
		Severe	Medium	Mild	Negligible
Probability	High Likelihood	High risk	High risk	Medium risk	Low risk
	Likely	High risk	Medium risk	Low risk	Near zero risk
	Low Likelihood	Medium risk	Low risk	Low risk	Near zero risk
	Unlikely	Low risk	Near zero risk	Near zero risk	Near zero risk

Description of Risks and Likely Actions

High Risk

There is a high probability that severe harm could arise to a receptor, or there is evidence that a receptor is currently being severely harmed. The risk if realised is likely to result in liability, and urgent investigation or remediation will be required.

Medium Risk

It is probable that harm will arise to a receptor. However, it is relatively unlikely that such harm would be severe, or if harm does occur the harm is likely to be relatively mild. Investigation will be required to determine the liability, and some remedial works may be required in the long term.

Low Risk

It is possible that harm may arise to a receptor, but it is likely that the harm would be mild.

Near Zero Risk

There is a very low risk of harm to the receptor. In the event of harm being realised the harm is not likely to be severe.

ANNEX D
Exploratory Hole Logs

Trial Pit Log

Trial Pit No:
TP01
 Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
 16843

Co-ords: -
 Level:

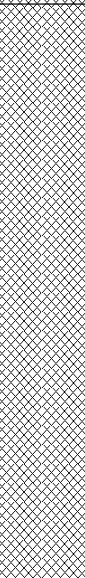
Date:
 06/10/2021

Location: Baglan, Port Talbot

Dimensions: 2.00
 Depth 2.70
 0.70

Scale:
 1:25
 Logged:
 MW

Client:

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.10			ASPHALT
				0.30			MADE GROUND. [Dense] brown very sandy GRAVEL of angular sandstone.
							MADE GROUND. [Dense] brown and grey very sandy GRAVEL of angular slag, concrete and brick.
				2.20			MADE GROUND. Medium dense black and brown fine to medium SAND.
				2.40			[Medium dense] light yellowish brown fine to medium SAND.
				2.70			End of Pit at 2.700m

Stability: Unstable

Remarks: 1] Consistency, strength and density indicators are based upon field judgement. 2] Density indicator is in brackets and is for guidance only, and is not in accordance with BS 5930:2015. 3] Trial pit terminated to perform infiltration test. 4] Trial pit backfilled with arisings on completion of test. and reinstated with asphalt.

Borehole Log

Borehole No.

WS01

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 07/10/2021 -

Logged By
MW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT	
				0.35				MADE GROUND. Brown very sandy GRAVEL of angular sandstone.	
	1.00	SPT	N=38 (5,5/6,7,15,10)					MADE GROUND. Dense grey and brown slightly clayey very sandy GRAVEL of angular concrete, sandstone, bitumen and slag.	1
	2.00	SPT	N=23 (7,4/4,5,6,8)	2.20				<i>Becoming medium dense from 2.0m.</i>	2
				2.60				MADE GROUND. Medium dense black fine to medium SAND.	
	3.00	SPT	N=18 (3,4/3,4,4,7)	3.00				Medium dense light yellowish brown fine to medium SAND.	3
								End of Borehole at 3.000m	
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole collapsed from 3.0m up to 2.0m. 2] On completion a 50mm standpipe (50mm) was installed to 2.0m depth. Slotted pipe with granular response zone from 1.0m-2.0m, solid standpipe with bentonite seal GL-1.0m, and a flush cover.

Borehole Log

Borehole No.

WS02

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No: 16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 07/10/2021 -

Logged By
MW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT	
				0.40				MADE GROUND. Brown very sandy GRAVEL of angular sandstone.	
	1.00	SPT	N=39 (10,13/11,8,9,11)					MADE GROUND. Dense grey and brown slightly clayey very sandy GRAVEL of angular concrete, sandstone, bitumen and slag.	1
	2.00	SPT	N=13 (4,5/3,3,3,4)						2
				2.30				MADE GROUND. Medium dense black fine to medium SAND.	
				2.50				Medium dense light yellowish brown fine to medium SAND.	
	3.00	SPT	N=21 (3,4/4,5,6,6)	3.00				End of Borehole at 3.000m	3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole collapsed from 3.0m up to 2.0m. 2] On completion a 50mm standpipe (50mm) was installed to 2.0m depth. Slotted pipe with granular response zone from 1.0m-2.0m, solid standpipe with bentonite seal GL-1.0m, and a flush cover.

Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 07/10/2021 -

Logged By
MW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT	
				0.25				MADE GROUND. [Dense] brown very sandy GRAVEL of angular sandstone.	
				0.40				MADE GROUND. Very dense grey and brown slightly clayey very sandy GRAVEL of angular concrete, sandstone, bitumen and slag.	
								End of Borehole at 0.400m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS04

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 07/10/2021 -

Logged By
MW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT	
				0.30				MADE GROUND. [Dense] brown very sandy GRAVEL of angular sandstone.	
				0.35				MADE GROUND. Very dense grey and brown slightly clayey very sandy GRAVEL of angular concrete, sandstone, bitumen and slag.	
								End of Borehole at 0.350m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS05

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No: 16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 07/10/2021 -

Logged By
MW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT	
				0.30				MADE GROUND. [Dense] brown very sandy GRAVEL of angular sandstone.	
	1.00	SPT	N=15 (5,6/4,3,4,4)					MADE GROUND. Medium dense grey and brown slightly clayey very sandy GRAVEL of angular concrete, sandstone, bitumen and slag.	1
	1.40	SPT	50 (25 for 105mm/50 for 265mm)	1.40				End of Borehole at 1.400m	2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion a 50mm standpipe (50mm) was installed to 1.4m depth. Slotted pipe with granular response zone from 0.5m-1.4m, solid standpipe with bentonite seal GL-0.5m, and a flush cover.

Borehole Log

Borehole No.

WS06

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

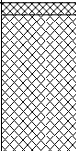
Level:

Scale
1:50

Client:

Dates: 27/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.08				ASPHALT MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
				1.00				End of Borehole at 1.000m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS07

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 27/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.08				ASPHALT	
				0.35				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				1.00				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 1.000m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS08

Sheet 1 of 1

Project Name:	Proposed Greggs Drive Through	Project No:	16843	Co-ords:		Hole Type	WLS
Location:	Baglan, Port Talbot	Level:		Scale	1:50	Logged By	
Client:		Dates:	27/04/2022 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.45				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.450m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS09

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 27/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.55				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.60				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	1
								End of Borehole at 0.600m	
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS10

Sheet 1 of 1

Project Name:	Proposed Greggs Drive Through
---------------	-------------------------------

Project No:	16843
-------------	-------

Co-ords:

Hole Type	WLS
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
10	0.0000
11	0.0000
12	0.0000
13	0.0000
14	0.0000
15	0.0000
16	0.0000
17	0.0000
18	0.0000
19	0.0000
20	0.0000
21	0.0000
22	0.0000
23	0.0000
24	0.0000
25	0.0000
26	0.0000
27	0.0000
28	0.0000
29	0.0000
30	0.0000
31	0.0000
32	0.0000
33	0.0000
34	0.0000
35	0.0000
36	0.0000
37	0.0000
38	0.0000
39	0.0000
40	0.0000
41	0.0000
42	0.0000
43	0.0000
44	0.0000
45	0.0000
46	0.0000
47	0.0000
48	0.0000
49	0.0000
50	0.0000
51	0.0000
52	0.0000
53	0.0000
54	0.0000
55	0.0000
56	0.0000
57	0.0000
58	0.0000
59	0.0000
60	0.0000
61	0.0000
62	0.0000
63	0.0000
64	0.0000
65	0.0000
66	0.0000
67	0.0000
68	0.0000
69	0.0000
70	0.0000
71	0.0000
72	0.0000
73	0.0000
74	0.0000
75	0.0000
76	0.0000
77	0.0000
78	0.0000
79	0.0000
80	0.0000
81	0.0000
82	0.0000
83	0.0000
84	0.0000
85	0.0000
86	0.0000
87	0.0000
88	0.0000
89	0.0000
90	0.0000
91	0.0000
92	0.0000
93	0.0000
94	0.0000
95	0.0000
96	0.0000
97	0.0000
98	0.0000
99	0.0000
100	0.0000

