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Tier 1 Geoenvironmental & Geotechnical Report

Site: The Red Dragon, Port Talbot

Prepared For: Castell Construction Limited

Issue Date: April 2025

Job No: TF-24-275-CA

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REPORT TITLE : **Tier 1 Geoenvironmental and Geotechnical Report: Proposed Residential Development, The Red Dragon, Port Talbot**

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Executive Summary

Site Location and Proposed Development	*Castell Construction Ltd (the Client) is proposing the construction of a new residential development at the Red Dragon, Port Talbot. The proposed development will consist of 22 residential dwellings and associated infrastructure including access road, car parking, soft landscaping and communal gardens.* *The development site is triangular in shape and locates at the location of the Red Dragon, Port Talbot. The site centres on an approximate National Grid Reference of 274670, 189870, occupying a plan area of approximately 0.21 Hectares.*
Site History	*The earliest historic map, circa 1876, shows the site forms part of a sand dune and is covered in reeds. The historic map of 1952-1957 shows the Red Dragon pub has been built in the north of the site. By 2024 the pub has been extended and there have been no other significant changes.*
Geology	*The site is shown to be underlain by coal bearing mudstone/siltstone rocks, of the South Wales Middle Coal Measures Formation.* *Superficial deposits are recorded as Blown Sand* *Made ground is anticipated at the site associated with historic landscaping.*
Radon	*The Envirocheck report (Annex A) details that no radon protective measures are required for new developments constructed at ground level on the investigation site.*
Coal Mining Risk Assessment	*The overall risk to the surface stability of the site from possible unrecorded legacy mining features is considered negligible.* *It is determined the site is in a negligible risk zone from mine gas and no mitigation measures are required.*
Anticipated Ground Conditions	**Stratum** / **Depth (m)** *Potential made ground* / *0.00 – 1.00* *Blow sand* / *1.00 – 30.00* *Bedrock* / *>30.00*
Contamination of Concern	*Metals, Metalloids, Organics and Inorganics Asbestos, Hydrocarbons, TPH and PAH, Methane, Carbon Dioxide, Carbon Monoxide, Hydrogen Sulphide*
Plausible Pollutant linkages	*Possible made ground beneath the site associated with historic land scaping is a potential contamination* *The site is within a landscaped area and infilled land located within influencing distance are potential sources of ground gas.*
Anticipated Foundation Solution	*Based upon the desk study information, it is likely that reinforced concrete strip foundations found at shallow depth withing the blown sand will be feasible for low rise development on site. For larger structures a piled foundation would be required.*
Recommended Further Works	*It is recommended that an intrusive investigation is undertaken to inspect the ground conditions, to take soil samples for laboratory chemical and geotechnical testing and to install shallow ground gas monitoring wells.* *It is perceived a combination of dynamically sampled boreholes and cable percussive boreholes will be suitable to investigate the site.* *If the deep cable percussive boreholes encounter impacted groundwater it would be prudent to install monitoring wells to aid the recovery of samples for laboratory testing.* *Soakaway testing should also be carried out to aid drainage design.*

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SECTION 1 Introduction & Proposed Development

1.1 Background

Castell Construction Ltd (the Client) is proposing the construction of a new residential development at the Red Dragon, Port Talbot. The proposed development will consist of 22 residential dwellings and associated infrastructure including access road, car parking, soft landscaping and communal gardens. The proposed layout can be seen in **Figure 1.1**.



Figure 1.1 Proposed Site Layout

Pheonix Design Ltd are the Consulting Civil Engineer for the project.

TFW Group Ltd (Terra Firma) have been commissioned by the Client to undertake a Geotechnical and Geoenvironmental Report

This report comprises a Tier 1 (Desk Study) including a Preliminary Geoenvironmental Risk Assessment, Geotechnical and Coal Mining Risk Assessment.

1.2 Objectives

Land Contamination Risk Management (LCRM) guidance provided by the Environment Agency advocates using a tiered approach. This comprises Tier 1; the Preliminary Risk Assessment, Tier 2; the Generic Quantitative Risk Assessment and Tier 3; the Detailed Quantitative Risk Assessment. As each tier is completed a decision is made whether it is necessary to advance to the next tier.

In addition to LCRM, geotechnical aspects of the development also need to be considered and are approached in a similar manner, with the risks identified in the preliminary assessment, and then investigated through subsequent phase of investigation.

1.2.1 Tier 1

The main objectives of the Tier 1 Geoenvironmental Assessment programme are:

- provide information on past and current uses of the site and surrounding area;
- identify the likely potential environmental liabilities at the site associated with any soil, groundwater, vapour and gas contamination from past site and surrounding land uses;
- provide information on the likely ground conditions beneath the site, including soil types, groundwater and if made ground is likely to be present;
- produce an initial conceptual site model, to detail the nature and extent of potential contamination, its source, potential pathways and likely receptors (pollutant linkage);
- prepare a preliminary human health and environmental risk assessment for the site; and
- inform the design of subsequent phases of intrusive site investigation.

The main objectives of the Preliminary Geotechnical Assessment programme are:

- identify possible geotechnical risks pertaining to the development; and
- scrutinise the risk, if any, from legacy coal mining features.

In order to achieve the above objectives, Terra Firma carried out an assessment programme including a review of existing data.

1.3 Geotechnical Category

In accordance with BS EN 1997-1:2004+A1:2013, the proposed development comprises the following geotechnical category:

Geotechnical Category 2: conventional types of structures and foundation with no exceptional risk of difficult soil or loading conditions (e.g., spread, raft & pile foundations; retaining structures; excavations; earthworks and ground anchors).

1.4 Information Sources

The following sources of information have been referenced in support of this assessment:

- Landmark Envirocheck Report (**Annex A**)
- Coal Mining Report (**Annex B**)
- British Geological Maps Sheet 247 Solid (Swansea) 1:50,000 scale and Sheet SS78NE 1:10,560 scale
- Coal Authority Website
- Client provided information, proposed site layout. (**Figure 1.1**)

1.5 Roles & Responsibilities

Table 1.1 Roles and Responsibilities

Role	Organisation
Client/Developer	Castell Construction Limited
Geotechnical/Geoenvironmental Consultant	TFW Group Limited
Civil Engineer	Pheonix Design Limited
Architect	RLH architectural Limited
Local Authority	Neath Port Talbot County Borough Council

1.6 Limitations & Exceptions of Investigation

The Client has requested that a Tier 1 Geoenvironmental and Geotechnical Risk Assessment (Desk Study) be undertaken to enable the outlined main objectives.

The Tier 1 report was conducted, and this report has been prepared for the sole internal reliance of the Client and their design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of TFW Group Ltd. 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. TFW Group Ltd does not provide legal advice and the advice of lawyers may be required.

Human health and environmental risk assessment outcomes may not take into account the potential for the creation of new contaminant linkages as a result of variation to the proposed development and recommended engineering solutions. It is therefore imperative that the Client engages a geoenvironmental consultant to re-visit the conceptual site model and potential risks upon completion of final designs, prior to development.

1.7 Quality Assurance

The quality, health, safety and environmental aspects of the assessment comply with Terra Firma business management system which is UKAS accredited and complies with the requirements of BS EN ISO 9001:2015, BS EN ISO 14001:2015 and BS EN ISO 45001:2018 standards.

SECTION 2 Review of Existing Data

2.1 Physical Setting & Current Site Use

The development site is square in shape and locates at the location of the Red Dragon, Port Talbot. The site centres on an approximate National Grid Reference of 274670, 189870, occupying a plan area of approximately 0.21 Hectares.

The site is the location of the Red Dragon pub, the pub occupies the north of the site with the car park occupying the rest of the site.

Site boundaries are defined by Moorland Road to the south, Abbeyville Road to the east and residential housing to the north and west

The site elevation is approximately 9m AOD and is level.

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



Figure 2.1 Site Location

2.2 Historical Setting

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 1:2500	The site forms part of sand dunes and is covered in reeds.	The site is surrounded by sand dunes and covered in reeds. Swansea Bay is located 400m southwest of the site.
1884-1885 1:10560	No significant changes.	There is a railway siding located 700m east of the site, trending north to south.
1900 1:10560	No significant changes.	The railway siding located 700m east of the site has been dismantled, New sidings are present 200m east and 500m east of the site. The Rhondda and Swansea Bay Railway is located 650m northeast. North Pier has been built 700m south of the site. A 500m wide shingle deposit has now built up on the coastline.
1917 1:2500	No significant changes.	A Brick Works has been built just over 100m northeast of the site with a siding to the south of the works.
1938-1952 1:10560	No significant changes.	A large square area with several Tanks has been built 100m south of the site. There has been significant residential development between 250m-1000m to the east of the site. Vivian Memorial Park which includes a football ground, tennis courts and playground has been built 250m northeast of the site.
1952 - 1957 1:2500	The Red Dragon pub has been built in the north of the site.	The site is now surrounded but residential housing.
1960 - 1967 1:1250	No significant changes.	The square area to the south now forms part of an indoor sports centre and the tanks have been removed. The area has undergone landscaping and is now raised.
1980 - 1982 1:10000	No significant changes.	No significant changes.
1999 1:10000	No significant changes.	No significant changes.
2006 1:10000	No significant changes.	No significant changes.
2024 1:10000	The pub has been extended.	No significant changes.

2.3 Geological Setting

2.3.1 Geological Mapping

The 1:50,000 and 1:10,560 scale British Geological Survey maps of the area, Sheet 247 and Sheet SS78NE respectively, and the online BGS GeoIndex map viewer were consulted for geology underlying the site.

The Envirocheck report shows the site to in an area of landscaped ground.

Detailed stratigraphical information beneath the site is provided in **Table 2.2**.

Table 2.2 Detailed Stratigraphical Information

Age	Formation	Description
Recent	Made Ground	Clay, silt, sand gravel with anthropological material.
Quaternary	Blown Sand	Blown sand is sand that has been transported by wind, or sand consisting predominantly of wind-borne particles.
Carboniferous	South Wales Middle Coal Measures	Grey, (productive) coal-bearing mudstones/siltstones, with seatearths and minor sandstones.

Strata dip is no recorded in the local area.

There is a fault located approximately 100m northeast of the site. The fault trends northwest to southeast with the down through to the northeast.

2.3.2 Mining & Mineral Sites

The site situates inside the South Wales Coal Field.

There are no relevant BGS mineral sites as recorded in the Envirocheck report.

2.3.3 Coal Authority Coal Mining Data

The Coal Authority online viewer indicates the site is located within a coal mining reporting area, it is not within a development high risk area.

A Coal Authority consultants coal mining report (**Annex B**) was acquired for the site as part of this Tier 1 Assessment. Pertinent information is summarised below.

Underground Mining

There is no past underground mining in proximity to the site.

The Coal Authority consider the probability of unrecorded shallow workings to be none.

Spine roadways are not recorded beneath the site.

Mine Entries

The Coal Authority identify no mine entries within 100m of the site.

Outcrops

There are no outcrops in proximity to the site, as recorded by the Coal Authority.

2.4 Natural Hazards

2.4.1 Geotechnical Risks

The following natural hazards have been considered for their potential geotechnical risk to the proposed development.

Table 2.3 Summary of Geotechnical Risks

Hazard	Hazard Potential	Details
Ground Dissolution / Karstic Features	No Hazard	The geology underlying the site comprises mudstone rocks of South Wales Middle Coal Measures Formation which are not prone to dissolution features.
Collapsible Ground	No Hazard	Geology underlying the site is not prone to collapsing.
Compressible Ground	No Hazard	The superficial deposits beneath the site are blown sand which are not compressible.
Landslide	Very Low	The topography of the site and surrounding area is level.
Running Sand	No Hazard	However due to the site being placed on a historic dune formation running sands could be present.
Shrinking and Swelling Clays	No Hazard	The superficial deposits beneath the site are blown sand which do not shirk or swell.

2.4.2 Radon

The Envirocheck report (**Annex A**) details that no radon protective measures are required for new developments constructed at ground level on the investigation site.

2.4.3 Aggressive Ground Conditions

Made Ground

Based on the available information, made ground is anticipated on the site. This is likely, due to the location, to comprise slag and clinker and may contain elevated levels of sulphates and acids which can be damaging to buried concrete. Therefore, the presence of aggressive agents is considered plausible.

Natural Ground

The geological formation beneath the site comprises the mudstone of the South Wales Coal Measures Formation which may contain pyrite (iron sulphide), therefore the presence of aggressive agents is possible in the bedrock.

2.5 Environmental Setting

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

2.5.1 Hydrogeology

Superficial deposits beneath the site have an aquifer designation of secondary aquifer – A. The Aquifer is a High Vulnerability secondary aquifer.

The bedrock deposits beneath the site have an aquifer designation 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. Given the mining setting of the area underground workings are also likely to be acting as conduits for groundwater flow.

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

It is anticipated that the groundwater is in hydrological continuity with Swansea Bay and may be tidal in nature.

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

There is no groundwater abstraction points within 1000m of the site.

2.5.2 Hydrology

The nearest surface water feature locates off site 342m to the southwest and comprises Swansea Bay.

The topography of the local area slopes down towards to the southeast. Surface water is likely to drain in this direction.

2.5.3 Flooding

The recorded flood risks to the site are summarised in **Table 2.4**.

Table 2.4 Flood Risk Summary

Hazard	Risk
Extreme flooding from rivers and seas	No risk.
Groundwater flooding	Potential for groundwater flooding of property situated below ground level.
Surface water flooding 1 in 30-year event	No risk.
Surface water flooding 1 in 100-year event	No risk.
Surface water flooding 1 in 1000-year event	The southeast corner and eastern boundary are at risk.

2.5.4 Waste

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

There are no discharge consents within 1000m of the site boundary.

2.5.5 Infilled Land

Potentially infilled land features within 250m of the site are summarised in **Table 2.5**.

Table 2.5 Potentially Infilled Land

Feature	Distance/Direction
Infilled Land (Non-Water) Unknown infilled ground possibly associated with residential development.	106m Northeast

2.5.6 Pollution

There are no pollution incidents recorded to have occurred within 250m of the site.

2.5.7 Sensitive Land Use

The site is not located within or within 1km of a sensitive land use area.

2.5.8 Estimated and Measured Urban Soil Chemistry

Estimated

The British Geological Survey have published estimated urban soil chemistry concentrations locally to the site for a number of common contaminants, i.e. arsenic, cadmium, chromium, lead and nickel. All of the given determinants have anticipated concentrations that are below the recognised trigger levels for a residential with plant uptake scenario apart from arsenic.

Measured

The British Geological Survey have published measured urban soil chemistry concentrations locally to the site, 96m southeast, for a number of common contaminants, i.e. arsenic, cadmium, chromium, lead and nickel. All of the given determinants have anticipated concentrations that are below the recognised trigger levels for a residential with plant uptake scenario.

2.5.9 Industrial Land Use

There are no relevant contemporary trade directory entries recorded within 250m of the site.

2.5.10 Local Authority Information Request

Due to the presence of tanks within influencing distance of the site it would be prudent to obtain and EIR from the local council.

SECTION 3 Preliminary Coal Mining Risk Assessment

3.1 Introduction

The following sections provide a qualitative assessment of the mining legacy beneath the site and is based on the available information detailed in preceding sections of this Tier 1 assessment.

Risks associated with mining legacy are broad and often complex, however, they can largely be summarised into the following categories;

- ground instability & subsidence (geotechnical) – in relation to collapse of recorded and unrecorded shallow mine working, roadways and mine entries; and;
- contamination (geoenvironmental) – mine gas, mine water emissions, and soil contamination associated with mining legacy sites or tips.

The positioning of Coal Authority abandonment plans relative to the site boundary has been assessed and where possible geo-referencing and geo-rectifying of the plans has been undertaken in Geographic Information System (GIS) software. This has been undertaken using a best fit analysis in relation to common surface features with reference to relevant historical maps. The approximate site boundary has also been added to plans to determine areas which may be at risk.

3.2 Geotechnical Risk

Recorded Underground Mining

There is no past underground mining in proximity to the site.

Spine roadways are not recorded beneath the site.

Potential Unrecorded Shallow Workings

There are no outcrops in proximity to the site, as recorded by the Coal Authority.

The Coal Authority consider the probability of unrecorded shallow workings to be none.

Shafts & Adits

There are no known mine entries within 100m of the site.

Geological Faults, Fissures and Breaklines

Mapping indicates that there is a fault located approximately 100m northeast of the site. The fault trends northwest to southeast with the down through to the northeast.

3.2.1 Preliminary Ground Model

Based on available data, a preliminary ground model, comprising a stratigraphical sequence within 60m of the ground surface is illustrated in **Figure 3.1**.

Holocene	MADE GROUND	1.00m
Quaternary	Blow Sands	30.00m
Carboniferous	South Wales Lower Coal Measures: Coal Bearing Mudstone/Siltstone with Seatearth and minor Sandstone	60.00m

Figure 3.1 Preliminary Ground Model

3.2.2 Conclusion

The overall risk to the surface stability of the site from possible unrecorded legacy mining features is considered negligible.

3.3 Geoenvironmental Risk

3.3.1 Mine Gas

This mine gas assessment has been completed in accordance with guidance published in CL:AIRE:2021, Good practice for risk assessment for coal mine gas emissions. In the first instance, the risk assessment process requires the screening out of 'potentially at risk sites' utilising the decision support tool for mine gas risk assessment, provided in Figure 13.1 of the aforementioned publication. A summary of the decision tool and site outcome is presented in **Table 3.1**.

Table 3.1 Decision Support Tool Summary – Site Specific

Step	Qualifier Question	Outcome	Comment
1	Is the site within a Coal Authority defined coal mining reporting area?	Yes	If Yes Go to step 2
2	Are all these statements true? • Mine entries >50m from site boundary. • Workings >150m depth. • No faults or other potential pathways connecting surface to deeper unflooded workings. • Outside are of past or probable shallow workings on Coal Authority viewer.	Yes	Negligible Risk Zone
3	Are all these statements true? • Workings between 30m and 150m but permanently flooded or covered by 10m+ of low permeable superficial deposits. • Mine entries > 50m from site boundary. • Low permeability superficial deposits of sufficient thickness - <$1x10^{-6}$ m/s hydraulic conductivity.	-	-

4	Are any of these statements true? • Mine entries on site or <20m from site boundary • Workings below site <30m depth and unflooded or variable water level • Faults or other pathways connecting surface to deeper unflooded workings • Within area of past or probable shallow workings on Coal Authority viewer	-	-

It is determined the site is in a negligible risk zone from mine gas and no mitigation measures are required.

SECTION 4 Preliminary Human Health & Environmental Risk Assessment

4.1 General

The Tier 1 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 1990, a contaminant linkage needs to be identified. Contaminant linkages are defined by having a valid 'source – pathway – receptor' as established in the preliminary conceptual site model.

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

4.2 Potential Sources of Contamination

Potential or known sources of contamination associated with the site current and historical land uses are summarised in **Table 4.2**.

Table 4.2 Contamination Sources

ID	Contamination Source	Contaminant	Source of Information
S1	Potential made ground and/or contaminated soils	Metals, Metalloids, Organics and Inorganics Asbestos, Hydrocarbons, TPH and PAH	Envirocheck historical maps
S2	Potential infilled land	Methane, Carbon Dioxide, Carbon Monoxide, Hydrogen Sulphide	Envirocheck historical maps
S3	Area of tanks 100m to the south east.	PAH and TPH	Envirocheck historical maps

4.3 Potential Pollution Pathways

Potential contaminant pathways associated with a **residential with home grown produce land use** are summarised in **Table 4.3**.

Table 4.1 Contamination Pathways

ID	Pathway
P1	Direct soil and dust ingestion
P2	Plant uptake & consumption of home grown produce
P3	Dermal contact
P4	Inhalation of dust and vapours
P5	Vertical migration of leachates/liquid contaminants (unsaturated zone)
P6	Horizontal and vertical migration of contaminants (saturated zone)
P7	Artificial contaminant pathway (borehole, pile, excavation etc)
P8	Surface run-off
P9	Horizontal and vertical migration of ground gasses and vapours
P10	Direct contact with construction materials
P11	Inhalation of asbestos fibres

4.4 Potential Receptors

There are human and hydrological receptors to any contamination that may be present on site. Potential receptors are summarised in **Table 4.4**.

Table 4.2 Contamination Receptor

ID	Receptor
R1	Construction and maintenance workers
R2	Future site users (residents and visitors)
R3	Passers-by or neighbouring site users
R4	Groundwater (aquifer)
R5	Surface waters (Swansea Bay)
R6	Area of public open space
R7	Construction materials (concrete/potable water pipes)
~~R8~~	~~Areas of Sensitive Land (SSSI's etc)~~

4.5 Preliminary Conceptual Site Model

The preliminary conceptual site model establishes potential contaminant linkages between contaminants (source), pathways and receptors, realised during the preparation of the Tier 1 assessment. Where a potential contaminant linkage is identified, an assessment of risk is subsequently undertaken. The preliminary conceptual site model is tabulated in **Table 4.5**.

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

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

4.5.1 Data Gaps & Uncertainties

Key data gaps and uncertainties identified in the conceptual site model at Tier 1 assessment stage include:

- there are no previous site investigations available for the site, therefore no information is available on actual concentrations of contaminants in soil and groundwater at this stage;

Table 4.3 Preliminary Conceptual Site Model

Source	Pathway	Receptor	Preliminary Risk Assessment		
			Consequence	Probability	Risk & Justification
Human Health					
Soils S1	Direct soil and dust ingestion P1 Dermal contact P3 Inhalation of dust and vapours P4 Inhalation of asbestos fibres P11	Construction and maintenance workers R1	**Medium**	**Low Likelihood**	**Low Risk:** COSHH assessment and good level of PPE/ hygiene by site workers/ staff; dust suppression measures to be adopted, if required.
		Passers-by or neighbouring site users R3	**Medium**	**Unlikely**	**Near Zero Risk**: Dust suppression measures may be adopted to mitigate this risk, if required.
		Future site users R2	**Medium**	**Likely**	**Medium Risk:** Potential contamination associated with historic land scaping and site use.
Ground Gas S1 & S2	Horizontal and vertical migration of ground gasses and vapours P9	Future site users R2, Construction and maintenance workers R1	**Severe**	**Low Likelihood**	**Medium Risk:** The site is within a landscaped area and infilled land located within influencing distance are potential sources of ground gas.
Impacted Groundwaters S1 & S3	Horizontal and vertical migration of contaminants (saturated zone) P6 Dermal contact P3	Construction and maintenance workers R1 Future site users R2	**Medium**	**Unlikely**	**Near Zero Risk:** The offsite tanks may be a potential source of contamination however given the distance from the site this is likely to be at depth if it is present at all. Transport by groundwater would be required for substances to impact the study site. COSHH assessment and good level of PPE/ hygiene by site workers/ staff; dust suppression measures to be adopted, if required for construction workers. Depending on the findings of the phase 1 investigation additional phases may be required to investigate the risk to future site users.
Soils S1	Plant uptake & consumption of home grown produce P2	Future site users R2	**Medium**	**Low Likelihood**	**Low Risk:** Potential contamination associated with historic land scaping and former site use.
Soils S1	Direct Contact P10	Construction materials (water pipes) R7	**Mild**	**Low Likelihood**	**Low Risk:** An appropriate water supply pipe material should be chosen after the potable water supplier has completed an assessment in accordance with UK Water Industry Research guidance; Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites, UKWIR Report Ref: 10/WM/03/21.
Aggressive ground conditions – Sulphates S1		Construction materials (concrete) R7	**Mild**	**Likely**	**Low Risk:** Chemical analysis of the soils must be undertaken and the appropriate classification of concrete should be specified as per BRE Special Digest 1: Concrete in Aggressive Ground.

Aquatic Environment					
Soils (leachate) S1	Surface run-off P8	Surface waters (river/lake) R5	**Mild**	**Low Likelihood**	**Low Risk:** Made ground is anticipated on the site associated with its former use. Soil samples which are found to exceed guideline values should be further scheduled for leachate testing.
Soil (leachate) S1	Vertical migration of leachates/liquid contaminants (unsaturated zone) P5	Groundwater (aquifer) R4	**Mild**	**Low Likelihood**	**Low Risk:** Made ground is anticipated on the site associated with its former use. Soil samples which are found to exceed guideline values should be further scheduled for leachate testing.
Soils (leachate) S1	Horizontal and vertical migration of contaminants (saturated zone) P6	Surface waters (river/lake) R5	**Mild**	**Low Likelihood**	**Low Risk:** Made ground is anticipated on the site associated with its former use. Soil samples which are found to exceed guideline values should be further scheduled for leachate testing.
		Groundwater (aquifer) R4	**Mild**	**Low Likelihood**	**Low Risk:** Made ground is anticipated on the site associated with its former use. Soil samples which are found to exceed guideline values should be further scheduled for leachate testing.

4.6 Conclusion

It is determined that potential contaminant linkages have been identified and uncertainties are unacceptable and more information is needed to refine the conceptual site model. It is therefore necessary to proceed to a Tier 2 generic quantitative risk assessment.

SECTION 5 Preliminary Engineering Recommendations

Recommendations given in this section are based upon the available desk study information and need to be confirmed by a relevant intrusive investigation.

5.1 Preliminary Ground Model

Based on the available desk study information anticipated ground conditions at the site are summarised in **Table 5.1**.

Table 5.1 Anticipated Ground Conditions

Stratum	Depth (m)
Potential made ground	0.00 – 1.00
Blow sand	1.00 – 30.00
Bedrock	>30.00

5.1.1 Groundwater

Due to vicinity to Swansea Bay groundwater is likely to be tidal.

5.2 Preparation of Site

Prior to site works commencing an appropriate asbestos survey should be carried out in the existing building. Any asbestos containing materials identified should be removed and disposed of at appropriate landfill facility by a specialist contractor.

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.

5.3 Tentative Foundation and Floor Slab Solution

Based upon the desk study information, it is likely that reinforced concrete strip foundations found at shallow depth withing the blown sand will be feasible for low rise development on site. For larger structures a piled foundation would be required.

5.4 Excavations and Formations

Shallow excavations will likely be possible with normal soil excavating machinery.

Excavations may encounter shallow groundwater flows. Any inflows together with rainwater infiltration should be dealt with by conventional pumping techniques.

5.5 Storm Water Drainage

Soakaway drainage is likely due to the superficial deposits being sand.

The suitability of stormwater drainage should however be confirmed by in-situ soakaway testing.

Proposed soakaways should be positioned at least 5.0m away from any structure.

SECTION 6 Recommended Site Investigation

6.1 General

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

- Identify the potential environmental liabilities at the site associated with any soil, gas, and groundwater contamination from past site uses, to substantiate and enhance the conceptual site model, for a residential with home grown produce scenario.
- Provide a summary of the environmental conditions at the site, together with any necessary remediation works to render the site fit for its intended use.
- Provide recommendations regarding any relevant geotechnical aspects pertaining to the development.

6.2 Intrusive Investigation

It is recommended that an intrusive investigation is undertaken to inspect the ground conditions, to take soil samples for laboratory chemical and geotechnical testing and to install shallow ground gas monitoring wells.

It is perceived a combination of dynamically sampled boreholes and cable percussive boreholes will be suitable to investigate the site.

If the deep cable percussive boreholes encounter impacted groundwater it would be prudent to install monitoring wells to aid the recovery of samples for laboratory testing.

Soakaway testing should also be carried out to aid drainage design.

6.3 Soil Sampling Strategy

Soil sampling locations must be selected on a targeted basis to investigate suspected/known sources of contamination or potential contamination migration pathways.

6.4 Recommended Soil Chemical Analysis

It is recommended that soil samples be taken of the made ground and underlying natural materials and tested at an accredited laboratory for the determinands listed in **Table 6.1**.

Table 6.1 Soil Laboratory Analysis

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

Soil samples exhibiting elevated levels of metal and metalloid determinands should be further schedule for leachate testing of the offending substance.

6.5 Recommended Ground Gas Assessment

It is recommended that 3No dedicated shallow gas wells be installed within made ground with the response zone situated above groundwater level. The purpose of the gas well is to tests made ground soils as a potential migration route for off-site and on-site ground gasses.

Depending on the depth to groundwater 3No additional wells should be installed wholly within the unsaturated superficial deposits to similarly test the potential migration route for off-site ground gasses.

Installations should be tested for carbon dioxide, methane, oxygen, hydrogen sulphide and carbon monoxide using a suitable gas analyser. Atmospheric pressure and gas flow should also be recorded.

With reference to CIRIA C665:2007 Tables 5.5a and 5.5b, it is considered that a gas monitoring programme comprising 6 visits over a 3 month period sufficient, however, this may need to be extended to a larger programme of 9 visits over 6 months if any concerns are raised during the initial monitoring period. At least two sets of readings should be at low and falling atmospheric pressure.

ANNEX A
Envirocheck Report

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
373531279_1_1

Customer Reference:
TF-24-275

National Grid Reference:
274670, 189870

Slice:
A

Site Area (Ha):
0.21

Search Buffer (m):
1000

Site Details:

The Red Dragon, Moorland Road
PORT TALBOT
SA12 6JZ

Client Details:

Mr M Lake
TFW Group Ltd
5 Deryn Court
Wharfdale Road
Pentwyn
Cardiff
CF23 7HB

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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

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Summary

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	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2				8
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4			1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4			Yes	
Pollution Incidents to Controlled Waters	pg 4			4	8
Historical Prosecutions					
Registered Radioactive Substances	pg 6				5
Substantiated Pollution Incident Register	pg 7			1	2
Water Abstractions	pg 7				(*14)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 10	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 11				1
Water Framework Directive - Catchment	pg 11	Yes			
Water Framework Directive - Groundwater	pg 11	Yes			
Water Framework Directive - Surface Waters	pg 11			Yes	Yes

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Summary

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 12				2
Local Authority Landfill Coverage	pg 12	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 12				1
Potentially Infilled Land (Non-Water)	pg 12		1		2
Potentially Infilled Land (Water)	pg 12				25
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 14				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 14				1
Planning Hazardous Substance Consents	pg 14				1
Planning Hazardous Substance Enforcements					

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Summary

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 15	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 15	Yes		Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 16		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 17	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 18	Yes	n/a	n/a	n/a
Mining Instability	pg 18	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				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				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 19			3	84
Fuel Station Entries	pg 27			1	1
Points of Interest - Commercial Services	pg 27			3	9
Points of Interest - Education and Health	pg 28				9
Points of Interest - Manufacturing and Production	pg 29				9
Points of Interest - Public Infrastructure	pg 29			4	6
Points of Interest - Recreational and Environmental	pg 30			5	4
Underground Electrical Cables					

Summary

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 of Property Situated Below Ground Level	A13NW (S)	0	1	274667 189868
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	5	1	274667 189900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	105	1	274667 190000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	112	1	274600 189750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	259	1	274700 190150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	274	1	274400 190000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	280	1	274450 189650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	286	1	274400 189700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	291	1	274500 189600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	305	1	275000 189868
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	308	1	274350 189750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	313	1	275000 189950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	314	1	274550 189550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	316	1	274400 189650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	318	1	274450 189600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	327	1	275000 190000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	329	1	274350 189700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	335	1	274500 189550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	340	1	274667 189500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	356	1	274300 189750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	390	1	274250 189850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	469	1	275000 189500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Gasworks Sewer Junction Chamber Po, Chamber Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: BB4025503 Permit Version: 1 Effective Date: 19th July 1978 Issued Date: 19th July 1978 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed **Status: Surrendered** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	963	2	275600 189550
1	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Gasworks Sewer Junction Chamber Po, Chamber Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bb4025503 Permit Version: 1 Effective Date: 19th July 1978 Issued Date: 19th July 1978 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Tawe **Status: Surrendered** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	963	2	275600 189550
1	**Discharge Consents** Operator: Westbury Homes (Wales) Ltd Property Type: Domestic Property (Multiple) Location: Port Talbot Residentiol Development, Newbridge Road Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0105101 Permit Version: 2 Effective Date: 3rd November 1988 Issued Date: 3rd November 1988 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Afan **Status: Consent expired** Positional Accuracy: Located by supplier to within 100m	A9NE (E)	981	2	275600 189500
1	**Discharge Consents** Operator: Westbury Homes (Wales) Ltd Property Type: Domestic Property (Multiple) Location: Port Talbot Residentiol Development, Newbridge Road Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0105101 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 2nd November 1988 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: River Afan **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A9NE (E)	981	2	275600 189500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Cso 104, Newbridge Road Pumping Station, Off Victoria Road, Aberavon, Port Talbot, Sa12 6dg Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bb4025501 Permit Version: Not Supplied Effective Date: 11th August 2022 Issued Date: 11th August 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: River Afan **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	978	2	275632 189598
2	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 104 Newbridge Road Pumping Stat, Newbridge Road Pumping Station, Port Talbot, Neath Port Talbot Cbc Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bb4025501 Permit Version: 2 Effective Date: 1st April 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Tawe **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	978	2	275632 189598
2	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 104 Newbridge Road Pumping Stat, Newbridge Road Pumping Station, Port Talbot, Neath Port Talbot Cbc Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bb4025501 Permit Version: 2 Effective Date: 1st April 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Tawe **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	978	2	275632 189598
3	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: S'Dfields Sewer J'Ction Chambe Port, Port Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: BB4025502 Permit Version: 1 Effective Date: 19th July 1978 Issued Date: 19th July 1978 Revocation Date: 31st March 2004 Discharge Type: Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	986	2	275510 189310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**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	A12NE (W)	411	3	274243 189960
	Nearest Surface Water Feature	A13SW (SW)	342	-	274378 189636
5	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: On High Tide Line, To Left Of Slipway Authority: Environment Agency, Welsh Region Pollutant: Industrial Solid Waste Note: Not Supplied Incident Date: 11th February 1997 Incident Reference: 31115 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	A12SE (W)	344	4	274300 189800
6	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Aberafon, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Aberafan Beach; Natural Occurrence Incident Date: 5th June 1997 Incident Reference: 32508 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	393	4	274250 189900
7	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Natural Occurrence; Aberafan Beach Incident Date: 17th September 1998 Incident Reference: 36711 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	443	4	274200 189800
8	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Aberafon Beach Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Not Supplied Incident Date: 16th October 1996 Incident Reference: 30237 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	A8NW (S)	445	4	274600 189400
9	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Coastguard, Building And Steps Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Inadequate Design/Capacity Incident Date: 21st November 1994 Incident Reference: 21791 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	558	4	274101 190001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: 100 Yards From Bp End, Passes Maes Yr Coed House Club Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Natural Causes Incident Date: 11th June 1996 Incident Reference: 28680 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	654	4	274001 189996
10	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: 100 Yards From Bp, End Past Afan, Lido Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Natural Causes Incident Date: 11th June 1996 Incident Reference: 28680 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	656	4	274001 190001
11	**Pollution Incidents to Controlled Waters** Property Type: Domestic/Residential Location: Little Warren Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Deliberate Act Incident Date: 24th November 1994 Incident Reference: 21796 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	A8SE (S)	840	4	274700 189000
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Natural Occurrence; Aberafan Beach Incident Date: 21st August 1998 Incident Reference: 36565 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	906	4	273800 190200
13	**Pollution Incidents to Controlled Waters** Property Type: Building Sites Location: Old Gas Works, Site Victoria Road, Port Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Accidental Spillage/Leakage Incident Date: 14th March 1996 Incident Reference: 27548 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	922	4	275600 189700
14	**Pollution Incidents to Controlled Waters** Property Type: Bank Erosion Location: Aberafan East Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Natural Causes Incident Date: 8th May 1996 Incident Reference: 28280 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	942	4	274600 188900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Afan Sewage, Pumping Station Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 27th April 1995 Incident Reference: 23819 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	A14SE (E)	965	4	275600 189545
16	**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	A19SW (NE)	658	2	275011 190457
17	**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	A19SW (NE)	858	2	275298 190490
18	**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	A19SE (NE)	918	2	275402 190466
18	**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	A19SE (NE)	918	2	275402 190466
18	**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	A19SE (NE)	918	2	275402 190466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Substantiated Pollution Incident Register** Authority: Natural Resources Wales Incident Date: 16th December 2009 Incident Reference: 741055 Water Impact: Category 4 - No Impact Air Impact: Category 1 - Major Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke	A13SW (S)	264	2	274649 189577
20	**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	A18NE (NE)	753	2	275002 190567
21	**Substantiated Pollution Incident Register** Authority: Natural Resources Wales Incident Date: 4th January 2005 Incident Reference: 285528 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals/Products: Other Organic Chemical Or Product	A14SE (E)	803	2	275472 189676
	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	A15SW (E)	1299	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	A15SW (E)	1299	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	A15SW (E)	1299	4	275980 189690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A15SW (E)	1299	4	275980 189685
	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: Not Supplied Source: Surface Daily Rate (m3): 40914 Yearly Rate (m3): 14933610 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	A15SW (E)	1299	2	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: Process Water Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 40914 Yearly Rate (m3): 14933610 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	A15SW (E)	1299	2	275980 189690
	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): 0 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	A15SE (E)	1364	2	276054 189756

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 5 Location: Port Talbot Docks Port Talbot Authority: Natural Resources Wales Abstraction: Other Industrial/Commercial/Public Services: 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: Port Talbot Docks, Port Talbot Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1824	2	276230 188880
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 4 Location: Port Talbot Docks Port Talbot Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Port Talbot Docks, Port Talbot Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st May 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1824	4	276230 188880
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 4 Location: Port Talbot Docks Port Talbot Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: 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: Port Talbot Docks, Port Talbot Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st May 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1824	4	276230 188880
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: Not Supplied Location: Abstraction From Port Tallbot Dock Authority: Natural Resources Wales Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 49.68 Yearly Rate (m3): 8000 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	A10SE (SE)	1824	2	276230 188880

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 3 Location: Civil & Marine Slag Cement Ltd Quay At Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Civil & Marine Slag Cement Ltd Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th September 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1844	4	276240 188860
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 2 Location: Civil & Marine Slag Cement Ltd Quay At Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Civil & Marine Slag Cement Ltd Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1844	4	276240 188860
	Water Abstractions Operator: Civil & Marine Slag Cement Ltd Licence Number: 21/58/61/0042 Permit Version: 1 Location: Civil & Marine Slag Cement Ltd Quay At Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Civil & Marine Slag Cement Ltd Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1844	4	276240 188860
	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: No Data	A13NW (S)	0	2	274667 189868
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (S)	0	2	274667 189868
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (S)	0	2	274667 189868
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
22	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 697.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A9NE (SE)	968	5	275576 189476
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Baglan Brook - headwaters to conf with River Neath WaterBody ID: GB110058026350 Operational Catchment: Neath Management Catchment: Tawe to Cadoxton Catchment Name: Not Supplied	A13NW (N)	0	2	274667 189890
	Water Framework Directive - Groundwater Waterbody Name: Swansea Carboniferous Coal Measures Waterbody ID: GB41002G201000 URL Address: Not Available Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Good Year: 2023	A13NW (S)	0	2	274667 189868
23	**Water Framework Directive - Surface Waters** Class Code: Coastal Waterbody Name: Swansea Bay Waterbody ID: GB641008260000 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: Moderate Classification Year: 2023	A13SW (SW)	327	2	274413 189620
24	**Water Framework Directive - Surface Waters** Class Code: Transitional Waterbody Name: Afan Estuary Incl Docks Waterbody ID: GB541005800600 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: High Classification Year: 2023	A8SE (S)	778	2	274756 189066

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Licensed Waste Management Facilities (Locations)** Licence Number: EP3198FW Location: Baglan Way, Port Talbot, SA12 7BX Operator Name: Kier Facilities Services Limited Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Clinical Waste Transfer Station **Licence Status: Effective** Issued: 19th April 2023 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	A19SE (NE)	971	2	275501 190422
25	**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	A19SE (NE)	971	2	275501 190422
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	3	274667 189868
26	**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	A19SE (NE)	876	3	275400 190400
27	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13NE (NE)	106	-	274787 189934
28	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SW (E)	636	-	275285 189641
29	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A8SE (S)	717	-	274941 189173
30	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A8SE (S)	699	-	274791 189151
31	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	737	-	275051 190525
32	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A14SE (E)	738	-	275399 189657
33	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A19SW (NE)	744	-	275073 190520
34	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	784	-	275115 190542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NE (N)	817	-	274961 190653
36	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SE (NE)	824	-	275398 190312
37	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8SE (S)	824	-	274912 189050
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18NE (N)	830	-	274956 190668
39	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A18NE (N)	838	-	274980 190668
40	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SW (NE)	869	-	275341 190461
41	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	885	-	275265 190558
42	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SE (NE)	895	-	275484 190303
43	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (N)	896	-	274943 190743
44	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	906	-	275182 190645
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	911	-	275226 190621
46	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (N)	922	-	274823 190801
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	924	-	275144 190688
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NE (SE)	942	-	275553 189487
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	949	-	275227 190666
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NE (SE)	965	-	275574 189479
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	968	-	275057 190778
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NW (NE)	980	-	275059 190789
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NE (SE)	984	-	275532 189349
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19NE (NE)	992	-	275369 190608

Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**Control of Major Accident Hazards Sites (COMAH)** Name: Transco Plc Location: Aberavon Gas Works, Victoria Road, PORT TALBOT, West Glamorgan, SA13 1PN Reference: Not Supplied Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	982	6	275655 189670
56	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: Transco Location: Aberavon Gas Works, Victoria Road, PORT TALBOT, West Glamorgan, SA13 1PN **Status: Not Active** Positional Accuracy: Unknown	A14SE (E)	989	6	275660 189662
57	**Planning Hazardous Substance Consents** Name: British Gas Plc Location: Wales, Aberavon Gas Works, Victoria Road, PORT TALBOT, West Glamorgan, SA12 6DB Authority: Neath Port Talbot County Borough Council, Planning Department Application Ref: P2013/0135 Hazardous Substance: Unknown at time of report Maximum Quantity: 61.8 Application date: 27th November 1992 **Decision: Application revoked or cancelledCancelled** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	977	7	275650 189670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13NW (S)	0	1	274667 189868
	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	A13NW (S)	0	1	274667 189868
	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	A13SW (SW)	359	1	274384 189604
	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	A19SW (NE)	605	1	275186 190233
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: no data Chromium Concentration: 60 - 90 mg/kg Lead Concentration: no data Nickel Concentration: 30 - 45 mg/kg	A7NE (SW)	732	1	274000 189500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: no data Cadmium Concentration: <1.8 mg/kg Chromium Concentration: no data Lead Concentration: <100 mg/kg Nickel Concentration: no data	A7NE (SW)	751	1	274066 189371
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: no data Cadmium Concentration: <1.8 mg/kg Chromium Concentration: no data Lead Concentration: <100 mg/kg Nickel Concentration: no data	A7NW (SW)	769	1	273958 189500