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 27/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description			
	Depth (m)	Type	Results								
				0.10				ASPHALT.			
				0.50				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.			
							1.00		MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	1	
										End of Borehole at 1.000m	
											3
											4
											5
											6
											7
											8
					9						
					10						

Remarks: 1) On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS11

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 27/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
								MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
				1.00				End of Borehole at 1.000m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS12

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 27/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
								MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
				1.00				End of Borehole at 1.000m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS13

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 27/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.80				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.800m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS14

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 27/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.40				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				1.00				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 1.000m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks:] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS15

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.40				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				1.00				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 1.000m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS16

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
								MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	1
				1.50				End of Borehole at 1.500m	2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS17

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.40				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.60				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.600m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS18

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.60				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.600m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS19

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.70				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.700m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS20

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No: 16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.40				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.400m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS21

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.40				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.400m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS22

Sheet 1 of 1

Project Name:	Proposed Greggs Drive Through	Project No:	16843	Co-ords:		Hole Type	WLS
Location:	Baglan, Port Talbot	Level:		Scale	1:50	Logged By	
Client:		Dates:	28/04/2022 -				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.60				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.600m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS23

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No: 16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
				0.70				MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
								End of Borehole at 0.700m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] Borehole terminated on hard strata/obstruction. 2] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS24

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
								MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	1
				1.50				End of Borehole at 1.500m	2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

Borehole Log

Borehole No.

WS25

Sheet 1 of 1

Project Name: Proposed Greggs Drive Through

Project No:
16843

Co-ords:

Hole Type
WLS

Location: Baglan, Port Talbot

Level:

Scale
1:50

Client:

Dates: 28/04/2022 -

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				ASPHALT.	
				0.30				MADE GROUND. Grey mottled brownish orange sandy GRAVEL of angular limestone.	
								MADE GROUND. Grey and brown very gravelly SAND with low cobble content. Gravel and cobbles are angular slag, concrete and clinker.	
				1.00				End of Borehole at 1.000m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1] On completion borehole backfilled with arisings. and capped with cold lay macadam.

ANNEX E
Laboratory Soil Chemical Test Results



Amended Report

Report No.:	21-35158-2		
Initial Date of Issue:	15-Oct-2021	Date of Re-Issue:	01-Nov-2021
Client	Terra Firma (Wales) Ltd		
Client Address:	5 Deryn Court Wharfedale Road Pentwyn Cardiff CF23 7HA		
Contact(s):	michael@terrafirmawales.co.uk		
Project	Baglan		
Quotation No.:	Q20-21666	Date Received:	11-Oct-2021
Order No.:	16843-MW	Date Instructed:	11-Oct-2021
No. of Samples:	4		
Turnaround (Wkdays):	16	Results Due:	01-Nov-2021
Date Approved:	01-Nov-2021		
Approved By:			
Details:	Glynn Harvey, Technical Manager		

Results - Soil

Project: Baglan

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:				21-35158	21-35158	21-35158	21-35158
Quotation No.: Q20-21666	Chemtest Sample ID.:				1295397	1295398	1295399	1295400
	Client Sample ID.:				TP01	WS01	WS03	WS05
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.2	0.5	0.3	0.6
	Date Sampled:				07-Oct-2021	07-Oct-2021	07-Oct-2021	07-Oct-2021
	Time Sampled:				12:00	12:00	12:00	12:00
	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	-	Fibres/Clumps	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001		0.002		
Total Asbestos	U	2192	%	0.001		0.002		
Moisture	N	2030	%	0.020	4.9	7.1	7.1	5.5
Soil Colour	N	2040		N/A	Brown	Grey	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand
pH	M	2010		4.0	8.2	8.3	7.8	7.6
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	1.1	6.0	1.9	1.8
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010		1.3		1.2
Total Sulphur	M	2175	%	0.010		0.55		0.19
Cyanide (Complex)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphate (Acid Soluble)	M	2430	%	0.010	0.17	0.39	0.14	0.60
Arsenic	M	2450	mg/kg	1.0	21	10	15	6.0
Beryllium	U	2450	mg/kg	1.0	< 1.0	3.4	< 1.0	3.2
Cadmium	M	2450	mg/kg	0.10	0.36	0.12	0.20	< 0.10
Chromium	M	2450	mg/kg	1.0	42	40	23	63
Mercury Low Level	M	2450	mg/kg	0.05	0.06	< 0.05	< 0.05	< 0.05
Manganese	M	2450	mg/kg	5.0	840	2100	780	2000
Molybdenum	M	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Antimony	N	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Copper	M	2450	mg/kg	0.50	20	35	15	15
Nickel	M	2450	mg/kg	0.50	9.0	10	7.3	17
Lead	M	2450	mg/kg	0.50	120	50	67	7.9
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	0.47
Zinc	M	2450	mg/kg	0.50	160	93	88	19
Chromium (Trivalent)	N	2490	mg/kg	1.0	42	40	23	63
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: Baglan