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 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	A8SE (S)	900	1	275000 189000
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274760, 189790 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 14.70 mg/kg Cadmium Measured Concentration: 0.40 mg/kg Chromium Measured Concentration: 53.10 mg/kg Lead Measured Concentration: 113.80 mg/kg Nickel Measured Concentration: 26.10 mg/kg	A13SE (SE)	96	1	274760 189790
	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 Concentration: 18.40 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 62.90 mg/kg Lead Measured Concentration: 119.00 mg/kg Nickel Measured Concentration: 25.40 mg/kg	A18SE (N)	425	1	274780 190300
	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 Concentration: 13.90 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 54.30 mg/kg Lead Measured Concentration: 295.70 mg/kg Nickel Measured Concentration: 21.20 mg/kg	A17SE (NW)	522	1	274270 190250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 189270 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 23.70 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 53.10 mg/kg Lead Measured Concentration: 158.60 mg/kg Nickel Measured Concentration: 22.50 mg/kg	A8NE (S)	575	1	274750 189270

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: 275210, 190210 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 12.00 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 81.40 mg/kg Lead Measured Concentration: 41.50 mg/kg Nickel Measured Concentration: 16.80 mg/kg	A19SW (NE)	611	1	275210 190210
	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 Concentration: 35.40 mg/kg Cadmium Measured Concentration: 1.30 mg/kg Chromium Measured Concentration: 78.60 mg/kg Lead Measured Concentration: 234.60 mg/kg Nickel Measured Concentration: 37.10 mg/kg	A18NE (N)	878	1	274730 190770
	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 Concentration: 19.60 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 67.70 mg/kg Lead Measured Concentration: 179.50 mg/kg Nickel Measured Concentration: 24.00 mg/kg	A17NE (NW)	967	1	274220 190760
	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	A13NW (S)	0	1	274667 189868

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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.	A13NW (S)	0	8	274667 189868
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (S)	0	-	274667 189868
	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	A13NW (S)	0	1	274667 189868
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	105	1	274667 190000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	274667 189868
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	105	1	274667 190000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	274667 189868
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	105	1	274667 190000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	274667 189868
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	105	1	274667 190000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	274667 189868
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	105	1	274667 190000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	274667 189868
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	105	1	274667 190000
	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	A13NW (S)	0	1	274667 189868
	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	A13NW (S)	0	1	274667 189868

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	**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	A12NE (W)	409	-	274245 189958
58	**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	A12NE (W)	412	-	274242 189961
59	**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	A18SE (N)	497	-	274782 190375
60	**Contemporary Trade Directory Entries** Name: Port Talbot General Hospital Location: Hospital Road, Port Talbot, West Glamorgan, SA12 6PD Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	553	-	275247 189915
60	**Contemporary Trade Directory Entries** Name: Port Talbot General Hospital Location: Hospital Road, Port Talbot, West Glamorgan, SA12 6PD Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	553	-	275247 189915
61	**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	A18SE (N)	596	-	274740 190485
62	**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	A18SE (N)	599	-	274823 190469
63	**Contemporary Trade Directory Entries** Name: Cymru Industrial Supplies Ltd Location: Unit 47 Port Talbot Business Units,Addison Road, Port Talbot, West Glamorgan, SA12 6HZ Classification: Engineering Materials **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	602	-	275288 189986
64	**Contemporary Trade Directory Entries** Name: S P K Enterprises Location: 43, Addison Road, Port Talbot, West Glamorgan, SA12 6HZ Classification: Sports Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	613	-	275301 189975
64	**Contemporary Trade Directory Entries** Name: Carver Metals Location: B S C Workshops,Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	648	-	275339 189956
65	**Contemporary Trade Directory Entries** Name: Mydentist Victoria Road Port Talbot Location: 44, VICTORIA ROAD, SANDFIELDS, SA12 6AD Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	627	-	275252 189584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	**Contemporary Trade Directory Entries** Name: Cando Laundry Services Location: Unit 2, Addison Road, Port Talbot, SA12 6HZ Classification: Laundries & Launderettes **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	632	-	275312 190019
66	**Contemporary Trade Directory Entries** Name: Can Do Laundry Location: UNIT 2, ADDISON ROAD, PORT TALBOT, SA12 6HZ Classification: Laundries & Launderettes **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	632	-	275312 190019
66	**Contemporary Trade Directory Entries** Name: Select Joinery Manufacturers Location: Unit 1 B S I Workshops,Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	635	-	275324 189970
66	**Contemporary Trade Directory Entries** Name: K90 Raw & Hydro Location: Unit 24, Port Talbot Workshops, Addison Road, Port Talbot, West Glamorgan, SA12 6HZ Classification: Pet Foods & Animal Feeds **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	653	-	275338 189994
66	**Contemporary Trade Directory Entries** Name: Etyres - T Lang & Sons Ltd Location: Unit 3, Port Talbot, West Glamorgan, SA12 6HZ Classification: Tyre Dealers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	658	-	275331 190051
66	**Contemporary Trade Directory Entries** Name: S & E Engineering Location: Unit 27, Port Talbot Workshops, Addison Road, Port Talbot, SA12 6HZ Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	662	-	275350 189980
66	**Contemporary Trade Directory Entries** Name: Andreas H A A F Printers Location: Unit 18, Port Talbot Workshops, Addison Road, Port Talbot, West Glamorgan, SA12 6HZ Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	664	-	275347 190008
66	**Contemporary Trade Directory Entries** Name: Special Moments Ltd Location: Unit 19, Port Talbot Workshops, Addison Road, Port Talbot, West Glamorgan, SA12 6HZ Classification: Greeting Card Publishers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	677	-	275364 189985
66	**Contemporary Trade Directory Entries** Name: Test Fixture Supplies Location: Unit 16 Port Talbot Workshops,Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	682	-	275370 189982
66	**Contemporary Trade Directory Entries** Name: Copier Exchange Location: Unit 20,Addison Rd Workshops,Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Photocopiers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	690	-	275378 189982
66	**Contemporary Trade Directory Entries** Name: Green In Mind Location: Unit 20, Port Talbot Workshops, Addison Road, PORT TALBOT, West Glamorgan, SA12 6HZ Classification: Furniture - Repairing & Restoring **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	691	-	275378 189982

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66	**Contemporary Trade Directory Entries** Name: Pyramid Manufacturing Location: Unit 5,Port Talbot Workshops,Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	695	-	275378 190008
66	**Contemporary Trade Directory Entries** Name: Leo Assemblies Location: Unit 5, Port Talbot Workshops, Addison Road, PORT TALBOT, West Glamorgan, SA12 6HZ Classification: Transformer Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	695	-	275378 190009
67	**Contemporary Trade Directory Entries** Name: T Lang & Sons Ltd Location: Unit 3, Addison Road, Port Talbot, SA12 6HZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	656	-	275327 190057
67	**Contemporary Trade Directory Entries** Name: Fairfield Garage Location: Graham Davies House, Addison Road, Port Talbot, SA12 6HZ Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	656	-	275327 190057
68	**Contemporary Trade Directory Entries** Name: D J Engineering Location: B S C Workshops,Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	666	-	275359 189932
68	**Contemporary Trade Directory Entries** Name: E S Cleaning Services Location: 32, Maesgwyn Street, Port Talbot, West Glamorgan, SA12 6PF Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	677	-	275372 189892
68	**Contemporary Trade Directory Entries** Name: Active Automation Services Ltd Location: Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	681	-	275376 189904
68	**Contemporary Trade Directory Entries** Name: T Lang & Sons Aberavon Ltd Location: 29, Maesgwyn Street, Port Talbot, West Glamorgan, SA12 6PF Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	690	-	275385 189869
68	**Contemporary Trade Directory Entries** Name: All Seasons Manufacturing Ltd Location: Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	701	-	275396 189872
69	**Contemporary Trade Directory Entries** Name: Endless Green Group Ltd Location: UNIT 52, PORT TALBOT WORKSHOPS, ADDISON ROAD, SANDFIELDS, SA12 6HZ Classification: French Polishing **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	697	-	275387 189965
69	**Contemporary Trade Directory Entries** Name: Sparks Fire Protection Ltd Location: Unit 41, Port Talbot Workshops, Addison Road, Port Talbot, West Glamorgan, SA12 6HZ Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	700	-	275392 189954

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69	**Contemporary Trade Directory Entries** Name: Kindrace Ltd Location: Addison Road, Port Talbot, West Glamorgan, SA12 6HZ Classification: Transformer Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	706	-	275394 189987
69	**Contemporary Trade Directory Entries** Name: Sparks F P Ltd Location: Unit 9, Port Talbot Workshops, Addison Road, Port Talbot, SA12 6HZ Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	708	-	275395 189989
70	**Contemporary Trade Directory Entries** Name: Greenwood Plant Services Ltd Location: Addison Rd, Port Talbot, West Glamorgan, SA12 6HZ Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	732	-	275425 189824
71	**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	A19SW (NE)	738	-	275065 190519
71	**Contemporary Trade Directory Entries** Name: M H M Group Ltd Location: UNIT 3, BAGLAN INDUSTRIAL PARK, ABERAVON ROAD, ABERAVON, SA12 7DJ Classification: Generators - Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	738	-	275065 190519
72	**Contemporary Trade Directory Entries** Name: Stand Banner Location: Unit 46, Port Talbot Workshops, Addison Road, Port Talbot, SA12 6HZ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	738	-	275430 189947
72	**Contemporary Trade Directory Entries** Name: Cymru Industrial Supplies Ltd Location: Unit 47, Port Talbot Workshops, Addison Road, Port Talbot, SA12 6HZ Classification: Hose, Tubing & Fittings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	743	-	275436 189941
72	**Contemporary Trade Directory Entries** Name: Just M O T Location: Unit 48 Port Talbot Workshops,Addison Road, Port Talbot, West Glamorgan, SA12 6HZ Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	749	-	275442 189935
72	**Contemporary Trade Directory Entries** Name: Paul'S M O T Centre Location: Unit 48, Port Talbot Workshops, Addison Road, Sandfields, SA12 6HZ Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	749	-	275442 189935
73	**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: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	744	-	275294 190321
74	**Contemporary Trade Directory Entries** Name: S A 12 Ironing Location: 13, Mariners Quay, Port Talbot, West Glamorgan, SA12 6AN Classification: Ironing & Home Laundry Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	751	-	274873 189115

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75	**Contemporary Trade Directory Entries** Name: A Class Caravan Services Location: 10, Stair Street, Port Talbot, West Glamorgan, SA12 6BJ Classification: Caravans - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	754	-	275435 190028
75	**Contemporary Trade Directory Entries** Name: Akins Garage & Autocare Location: Frederick Street, Port Talbot, West Glamorgan, SA12 6BX Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	788	-	275474 190002
76	**Contemporary Trade Directory Entries** Name: Afan Tyre Discount Centre Ltd Location: Aberavon Gas Works Estate, Victoria Road, Port Talbot, West Glamorgan, SA12 6DB Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	761	-	275429 189678
76	**Contemporary Trade Directory Entries** Name: Filtration & Separation Ltd Location: Unit 9, Aberavon Gas Works Estate, Victoria Road, Port Talbot, West Glamorgan, SA12 6DB Classification: Filter Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A14SE (E)	803	-	275472 189676
77	**Contemporary Trade Directory Entries** Name: Puncture- Shield Location: 2, Webb Place, Port Talbot, West Glamorgan, SA12 6AG Classification: Tyre Repairs & Retreading **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	800	-	275341 189392
78	**Contemporary Trade Directory Entries** Name: Quay Engineering Service Ltd Location: 4, Sitwell Way, Port Talbot, West Glamorgan, SA12 6BL Classification: Metal Products - Fabricated **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	809	-	275252 189270
79	**Contemporary Trade Directory Entries** Name: Talbot Flyers Location: 5, Station Terrace, Port Talbot, West Glamorgan, SA12 6BZ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	810	-	275503 189948
80	**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	A18NE (N)	821	-	274711 190714
81	**Contemporary Trade Directory Entries** Name: J D Marine & Sons Location: 58, Mariners Quay, Port Talbot, SA12 6AN Classification: Marine Engineering Equipment Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	840	-	275021 189074
82	**Contemporary Trade Directory Entries** Name: Chroma Domestic Cleaning Services Location: 22, Sitwell Way, Port Talbot, SA12 6BL Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	844	-	275204 189181
83	**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	A19NW (NE)	846	-	275036 190654

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84	**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: Active** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	874	-	275095 190657
85	**Contemporary Trade Directory Entries** Name: Componant 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	A18NE (N)	887	-	274966 190725
85	**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	A18NE (N)	887	-	274966 190725
86	**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	A18NE (N)	910	-	274984 190743
86	**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	A18NE (N)	910	-	274984 190743
86	**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	A18NE (N)	910	-	274984 190743
86	**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	A19NW (N)	947	-	275024 190768
86	**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	A19NW (N)	947	-	275024 190768
87	**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	A18NE (N)	910	-	274909 190768
87	**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	A18NE (N)	926	-	274921 190781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**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	A18NE (N)	926	-	274921 190781
87	**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	A18NE (N)	926	-	274921 190781
87	**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	A18NE (N)	926	-	274921 190781
87	**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	A18NE (N)	943	-	274935 190795
87	**Contemporary Trade Directory Entries** Name: Screwfix Port Talbot Location: UNIT 24, BAGLAN INDUSTRIAL PARK, ABERAVON ROAD, ABERAVON, SA12 7DJ Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	957	-	274945 190806
87	**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	A18NE (N)	957	-	274947 190806
88	**Contemporary Trade Directory Entries** Name: Neath General Hospital Location: Baglan Way, Port Talbot, West Glamorgan, SA12 7BX Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	275402 190466
88	**Contemporary Trade Directory Entries** Name: Neath General Hospital Location: BAGLAN WAY, ABERAVON, SA12 7BX Classification: Hospitals **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	275402 190466
88	**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	A19SE (NE)	918	-	275402 190466
89	**Contemporary Trade Directory Entries** Name: Halfords Store Port Talbot Location: UNIT 2, BAGLAN BAY RETAIL PARK, CHRISTCHURCH ROAD, ABERAVON, SA12 7BZ Classification: Cycle Accessories, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	955	-	274787 190840
90	**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	A18NW (N)	956	-	274360 190805

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	**Contemporary Trade Directory Entries** Name: Boat Bits Location: 1, Glyn Street, Port Talbot, West Glamorgan, SA12 6NF Classification: Chandlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	959	-	275654 189850
91	**Contemporary Trade Directory Entries** Name: Celtic Leather & Fabric Upholstery Ltd Location: 1, Henshaw Street, Port Talbot, West Glamorgan, SA12 6NH Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (E)	991	-	275685 189843
91	**Contemporary Trade Directory Entries** Name: Universal Heat Transfer Ltd Location: 3, Henshaw Street, Port Talbot, West Glamorgan, SA12 6NH Classification: Heat Exchangers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (E)	993	-	275687 189837
91	**Contemporary Trade Directory Entries** Name: Port Talbot Exhaust & Service Centre Location: 5, Henshaw Street, Port Talbot, West Glamorgan, SA12 6NH Classification: Exhaust & Shock Absorber Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (E)	994	-	275688 189831
92	**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	A19NW (NE)	961	-	275136 190734
93	**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	A18NW (N)	970	-	274558 190860
94	**Contemporary Trade Directory Entries** Name: Hitachi Construction Machinery (Uk) Location: UNIT 23, BAGLAN INDUSTRIAL PARK, ABERAVON ROAD, ABERAVON, SA12 7DJ Classification: Machinery - Industrial & Commercial **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	970	-	274960 190815
95	**Contemporary Trade Directory Entries** Name: Fairfield Garage Location: 63, Sandfields Road, Port Talbot, West Glamorgan, SA12 6LR Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	971	-	275642 190096
96	**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	A18NE (N)	974	-	274892 190839
96	**Contemporary Trade Directory Entries** Name: K E Supplies Location: Unit 31, Aberavon Road, Baglan Industrial Park, Port Talbot, SA12 7DJ Classification: Cleaning Materials & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	992	-	274908 190853
97	**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	A18NW (N)	995	-	274380 190852

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	**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	A12NE (W)	411	-	274243 189960
99	**Fuel Station Entries** Name: Fairfield Garage Proteus Location: 63, Sandifields Road , , Port Talbot, Neath Port Talbot, SA12 6LR Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A14NE (E)	971	-	275642 190096
100	**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	A13NE (E)	257	9	274948 189927
101	**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	A12NE (W)	411	9	274243 189960
101	**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	A12NE (W)	411	9	274243 189960
102	**Points of Interest - Commercial Services** Name: Fairfield Garage Location: Graham Davies House, Addison Road, Port Talbot, SA12 6HZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	652	9	275326 190046
102	**Points of Interest - Commercial Services** Name: T Lang & Sons Ltd Location: Unit 3, Addison Road, Port Talbot, SA12 6HZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	656	9	275327 190057
102	**Points of Interest - Commercial Services** Name: T Lang & Sons Ltd T/A Fairfield Garage Location: Unit 3, Addison Road, Port Talbot, SA12 6HZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	689	9	275371 190016
103	**Points of Interest - Commercial Services** Name: T Lang & Sons Aberavon Ltd Location: 29 Maesgwyn Street, Port Talbot, SA12 6PF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	690	9	275385 189869
103	**Points of Interest - Commercial Services** Name: Just M O T Location: Unit 48, Port Talbot Workshops, Addison Road, Sandfields, SA12 6HZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	749	9	275442 189935
103	**Points of Interest - Commercial Services** Name: Paul's M O T Centre Location: Unit 48 Port Talbot Workshops, Addison Road, Port Talbot, SA12 6HZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	749	9	275442 189935

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	**Points of Interest - Commercial Services** Name: Akins Garage & Autocare Location: Frederick Street, Port Talbot, SA12 6BX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	788	9	275474 190002
103	**Points of Interest - Commercial Services** Name: Talbot Flyers Location: 5 Station Terrace, Port Talbot, SA12 6BZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	809	9	275502 189947
104	**Points of Interest - Commercial Services** Name: Fairfield Garage Location: 63 Sandfields Road, Port Talbot, SA12 6LR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	971	9	275642 190096
105	**Points of Interest - Education and Health** Name: Port Talbot General Hospital Location: Hospital Road, Port Talbot, SA12 6PD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A14NW (E)	553	9	275247 189915
106	**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	A19SE (NE)	918	9	275402 190466
106	**Points of Interest - Education and Health** Name: Neath Port Talbot Hospital Location: Baglan Way, Aberavon, SA12 7BX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A19SE (NE)	918	9	275402 190466
106	**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	A19SE (NE)	918	9	275402 190466
106	**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	A19SE (NE)	918	9	275402 190466
106	**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	A19SE (NE)	918	9	275402 190466
106	**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	A19SE (NE)	918	9	275402 190466
106	**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	A19SE (NE)	924	9	275395 190484
106	**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	A19NE (NE)	976	9	275411 190544

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	**Points of Interest - Manufacturing and Production** Name: Port Talbot Workshops Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	710	9	275403 189943
108	**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	A18NE (N)	831	9	274736 190722
108	**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	A18NE (N)	837	9	274743 190727
109	**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	A14SE (E)	844	9	275531 189761
109	**Points of Interest - Manufacturing and Production** Name: Power Station Location: SA12 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	887	9	275565 189704
110	**Points of Interest - Manufacturing and Production** Name: Factory Location: SA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	845	9	275156 190588
111	**Points of Interest - Manufacturing and Production** Name: Factory Location: SA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	935	9	275182 190678
111	**Points of Interest - Manufacturing and Production** Name: Factory Location: SA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	962	9	275132 190737
111	**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	A19NW (NE)	980	9	275138 190754
112	**Points of Interest - Public Infrastructure** Name: 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	A12NE (W)	407	9	274245 189952
112	**Points of Interest - Public Infrastructure** Name: Texaco Location: Petrol Filling Station, Western Avenue, Sandfields, SA12 7PE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (W)	407	9	274245 189951
112	**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	A12NE (W)	411	9	274243 189960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	**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	A12NE (W)	413	9	274242 189965
113	**Points of Interest - Public Infrastructure** Name: Mortuary Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	553	9	275239 189981
114	**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	A18NW (N)	705	9	274421 190561
114	**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	A18NW (N)	706	9	274420 190562
115	**Points of Interest - Public Infrastructure** Name: Outfall Location: SA12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	971	9	275607 189547
115	**Points of Interest - Public Infrastructure** Name: Outfall Location: SA12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	982	9	275635 189593
115	**Points of Interest - Public Infrastructure** Name: Outfall Location: SA12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	986	9	275639 189593
116	**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	A13NW (NW)	285	9	274387 189997
116	**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	A13NW (NW)	287	9	274382 189991
117	**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	A13NE (E)	294	9	274978 189962
117	**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	A13NE (E)	294	9	274978 189960
117	**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	A14NW (E)	327	9	275011 189965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	**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	A12NW (W)	703	9	273988 190123
118	**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	A12NW (NW)	772	9	273938 190187
119	**Points of Interest - Recreational and Environmental** Name: Skateboard Park Location: The Princess Margaret Way (Ffordd Y Dywysoges Margared), SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17SW (NW)	860	9	273868 190247
120	**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	A9NE (SE)	888	9	275386 189304

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Natural Resources Wales	November 2023	Annually
Neath Port Talbot County Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
City and County of Swansea - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Welsh Region	August 2014	Quarterly
Natural Resources Wales	January 2025	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		
Natural Resources Wales	January 2025	Quarterly
Environment Agency - Welsh Region	July 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Swansea Bay Port Health Authority	April 2014	Variable
City and County of Swansea - Environmental Health Department	December 2020	Variable
Neath Port Talbot County Borough Council - Environmental Health Department	March 2014	Variable
Local Authority Pollution Prevention and Controls		
Swansea Bay Port Health Authority	April 2014	Annually
City and County of Swansea - Environmental Health Department	December 2020	Annual Rolling Update
Neath Port Talbot County Borough Council - Environmental Health Department	March 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Swansea Bay Port Health Authority	April 2014	Variable
City and County of Swansea - Environmental Health Department	June 2014	Variable
Neath Port Talbot County Borough Council - Environmental Health Department	March 2015	Variable
Nearest Surface Water Feature		
Ordnance Survey	January 2025	
Pollution Incidents to Controlled Waters		
Environment Agency - Welsh Region	December 1998	
Historical Prosecutions		
Environment Agency, Welsh Region	March 2013	Not Applicable
Natural Resources Wales	March 2013	Not Applicable
Registered Radioactive Substances		
Natural Resources Wales	January 2015	
Environment Agency - Welsh Region	June 2016	
Substantiated Pollution Incident Register		
Natural Resources Wales	December 2024	Quarterly
Environment Agency Wales - South West Area	January 2021	Quarterly
Water Abstractions		
Natural Resources Wales	February 2025	Quarterly
Environment Agency - Welsh Region	October 2024	Quarterly
Water Industry Act Referrals		
Environment Agency - Welsh Region	October 2017	
Natural Resources Wales	October 2022	
Groundwater Vulnerability Map		
Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations		
Natural Resources Wales	January 2018	As notified
Superficial Aquifer Designations		
Natural Resources Wales	January 2018	As notified

Data Currency

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Natural Resources Wales	July 2022	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
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	
OS Water Network Lines Ordnance Survey	January 2025	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	As notified
Water Framework Directive - Catchment Natural Resources Wales	July 2024	Annually
Water Framework Directive - Groundwater Natural Resources Wales	July 2024	Annually
Water Framework Directive - Surface Waters Natural Resources Wales	November 2024	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Natural Resources Wales	March 2023	As notified
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Natural Resources Wales	August 2024	Quarterly
Environment Agency Wales - South West Area	January 2023	Quarterly
Licensed Waste Management Facilities (Locations)		
Natural Resources Wales	January 2025	Quarterly
Environment Agency Wales - South West Area	July 2024	Quarterly
Local Authority Landfill Coverage		
City and County of Swansea - Environmental Health Department	February 2003	Not Applicable
Neath Port Talbot County Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
City and County of Swansea - Environmental Health Department	October 2018	
Neath Port Talbot County Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
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	September 2024	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
City and County of Swansea - Planning Department	June 2023	Variable
Neath Port Talbot County Borough Council - Planning Department	October 2015	Variable
Planning Hazardous Substance Consents		
City and County of Swansea - Planning Department	January 2016	Variable
Neath Port Talbot County Borough Council - Planning Department	October 2015	Variable

Data Currency

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	December 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	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	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	December 2024	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	December 2024	Quarterly
Points of Interest - Commercial Services PointX	March 2025	Quarterly
Points of Interest - Education and Health PointX	March 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2025	Quarterly
Points of Interest - Public Infrastructure PointX	March 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural Resources Wales	October 2024	Bi-Annually
Areas of Adopted Green Belt		
City and County of Swansea	July 2024	Quarterly
Neath Port Talbot County Borough Council - Planning Services	July 2024	Quarterly
Areas of Unadopted Green Belt		
City and County of Swansea	July 2024	Quarterly
Neath Port Talbot County Borough Council - Planning Services	July 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural Resources Wales	November 2024	Bi-Annually
Environmentally Sensitive Areas		
The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
City and County of Swansea	February 2025	Bi-Annually
Neath Port Talbot County Borough Council	February 2025	Bi-Annually
Marine Nature Reserves		
Natural Resources Wales	February 2025	Bi-Annually
National Nature Reserves		
Natural Resources Wales	January 2025	Bi-Annually
National Parks		
Natural Resources Wales	September 2024	Annually
Nitrate Vulnerable Zones		
The National Assembly for Wales - GI Services (Department of Planning & Countryside)	April 2016	
Natural Resources Wales	November 2024	Annually
Ramsar Sites		
Natural Resources Wales	February 2025	Bi-Annually
Sites of Special Scientific Interest		
Natural Resources Wales	November 2024	Bi-Annually
Special Areas of Conservation		
Natural Resources Wales	February 2025	Bi-Annually
Special Protection Areas		
Natural Resources Wales	November 2024	Bi-Annually

Data Suppliers

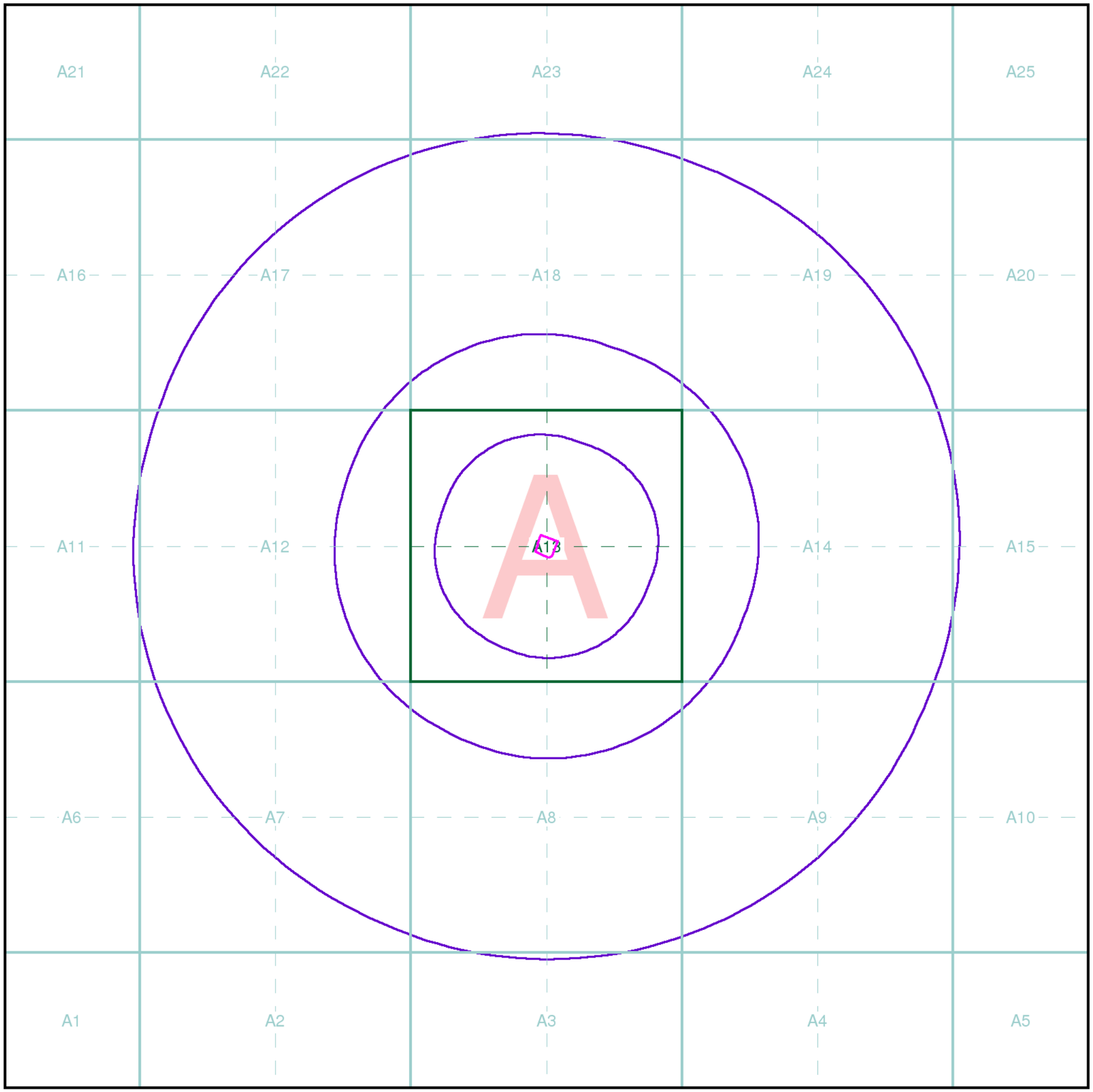
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

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	**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
4	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
6	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	**Neath Port Talbot County Borough Council - Planning Department** Port Talbot Civic Centre, Port Talbot, SA13 1PJ	Telephone: 01639 763333 Fax: 01639 763444 Website: www.neath-porttalbot.gov.uk
8	**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
9	**PointX** 5-6 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** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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



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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:

Map data

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Cyfoeth Naturiol Cymru
Natural Resources Wales

Envirocheck reports are compiled from 136 different sources of data.

Client Details
Mr M Lake, TFW Group Ltd, 5 Deryn Court, Wharfdale Road, Pentwyn, Cardiff, CF23 7HB

Order Details

Order Number:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Site Area (Ha):	0.21
Search Buffer (m):	1000

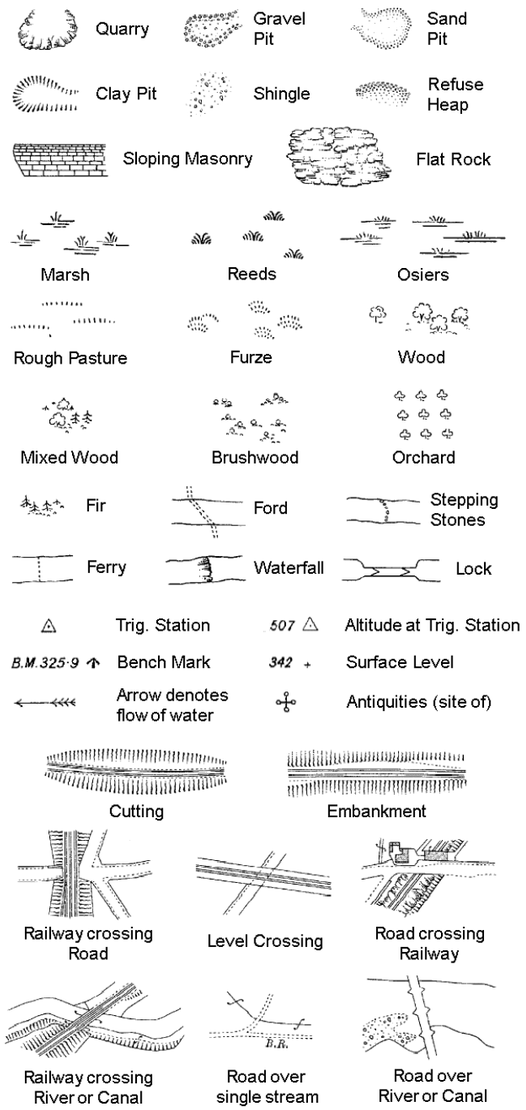
Site Details
The Red Dragon, Moorland Road, PORT TALBOT, SA12 6JZ

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

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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

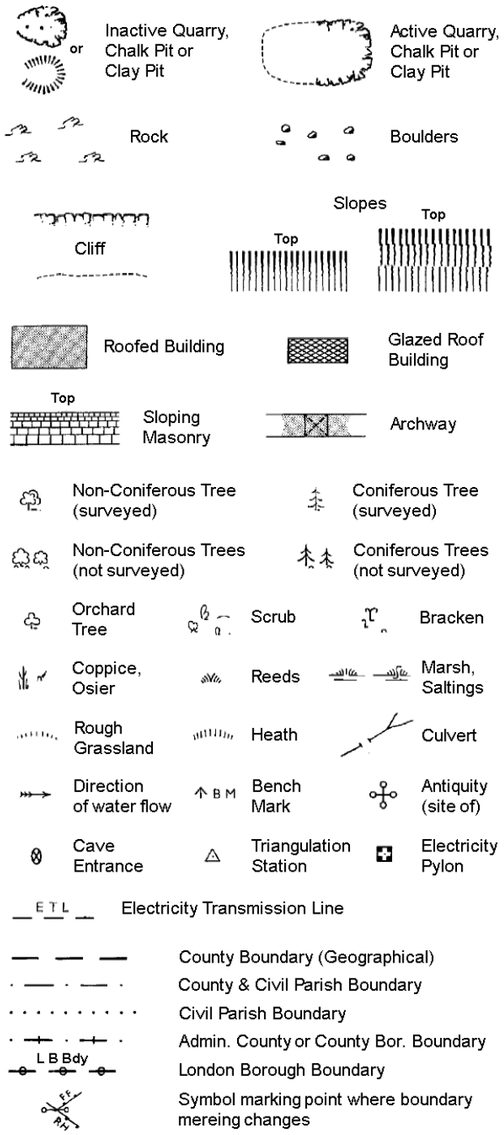
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

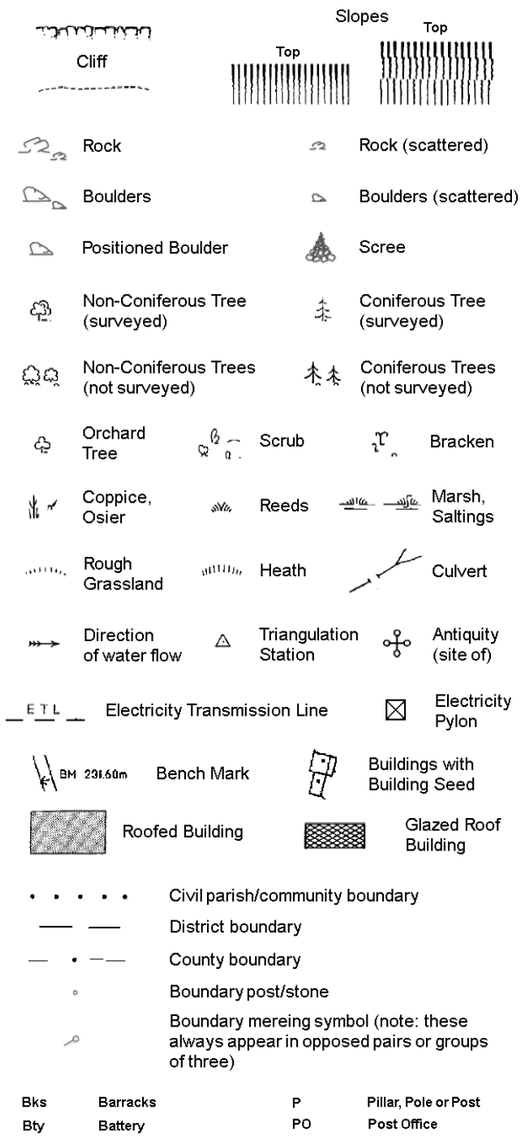
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

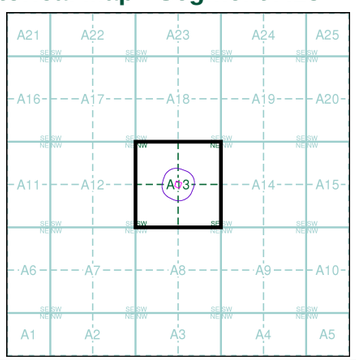
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1876	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1917	4
Glamorganshire	1:2,500	1939	5
Ordnance Survey Plan	1:1,250	1952 - 1957	6
Ordnance Survey Plan	1:2,500	1952 - 1958	7
Ordnance Survey Plan	1:1,250	1960 - 1967	8
Ordnance Survey Plan	1:1,250	1966 - 1976	9
Additional SIMs	1:1,250	1966 - 1986	10
Ordnance Survey Plan	1:2,500	1969	11
Ordnance Survey Plan	1:1,250	1972	12
Additional SIMs	1:1,250	1991	13
Large-Scale National Grid Data	1:1,250	1993	14
Large-Scale National Grid Data	1:1,250	1993	15
Historical Aerial Photography	1:2,500	2001	16

Historical Map - Segment A13



Order Details

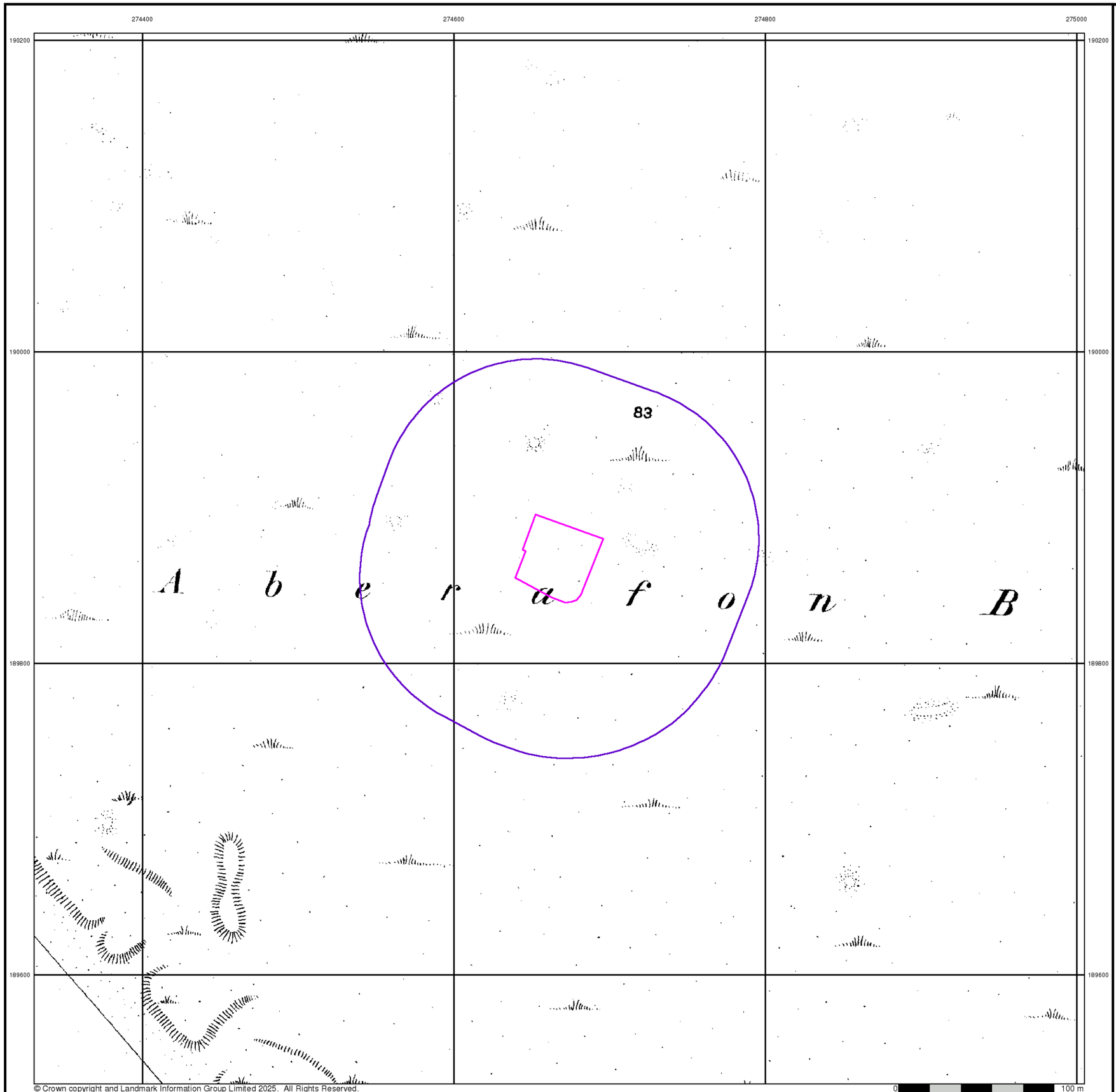
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National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	100

Site Details

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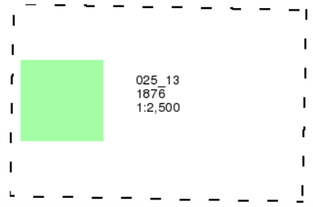
Glamorganshire