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:				21-35158	21-35158	21-35158	21-35158
Quotation No.: Q20-21666	Chemtest Sample ID.:				1295397	1295398	1295399	1295400
	Client Sample ID.:				TP01	WS01	WS03	WS05
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.2	0.5	0.3	0.6
	Date Sampled:				07-Oct-2021	07-Oct-2021	07-Oct-2021	07-Oct-2021
	Time Sampled:				12:00	12:00	12:00	12:00
	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD				
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.29
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.20
Fluoranthene	M	2700	mg/kg	0.10	0.21	0.44	0.37	2.4
Pyrene	M	2700	mg/kg	0.10	0.35	0.35	0.37	3.3
Benzo[a]anthracene	M	2700	mg/kg	0.10	2.3	0.36	0.28	4.9
Chrysene	M	2700	mg/kg	0.10	0.75	0.57	0.53	7.0
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.56	12
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.2	4.5
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.29	8.9
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.22	6.8
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.69	2.2
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.6	6.6
Total Of 16 PAH's	M	2700	mg/kg	2.0	3.6	< 2.0	6.1	59
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Organic Matter BS1377	N	2930	%	0.10	0.80	0.30	0.60	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
2930	Organic Matter	Organic Matter	Acid Dichromate digestion/Titration

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Final Report

Report No.:	22-16427-1		
Initial Date of Issue:	10-May-2022		
Client	Terra Firma (Wales) Ltd		
Client Address:	5 Deryn Court Wharfedale Road Pentwyn Cardiff CF23 7HA		
Contact(s):	michael@terrafirmawales.co.uk		
Project	Baglan		
Quotation No.:	Q20-21666	Date Received:	04-May-2022
Order No.:	16843-MW	Date Instructed:	04-May-2022
No. of Samples:	30		
Turnaround (Wkdays):	5	Results Due:	10-May-2022
Date Approved:	10-May-2022		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: Baglan

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:					22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427
Quotation No.: Q20-21666	Chemtest Sample ID.:					1421983	1421984	1421985	1421986	1421987	1421988	1421989	1421990	1421991
	Client Sample ID.:					WS06	WS07	WS07	WS08	WS09	WS10	WS10	WS11	WS11
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.3	1.0	0.4	0.5	0.3	0.8	0.4	1.0
	Date Sampled:					28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022
	Time Sampled:					12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	Asbestos Lab:					NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD										
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Results - Soil

Project: Baglan

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:					22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427
Quotation No.: Q20-21666	Chemtest Sample ID.:					1421992	1421993	1421994	1421995	1421996	1421997	1421998	1421999	1422000
	Client Sample ID.:					WS12	WS12	WS13	WS14	WS15	WS15	WS16	WS16	WS17
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.6	0.8	0.5	0.9	0.7	1.3	0.6
	Date Sampled:					28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022
	Time Sampled:					12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	Asbestos Lab:					NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD										
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Results - Soil

Project: Baglan

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:				22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427	22-16427
Quotation No.: Q20-21666	Chemtest Sample ID.:				1422001	1422002	1422003	1422004	1422005	1422006	1422007	1422008	1422009
	Client Sample ID.:				WS18	WS19	WS19	WS20	WS21	WS22	WS23	WS24	WS24
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.2	0.6	0.25	0.35	0.5	0.6	0.5	0.8
	Date Sampled:				28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022	28-Apr-2022
	Time Sampled:				12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Results - Soil

Project: Baglan

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:				22-16427	22-16427	22-16427
Quotation No.: Q20-21666	Chemtest Sample ID.:				1422010	1422011	1422012
	Client Sample ID.:				WS24	WS25	WS25
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.4	0.5	0.9
	Date Sampled:				28-Apr-2022	28-Apr-2022	28-Apr-2022
	Time Sampled:				12:00	12:00	12:00
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Test Methods

SOP	Title	Parameters included	Method summary
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com

ANNEX F
Soakaway Test Results

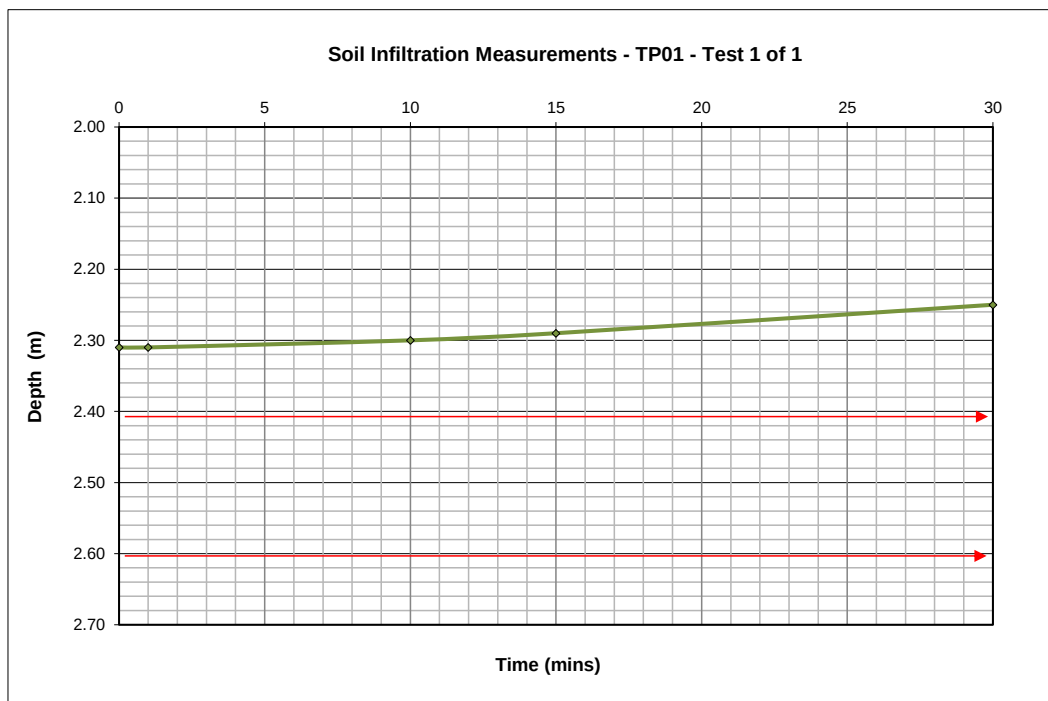
SOAKAWAY CALCULATION SHEET

Job Name: Baglan
Job Number: 16843
Date of Test: 06.10.2021
Test No.: TP01 - Test 1 of 1

	Depth to Water (m)	Time (Mins)
(effective depth - 100%)	2.31	0
	2.31	1
	2.30	10
	2.29	15
(effective depth - 0%)	2.25	30

Length of Trial Pit (m)	2.00
Width of Trial Pit (m)	0.70
Depth of Trial Pit (m)	2.70
Effective Storage Depth (m)	0.39
Vp25	2.4075
Vp75	2.6025
Vp75-25	0.273
Outflow (%)	-15
50% effective depth (m)	0.195
Mean Surface area ap50 (m2)	2.453

Time for 25% **Outflow** (tp25) **Did not achieve**
 Time for 75% **Outflow** (tp75) **Did not achieve**
 tp75 - 25
Soil Infiltration Rate (m/s) **#DIV/0!**



Soil Infiltration Worksheet: This worksheet has been produced in combination with the document 'BRE Digest 365'.
 Worksheet options are identified by a green background.