Published 1876

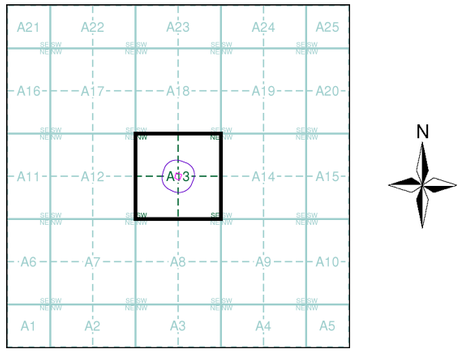
Source map scale - 1:2,500

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



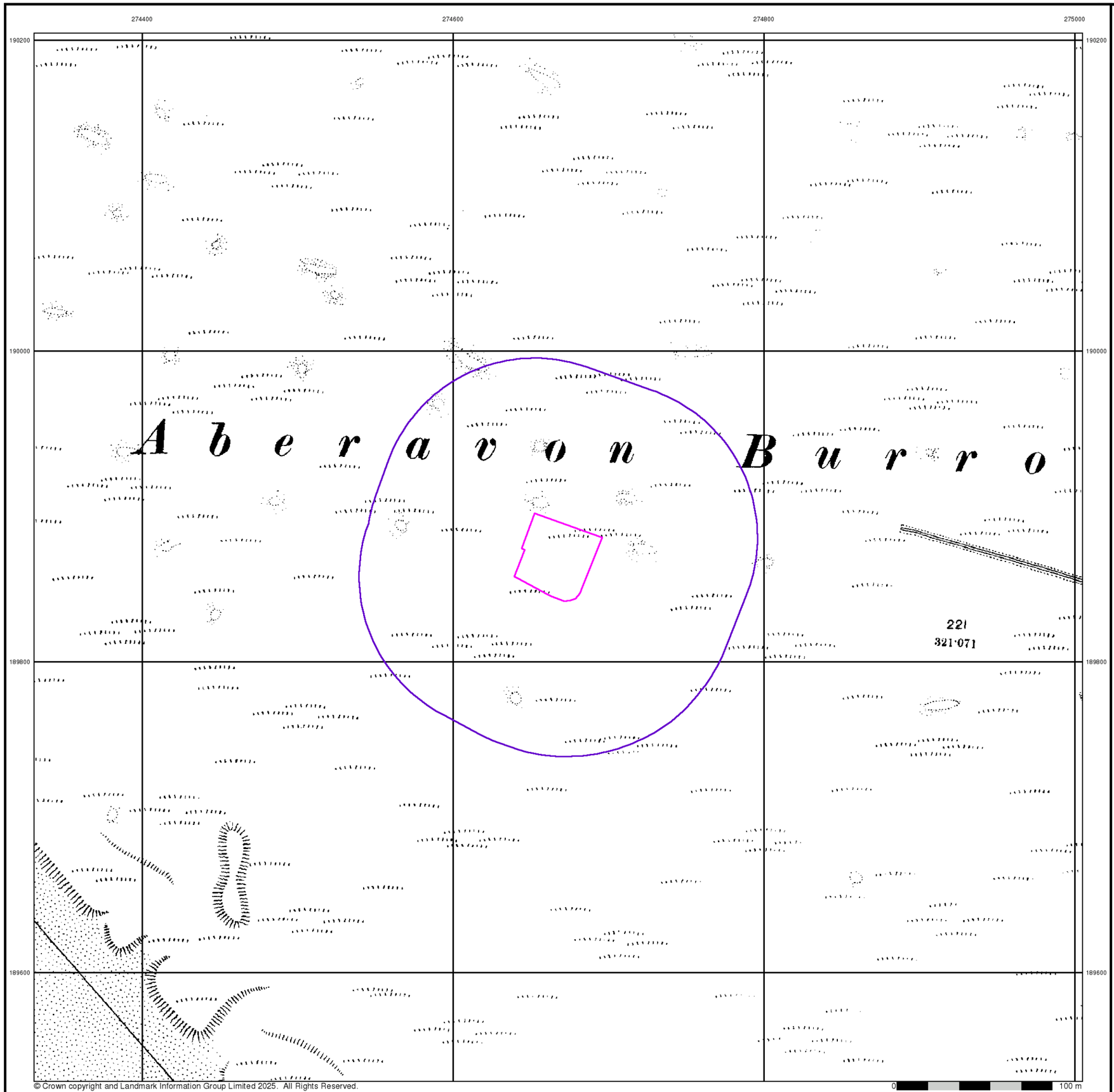
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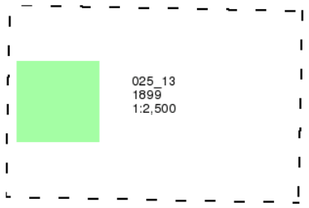
Glamorganshire

Published 1899

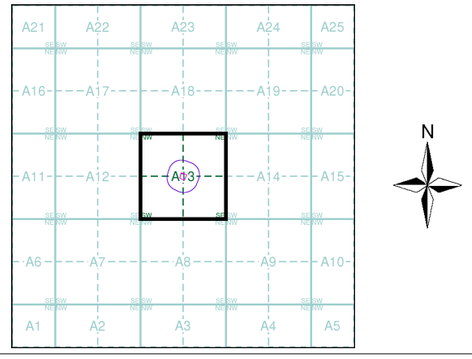
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Map Name(s) and Date(s)



Historical Map - Segment A13



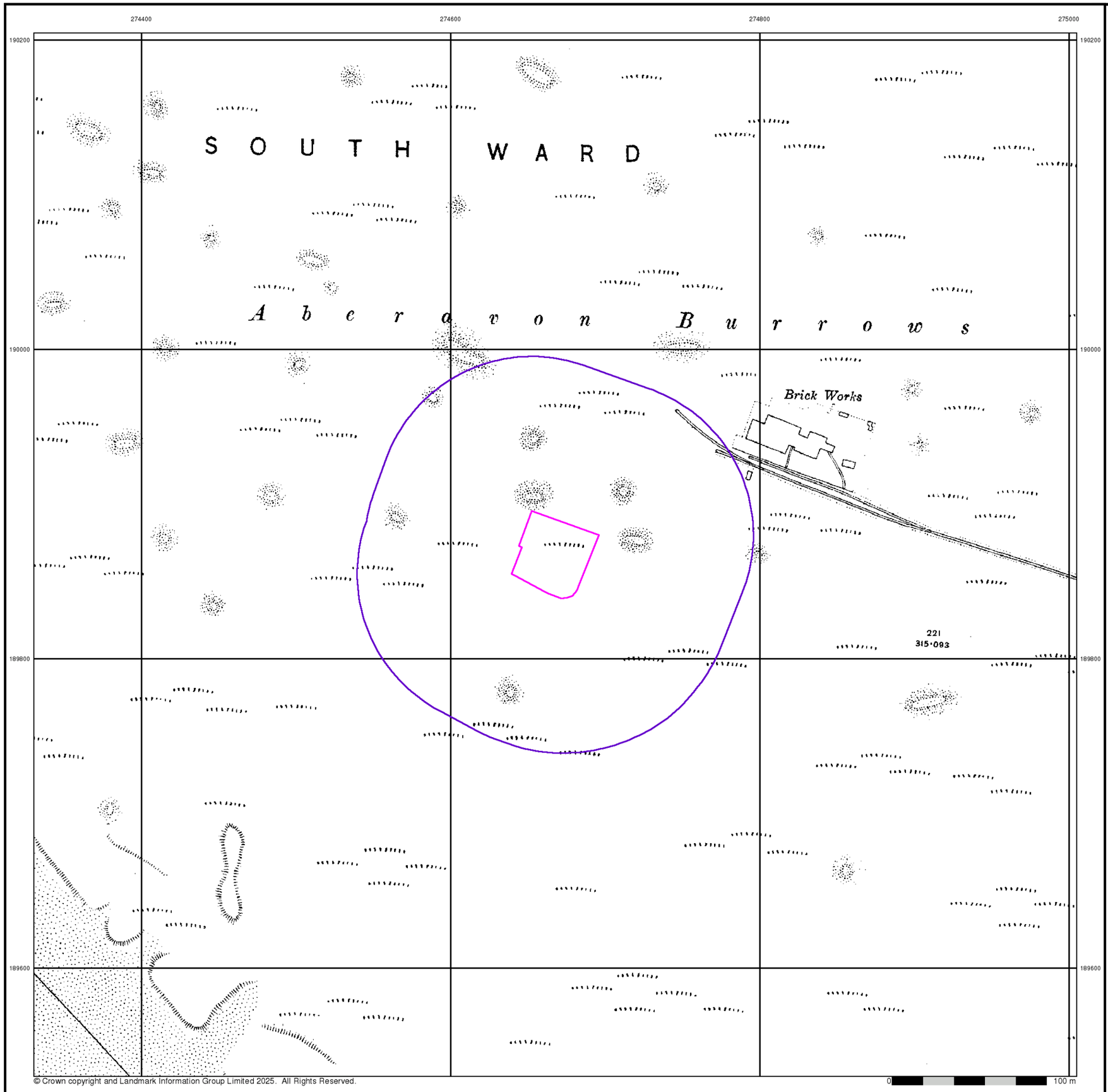
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National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	100

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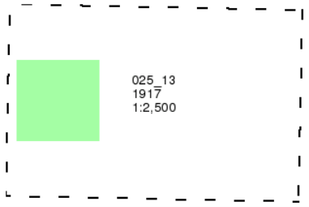
Glamorganshire

Published 1917

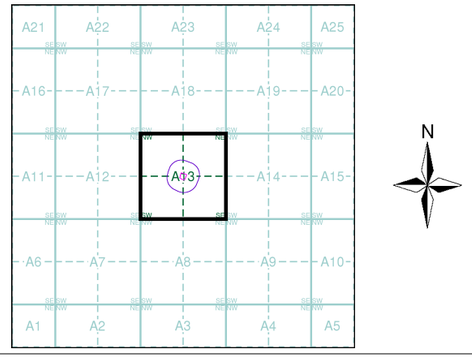
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Map Name(s) and Date(s)



Historical Map - Segment A13



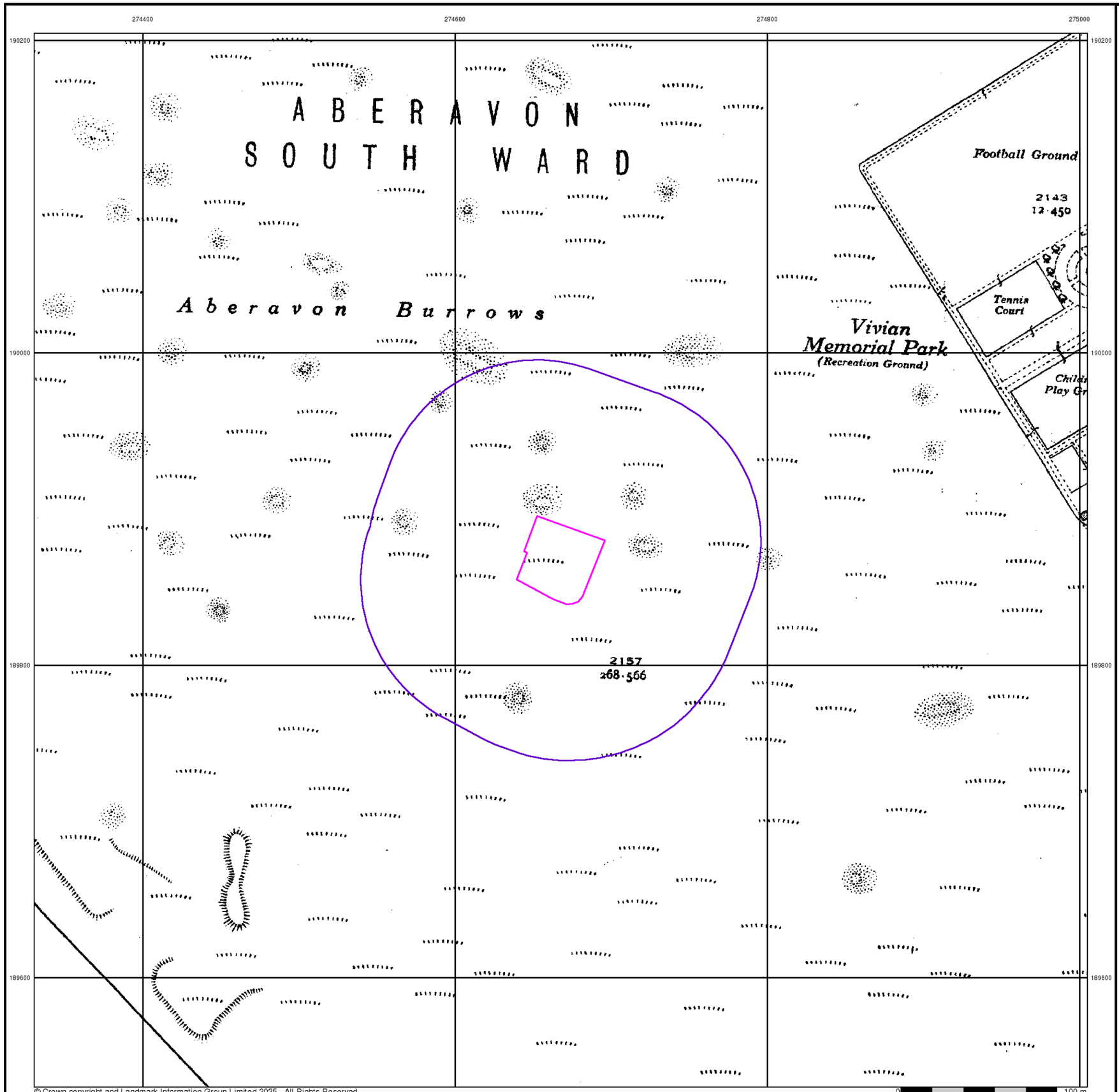
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Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	100

Site Details

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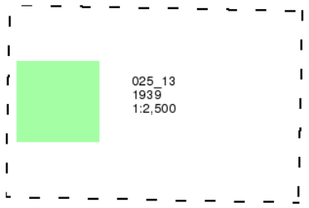
Glamorganshire

Published 1939

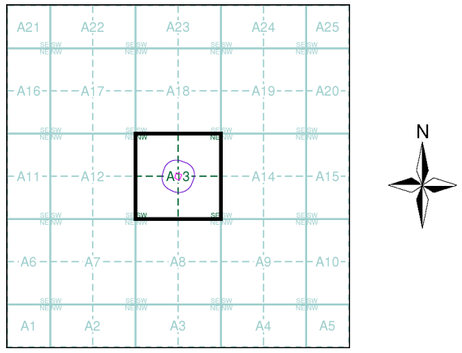
Source map scale - 1:2,500

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)



Historical Map - Segment A13



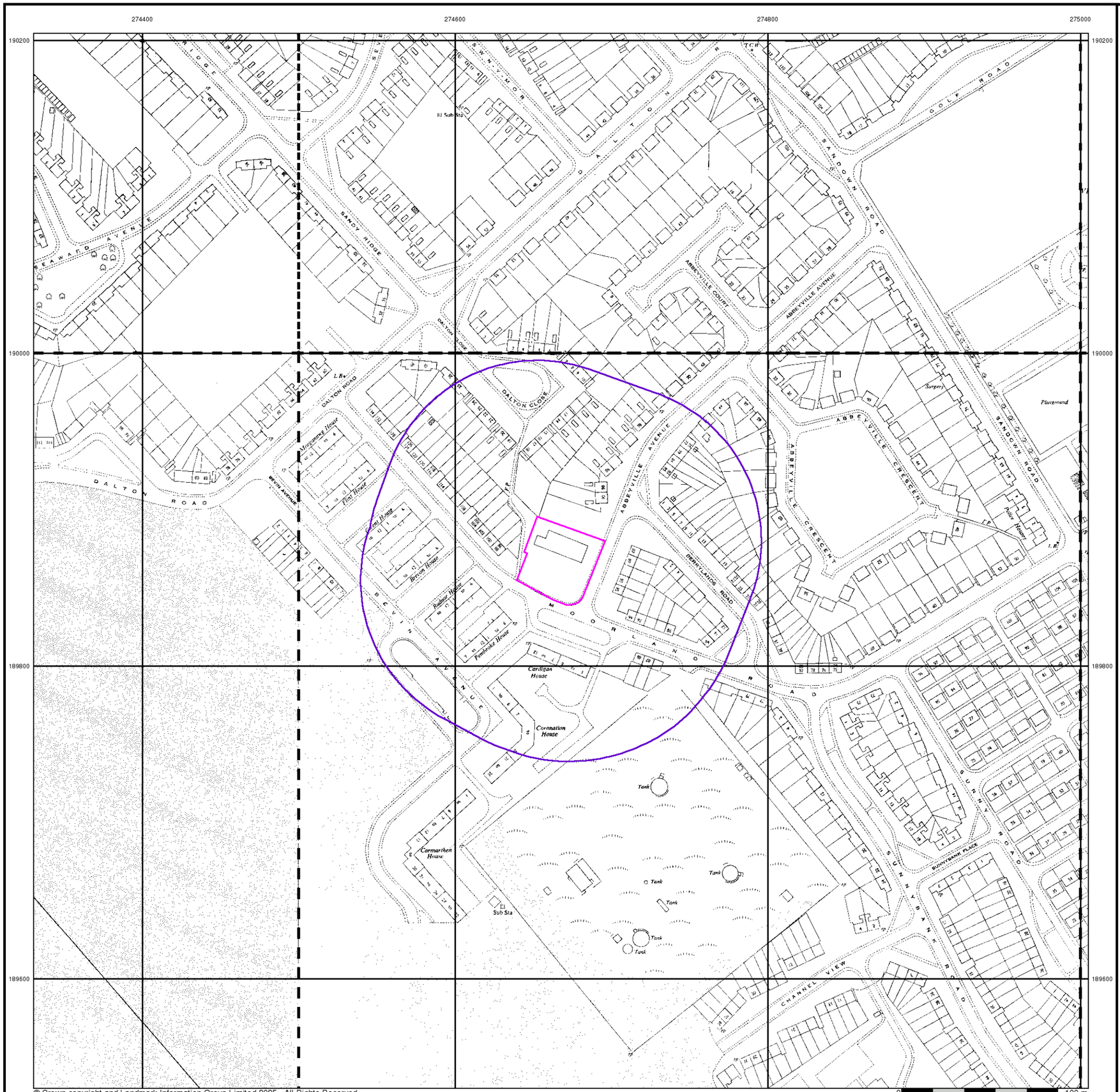
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Site Area (Ha):	0.21
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Site Details

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Ordnance Survey Plan

Published 1952 - 1957

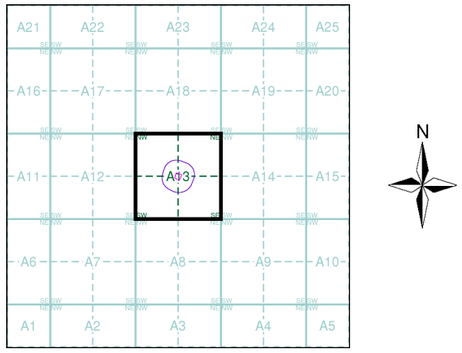
Source map scale - 1:1,250

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Map Name(s) and Date(s)

SS7490SW 1957 1:1,250	SS7490SE 1957 1:1,250	SS7590SW 1952 1:1,250
SS7489NW 1956 1:1,250	SS7489NE 1956 1:1,250	SS7589NW 1952 1:1,250

Historical Map - Segment A13



Order Details

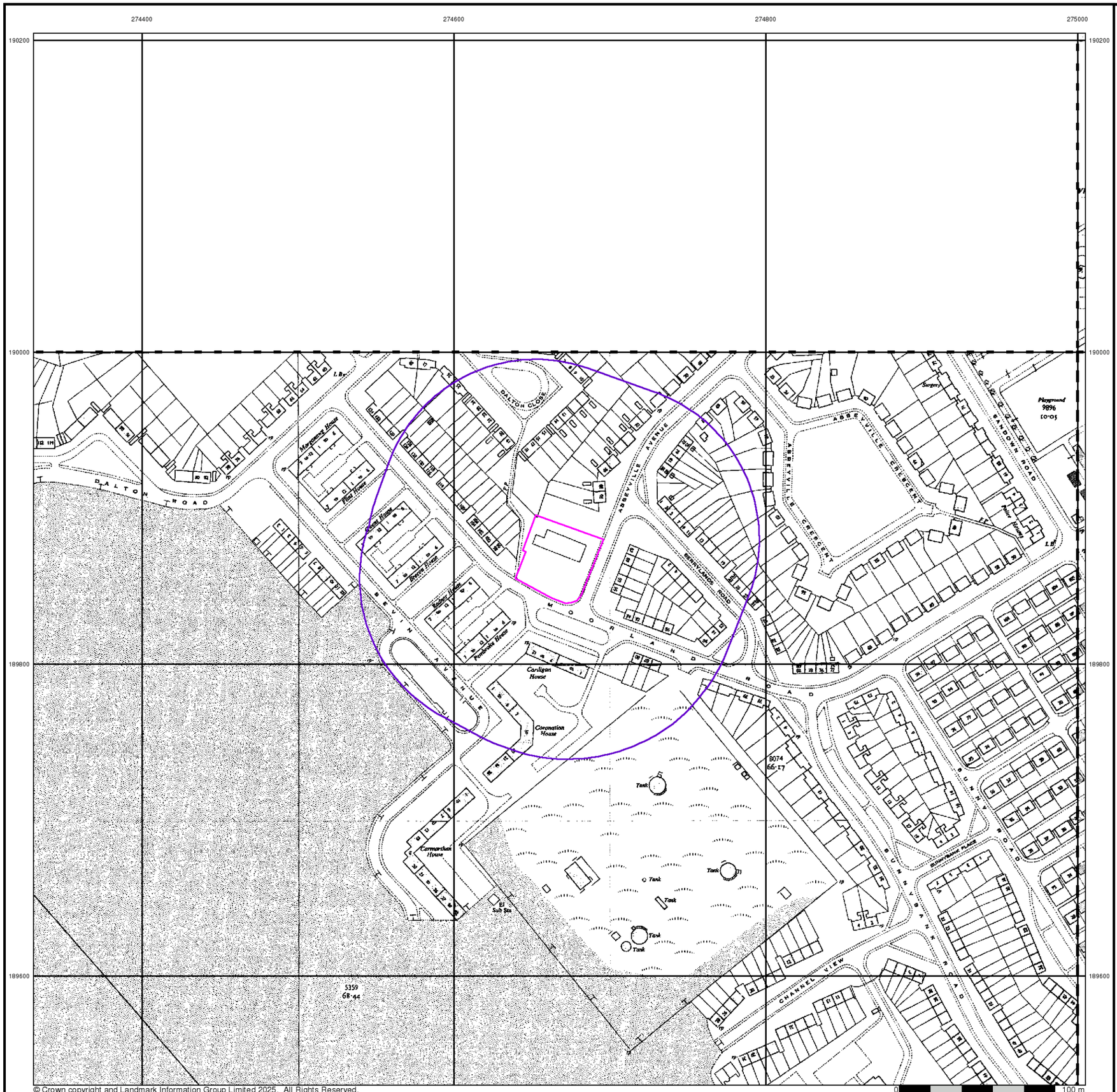
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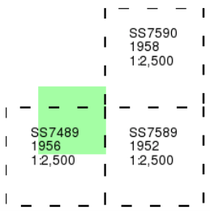
Ordnance Survey Plan