ANNEX G
Slag Expansion Test Results

L =very large, l = large, m = medium, s = small, v s= very small amounts.

ANNEX H
Ground Gas Monitoring Results

In-situ Gas Monitoring Results – Baglan Retail Park

Gas monitoring round 1 26/10/2021 Pressure: 1016mb			
Weather: Overcast and mild.			
Gas	WS01	WS02	WS05
CH ₄ (%)	0.0	0.0	0.0
CO ₂ (%)	0.0	0.0	0.0
O ₂ (%)	19.4	19.2	19.5
CO (ppm)	0ppm	0ppm	0ppm
H ₂ S (ppm)	0ppm	0ppm	0ppm
Flow (l/hr)	0.0	0.0	0.0
Depth to Groundwater	Dry	Dry	Dry

In-situ Gas Monitoring Results – Baglan Retail Park

Gas monitoring round 6 10/11/2022 Pressure: 1023mb			
Weather: Mild and fine.			
Gas	WS01	WS02	WS05
CH ₄ (%)	0.0	0.0	0.0
CO ₂ (%)	0.0	0.0	0.0
O ₂ (%)	20.0	19.9	20.5
CO (ppm)	0ppm	0ppm	0ppm
H ₂ S (ppm)	0ppm	0ppm	0ppm
Flow (l/hr)	0.0	0.0	0.0
Depth to Groundwater	Dry	Dry	Dry

In-situ Gas Monitoring Results – Baglan Retail Park

Gas monitoring round 3 23/11/2021 Pressure: 1034mb			
Weather: Overcast and mild.			
Gas	WS01	WS02	WS05
CH ₄ (%)	0.0	0.0	0.0
CO ₂ (%)	0.0	0.0	0.0
O ₂ (%)	20.6	20.2	20.2
CO (ppm)	0ppm	0ppm	0ppm
H ₂ S (ppm)	0ppm	0ppm	0ppm
Flow (l/hr)	0.0	0.0	0.0
Depth to Groundwater	Dry	Dry	Dry

In-situ Gas Monitoring Results – Baglan Retail Park

Gas monitoring round 4 01/12/2021 Pressure: 1003mb			
Weather: Overcast and mild.			
Gas	WS01	WS02	WS05
CH ₄ (%)	0.0	0.0	0.0
CO ₂ (%)	0.0	0.0	0.0
O ₂ (%)	20.8	21.0	21.1
CO (ppm)	0ppm	0ppm	0ppm
H ₂ S (ppm)	0ppm	0ppm	0ppm
Flow (l/hr)	0.0	0.0	0.0
Depth to Groundwater	Dry	Dry	Dry