Published 1952 - 1958

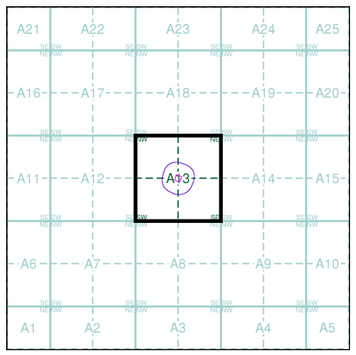
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

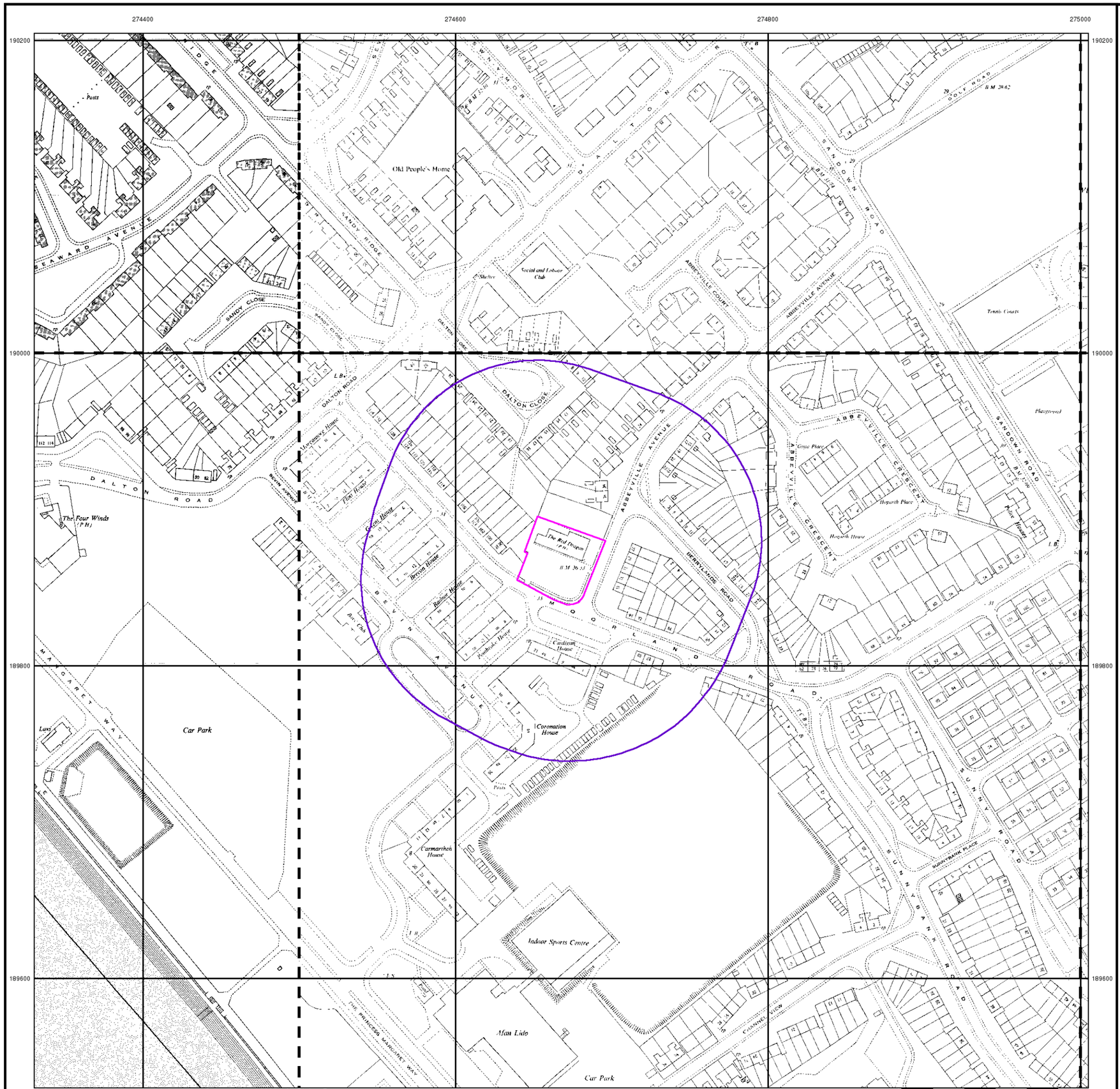
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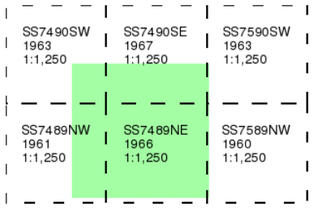
Ordnance Survey Plan

Published 1960 - 1967

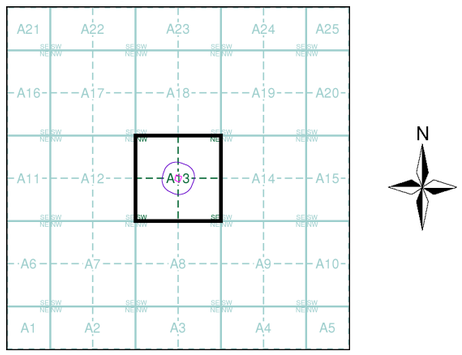
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

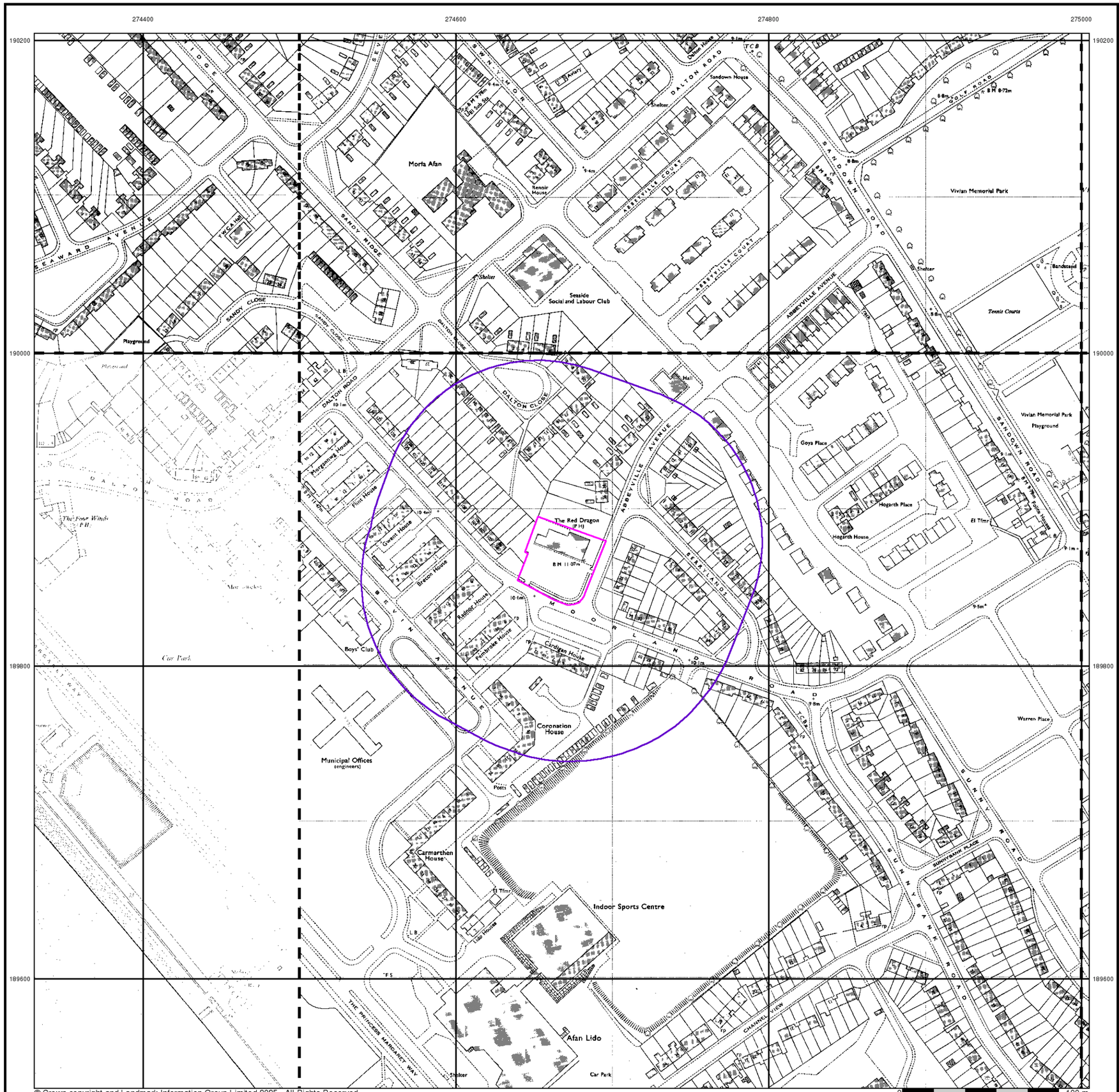
Order Number:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	100

Site Details

The Red Dragon, Moorland Road, PORT TALBOT, SA12 6JZ

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Ordnance Survey Plan

Published 1966 - 1976

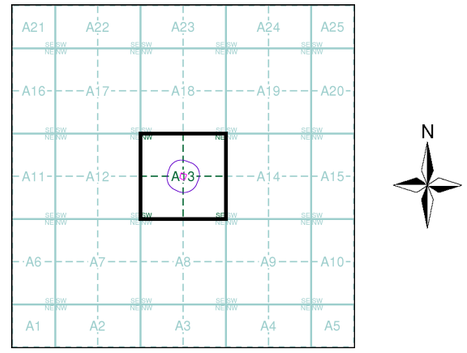
Source map scale - 1:1,250

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)

SS7490SW 1976 1:1,250	SS7490SE 1970 1:1,250	SS7590SW 1967 1:1,250
SS7489NW 1966 1:1,250	SS7489NE 1971 1:1,250	SS7589NW 1968 1:1,250

Historical Map - Segment A13



Order Details

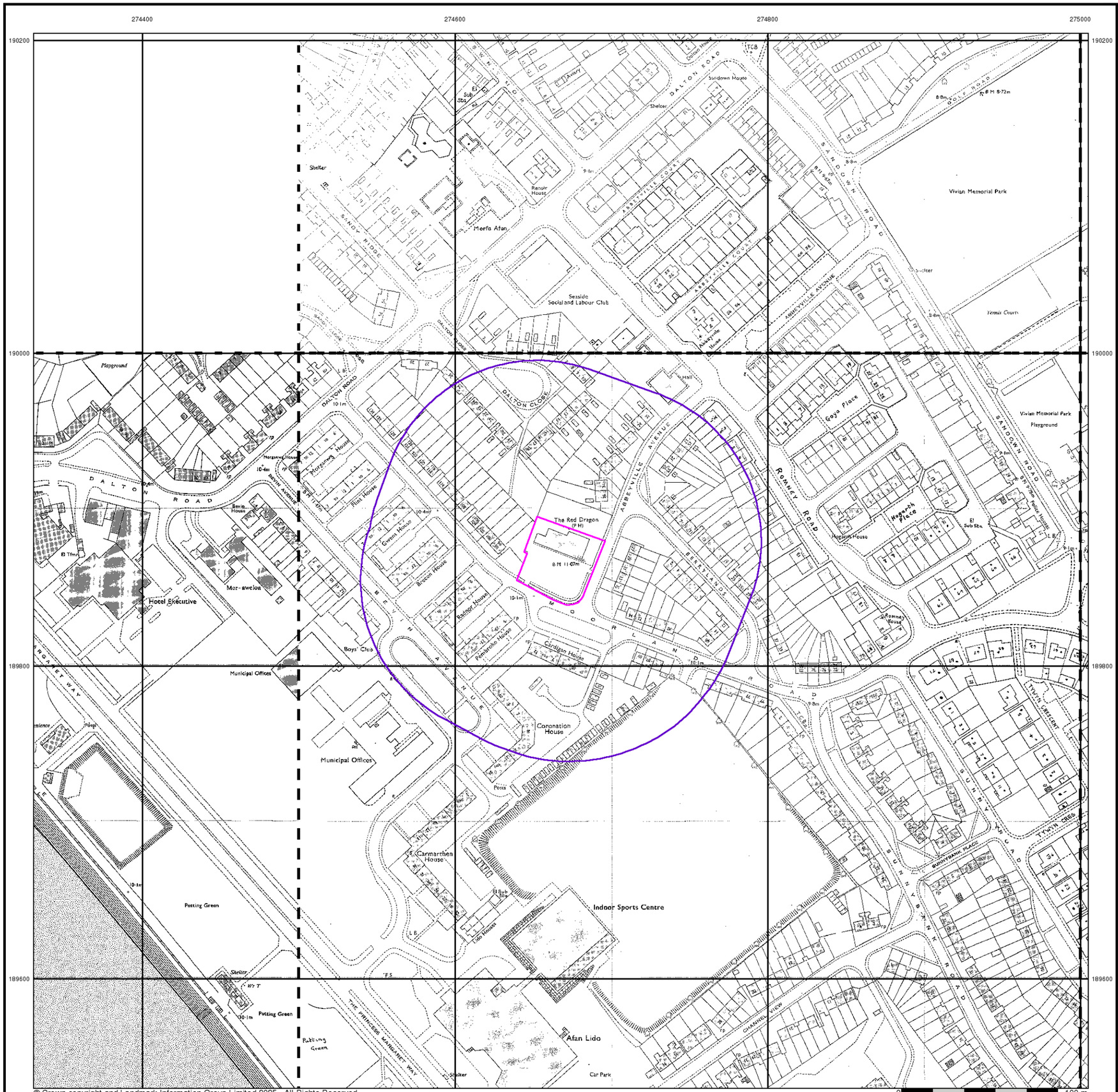
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Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
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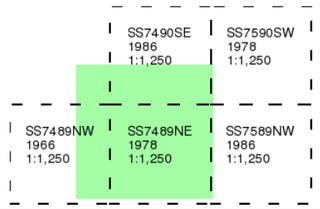
Additional SIMs

Published 1966 - 1986

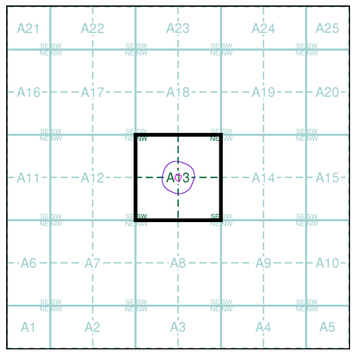
Source map scale - 1:1,250

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)



Historical Map - Segment A13



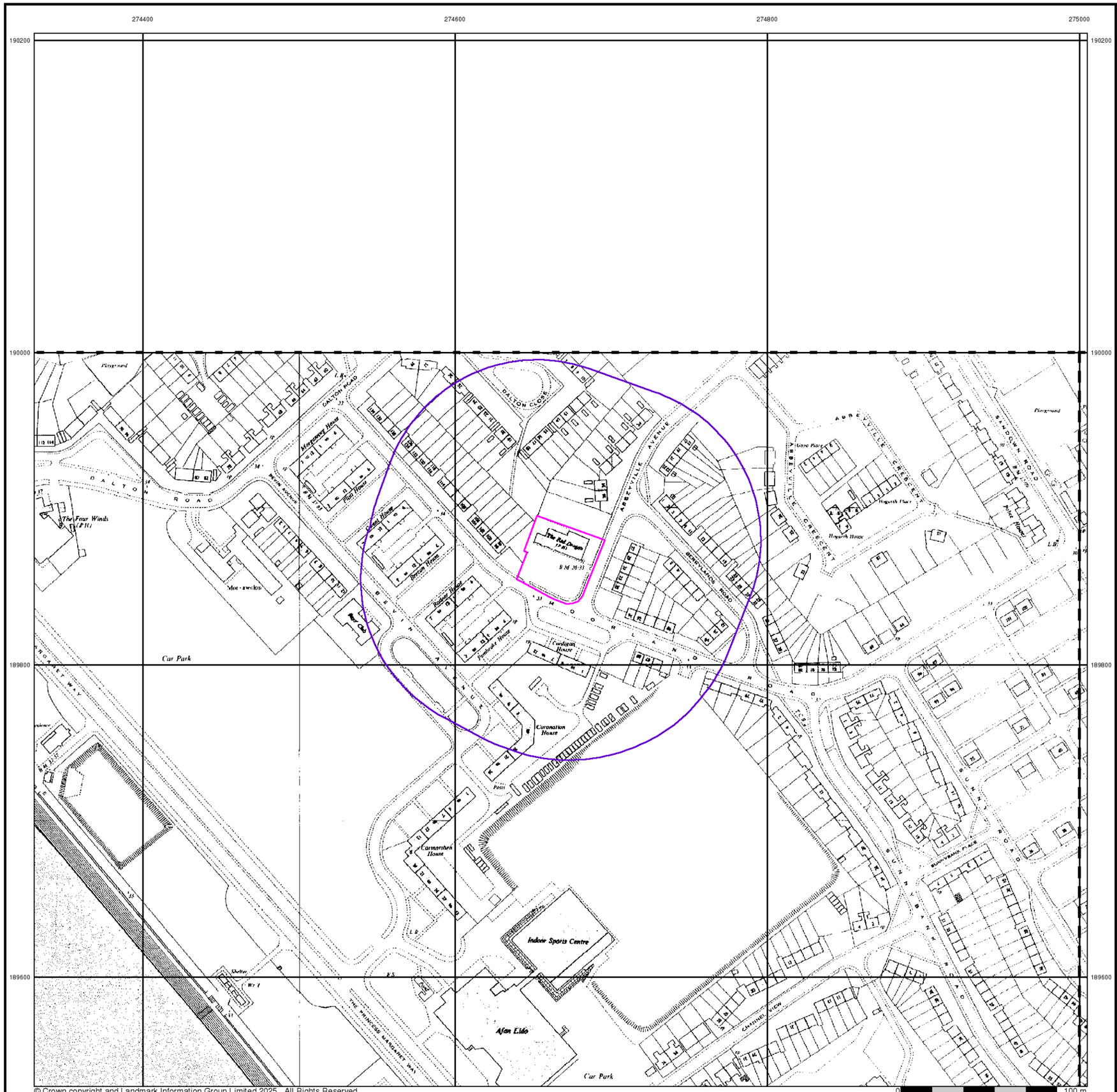
Order Details

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Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
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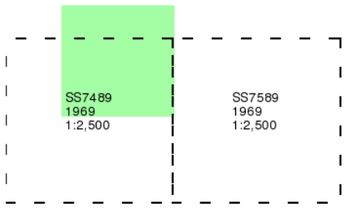
Ordnance Survey Plan

Published 1969

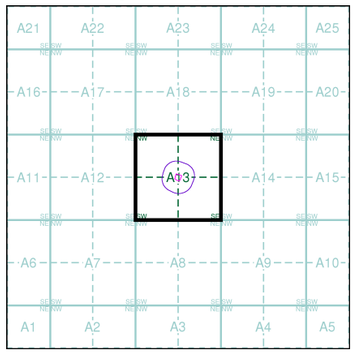
Source map scale - 1:2,500

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

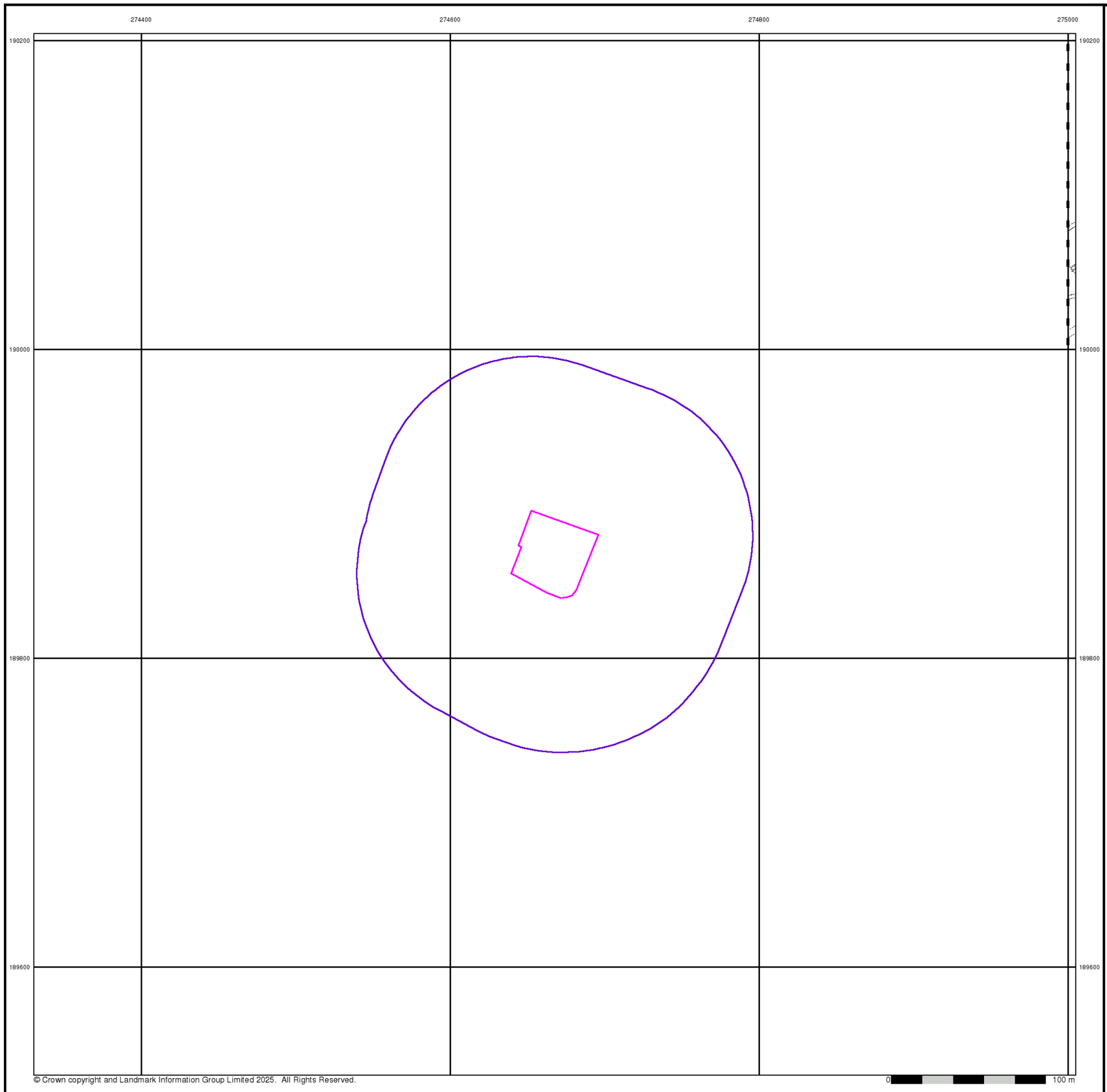
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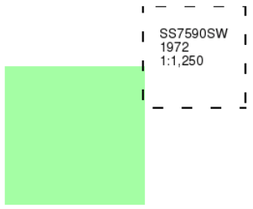
Ordnance Survey Plan

Published 1972

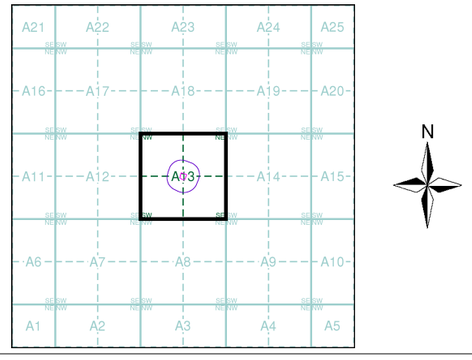
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



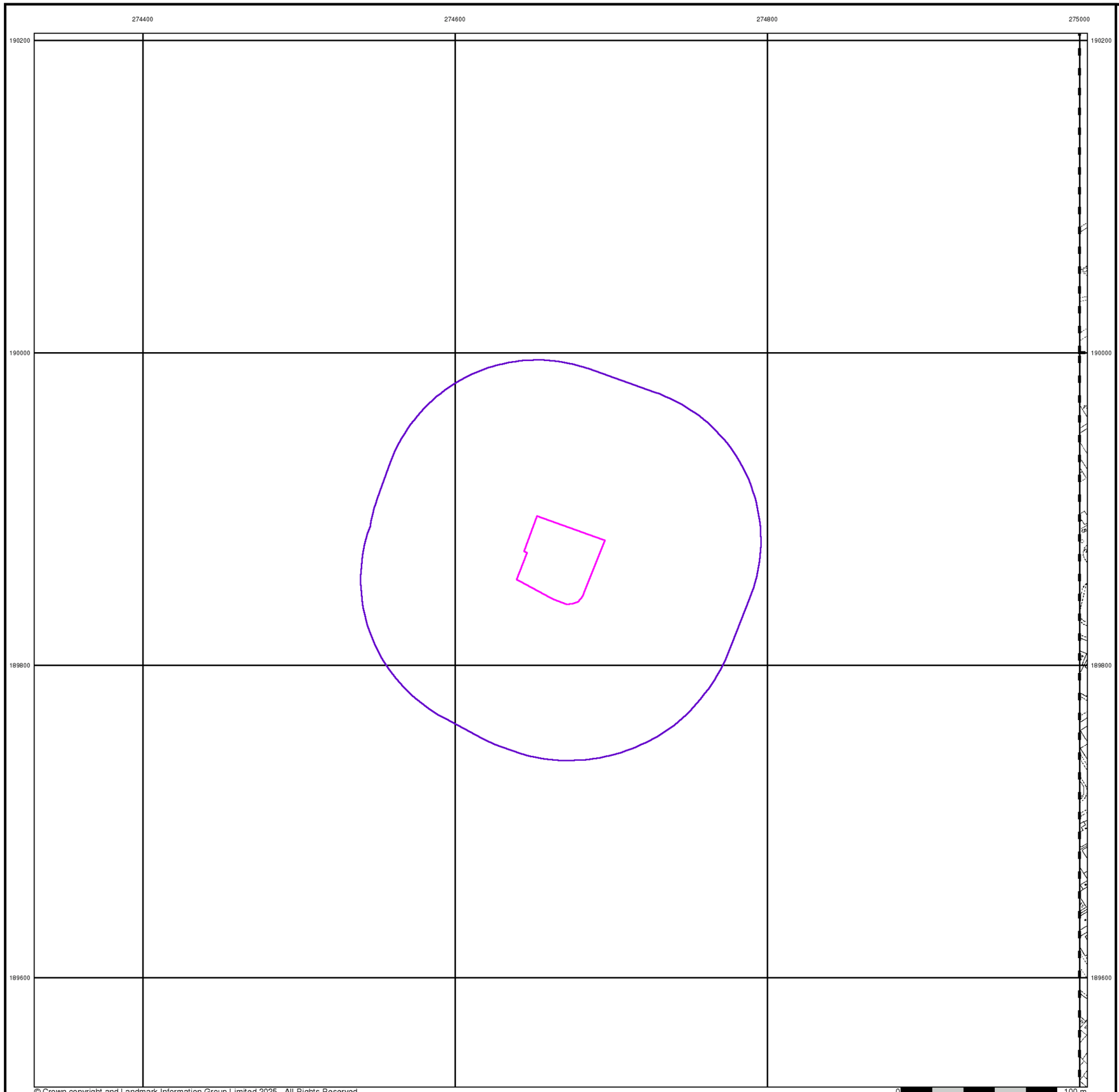
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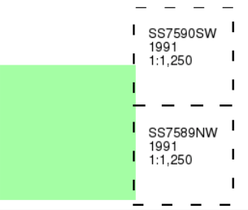
Additional SIMs

Published 1991

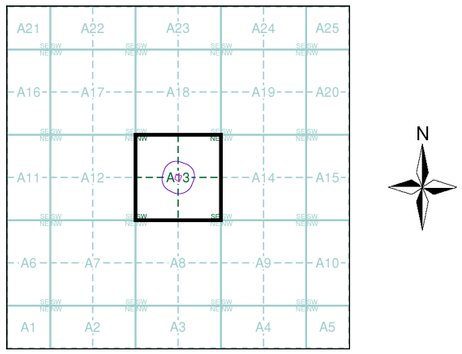
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



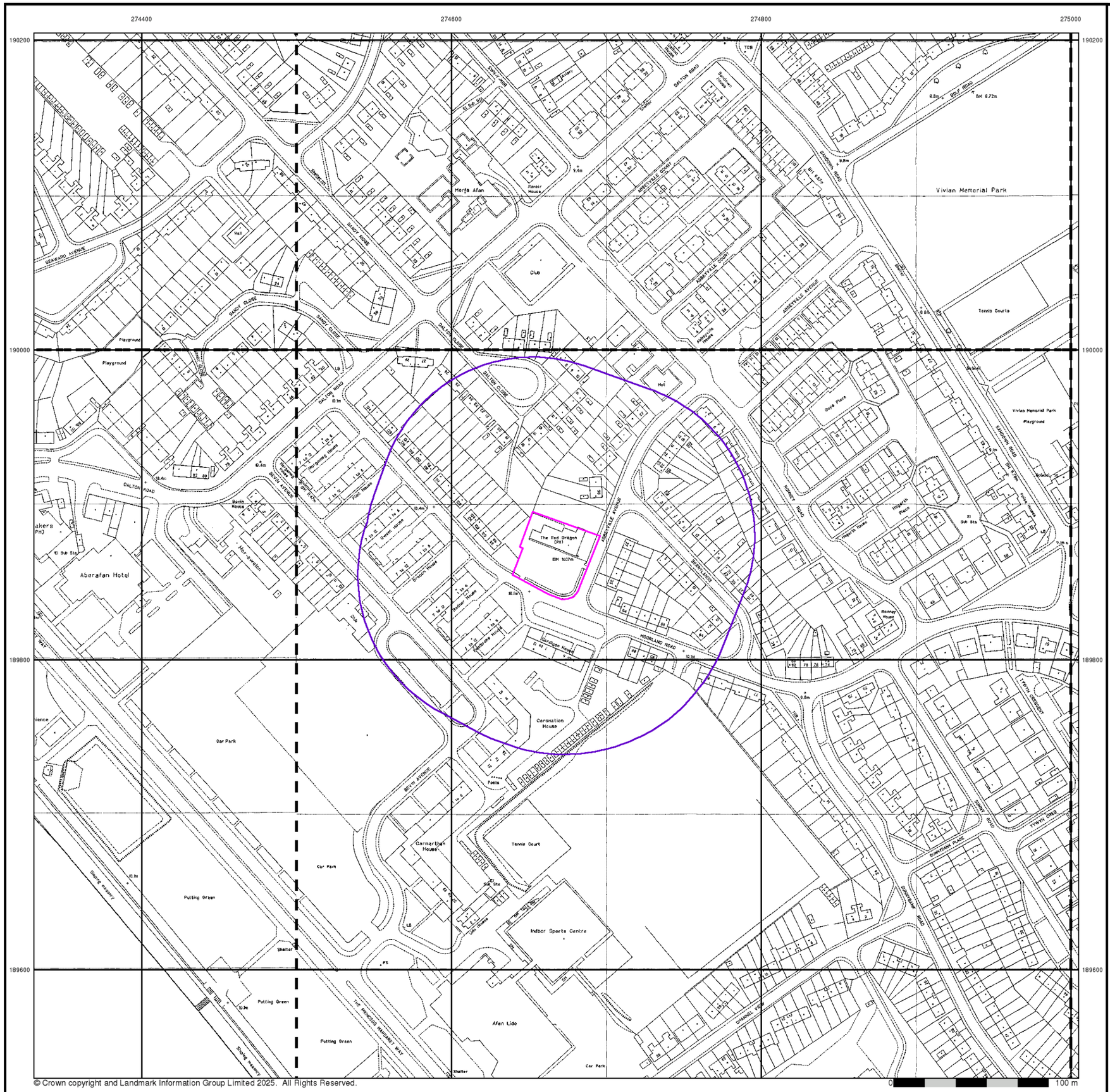
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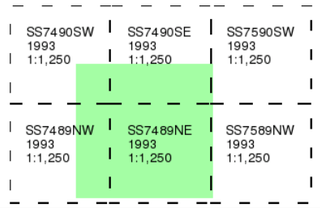
Large-Scale National Grid Data

Published 1993

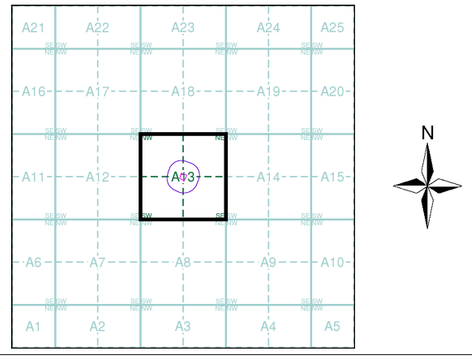
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



Order Details

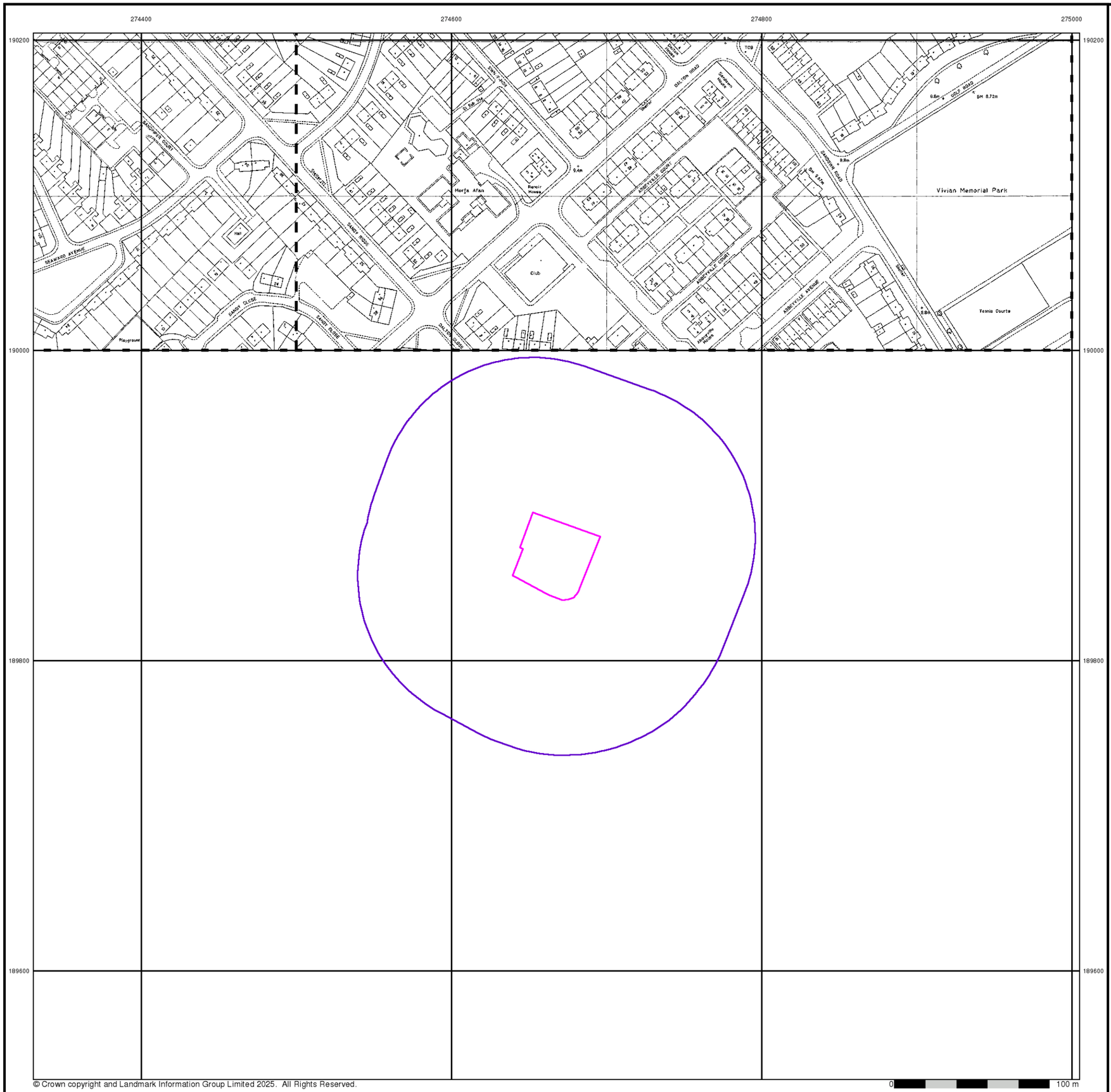
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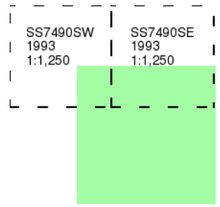
Large-Scale National Grid Data

Published 1993

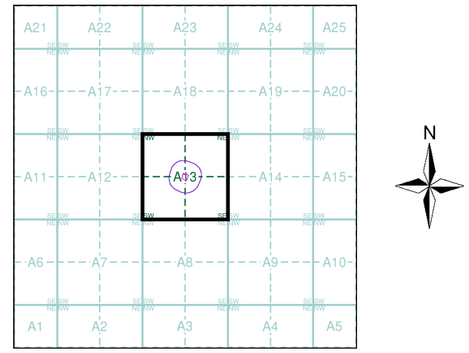
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



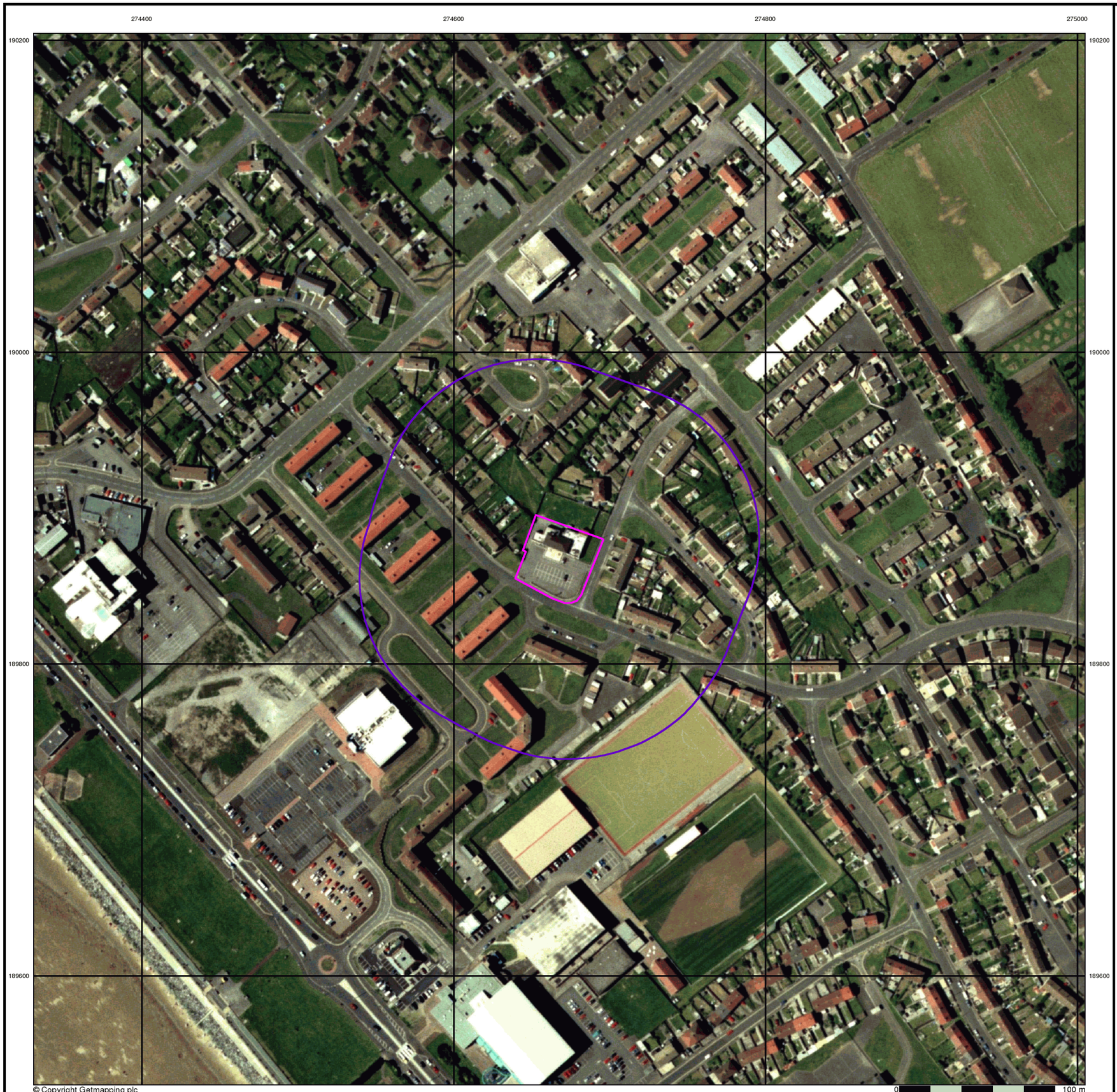
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Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
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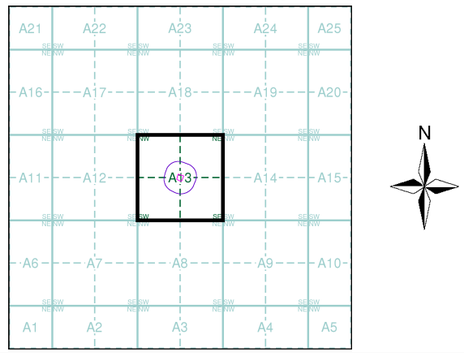
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Historical Aerial Photography