In-situ Gas Monitoring Results – Baglan Retail Park

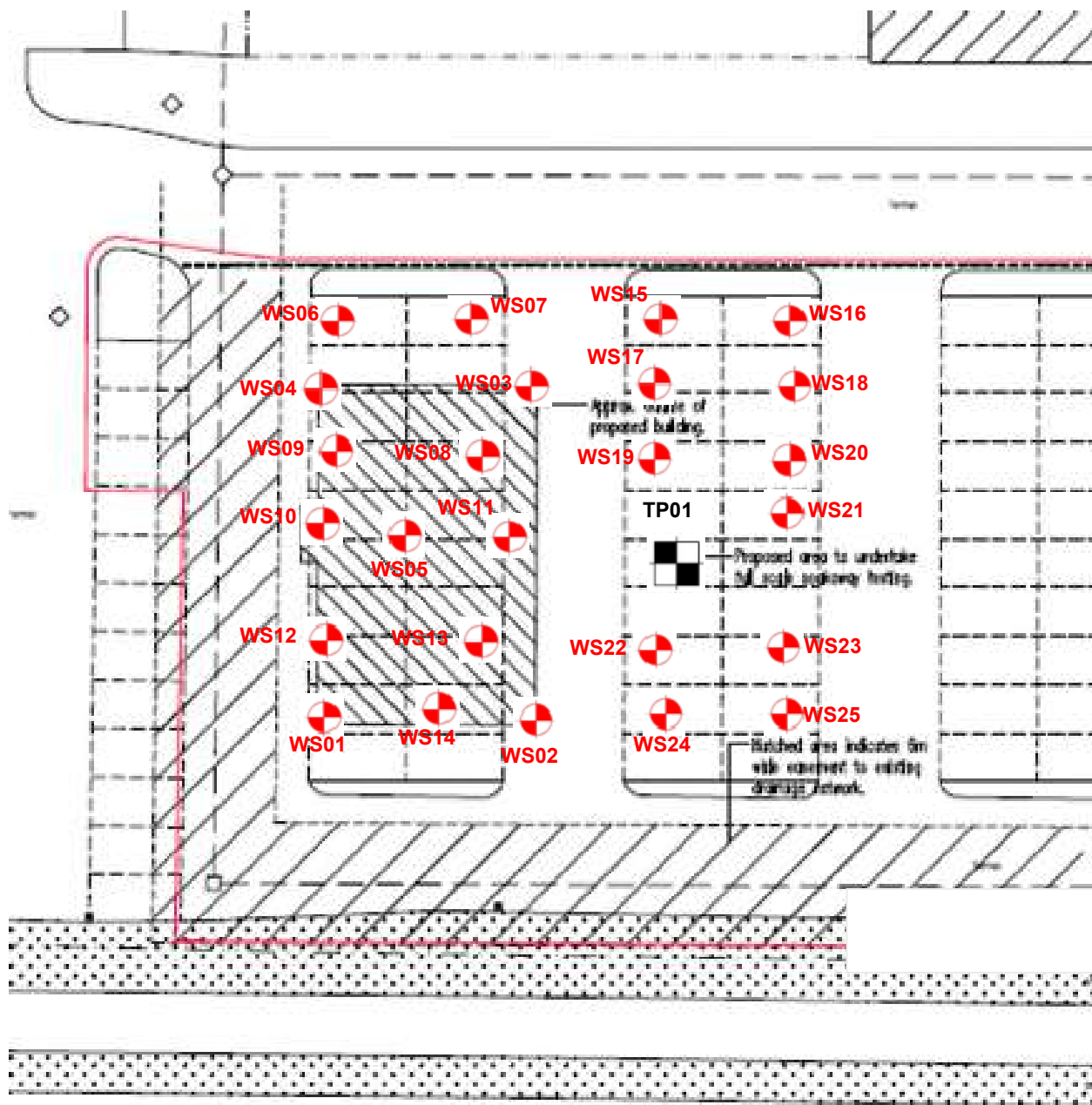
Gas monitoring round 5 16/12/2021 Pressure: 1037mb			
Weather: Overcast and mild.			
Gas	WS01	WS02	WS05
CH ₄ (%)	0.0	0.0	0.0
CO ₂ (%)	0.0	0.0	0.0
O ₂ (%)	19.4	19.3	19.3
CO (ppm)	0ppm	0ppm	0ppm
H ₂ S (ppm)	0ppm	0ppm	0ppm

Flow (l/hr)	0.0	0.0	0.0
Depth to Groundwater	Dry	Dry	Dry

In-situ Gas Monitoring Results – Baglan Retail Park

Gas monitoring round 6 04/01/2022 Pressure: 1037mb			
Weather: Overcast and mild.			
Gas	WS01	WS02	WS05
CH₄ (%)	0.0	0.0	0.0
CO₂ (%)	0.0	0.0	0.0
O₂ (%)	20.9	20.8	21.1
CO (ppm)	0ppm	0ppm	0ppm
H₂S (ppm)	0ppm	0ppm	0ppm
Flow (l/hr)	0.0	0.0	0.0
Depth to Groundwater	Dry	Dry	Dry

DRAWINGS



Job Number:

16843

Job Title:

Baglan Retail Park

Drawing Title:

Exploratory Hole Layout

Drawing Number:

01

Scale:

Not To Scale

Legend:

 Windowless Sampler Borehole Location

 Trial Pit Location

North