Published 2001

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

Historical Aerial Photography - Segment A13



Order Details

Order Number:	373531279_1_1
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Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
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
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Pole
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

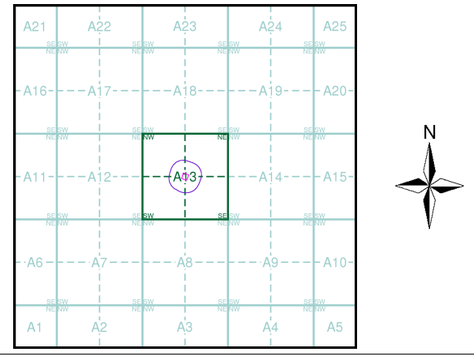
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m 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 - 1885	2
Glamorganshire	1:10,560	1900	3
Glamorganshire	1:10,560	1921	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1938 - 1952	6
Historical Aerial Photography	1:10,560	1949	7
Glamorganshire	1:10,560	1951	8
Ordnance Survey Plan	1:10,000	1964 - 1965	9
Ordnance Survey Plan	1:10,000	1974	10
Ordnance Survey Plan	1:10,000	1980 - 1982	11
Ordnance Survey Plan	1:10,000	1993 - 1996	12
10K Raster Mapping	1:10,000	1999	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2024	15

Historical Map - Slice A



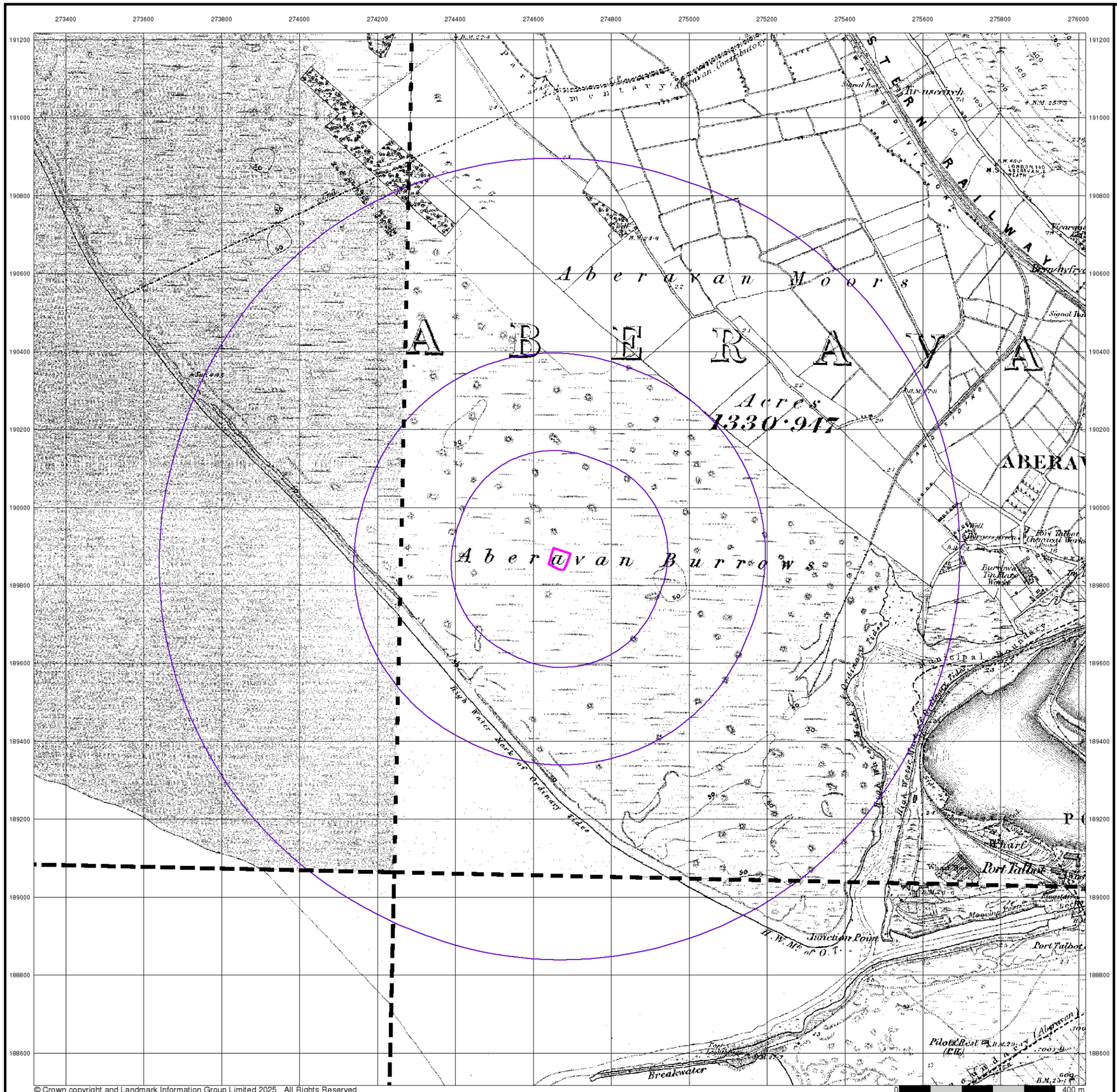
Order Details

Order Number: 373531279_1_1
Customer Ref: TF-24-275
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Slice: A
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Search Buffer (m): 1000

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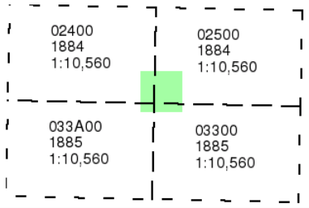
Glamorganshire

Published 1884 - 1885

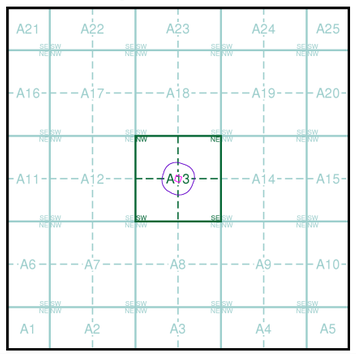
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



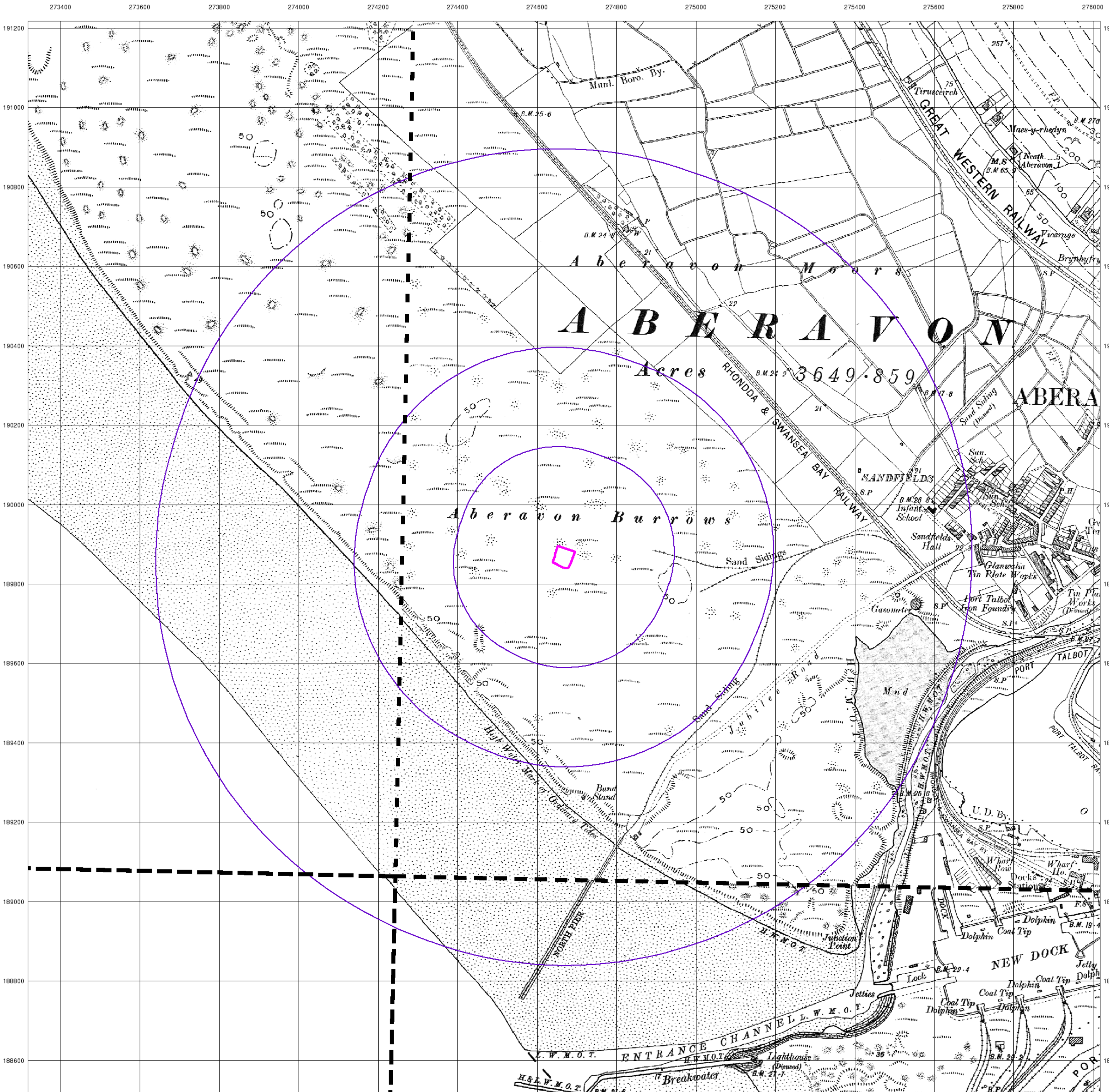
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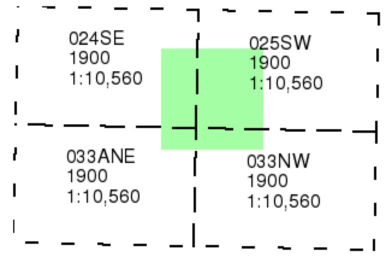
Glamorganshire

Published 1900

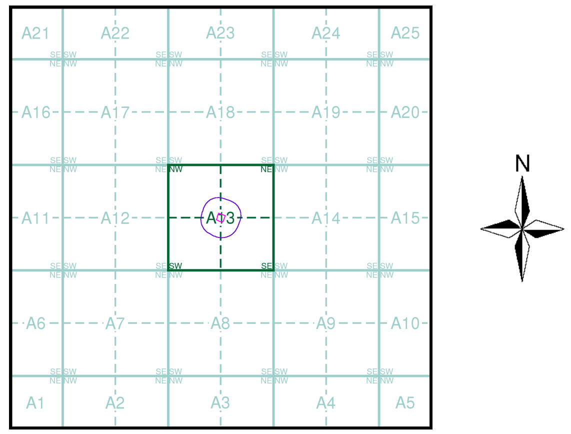
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

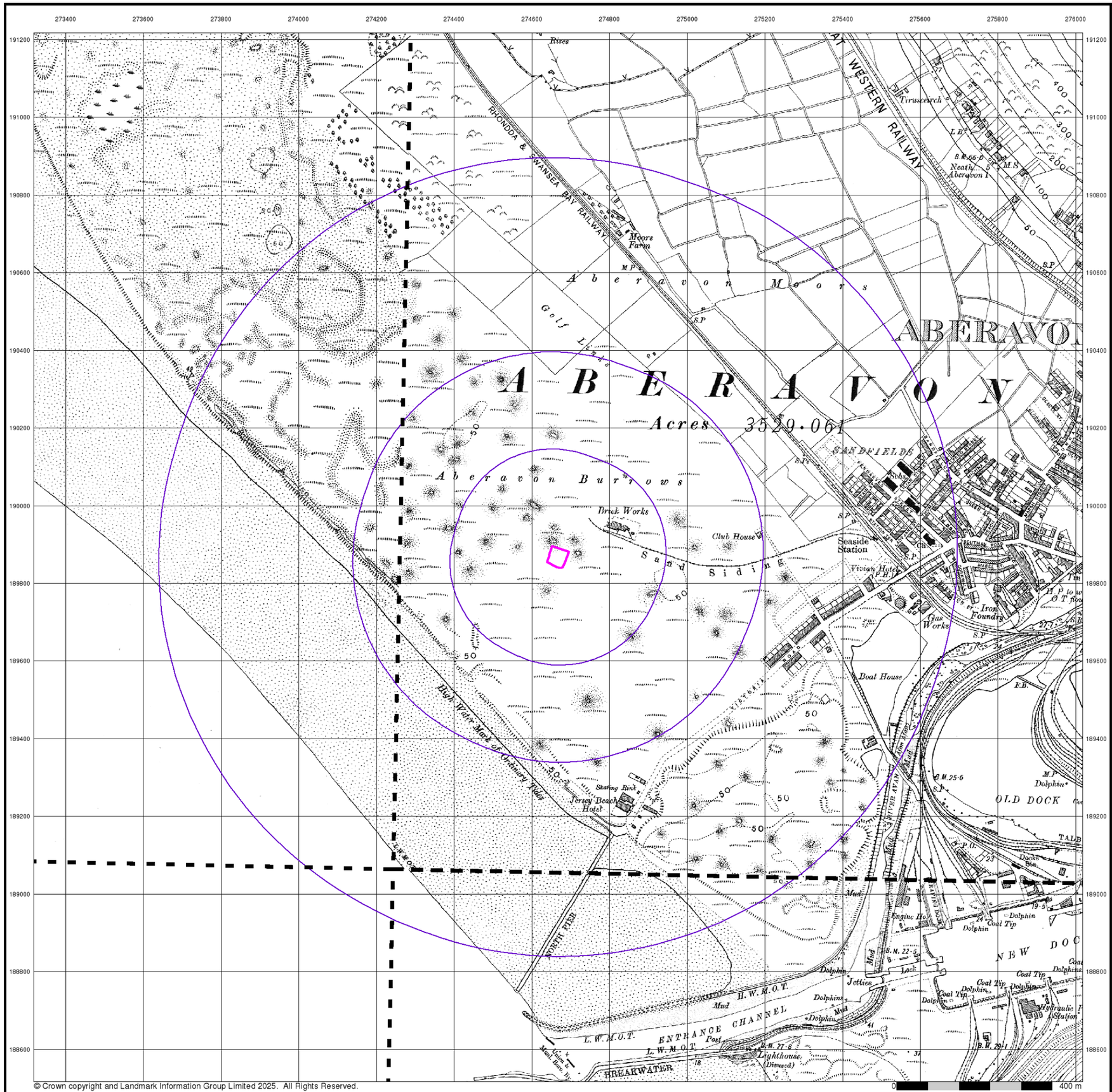
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Search Buffer (m): 1000

Site Details

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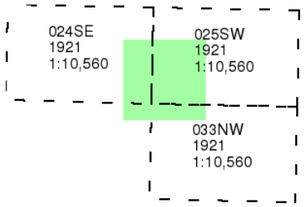
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Published 1921

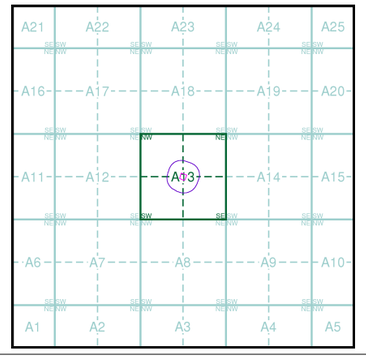
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Map Name(s) and Date(s)



Historical Map - Slice A



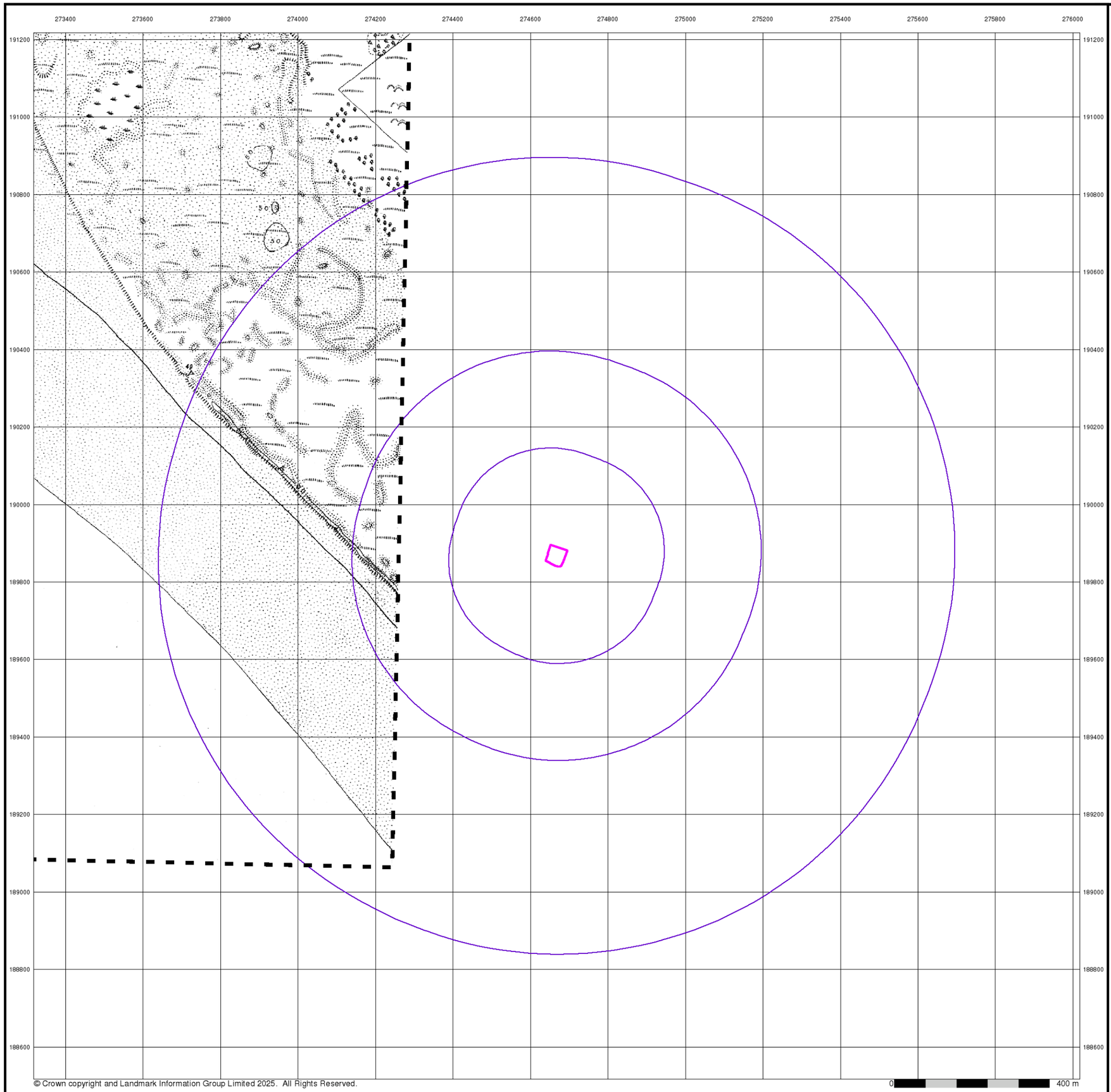
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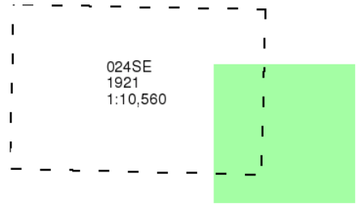
Glamorganshire

Published 1921

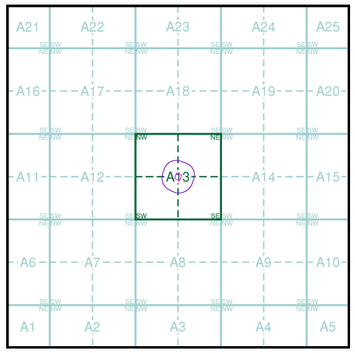
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	373531279_1_1
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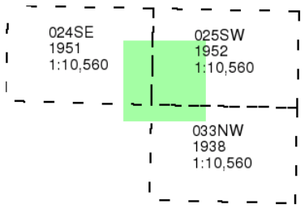
Glamorganshire

Published 1938 - 1952

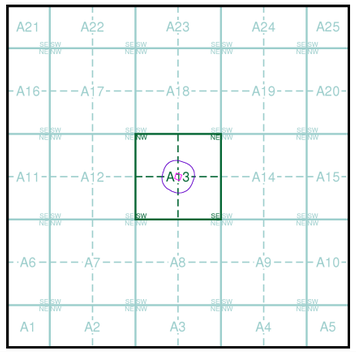
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Map Name(s) and Date(s)



Historical Map - Slice A



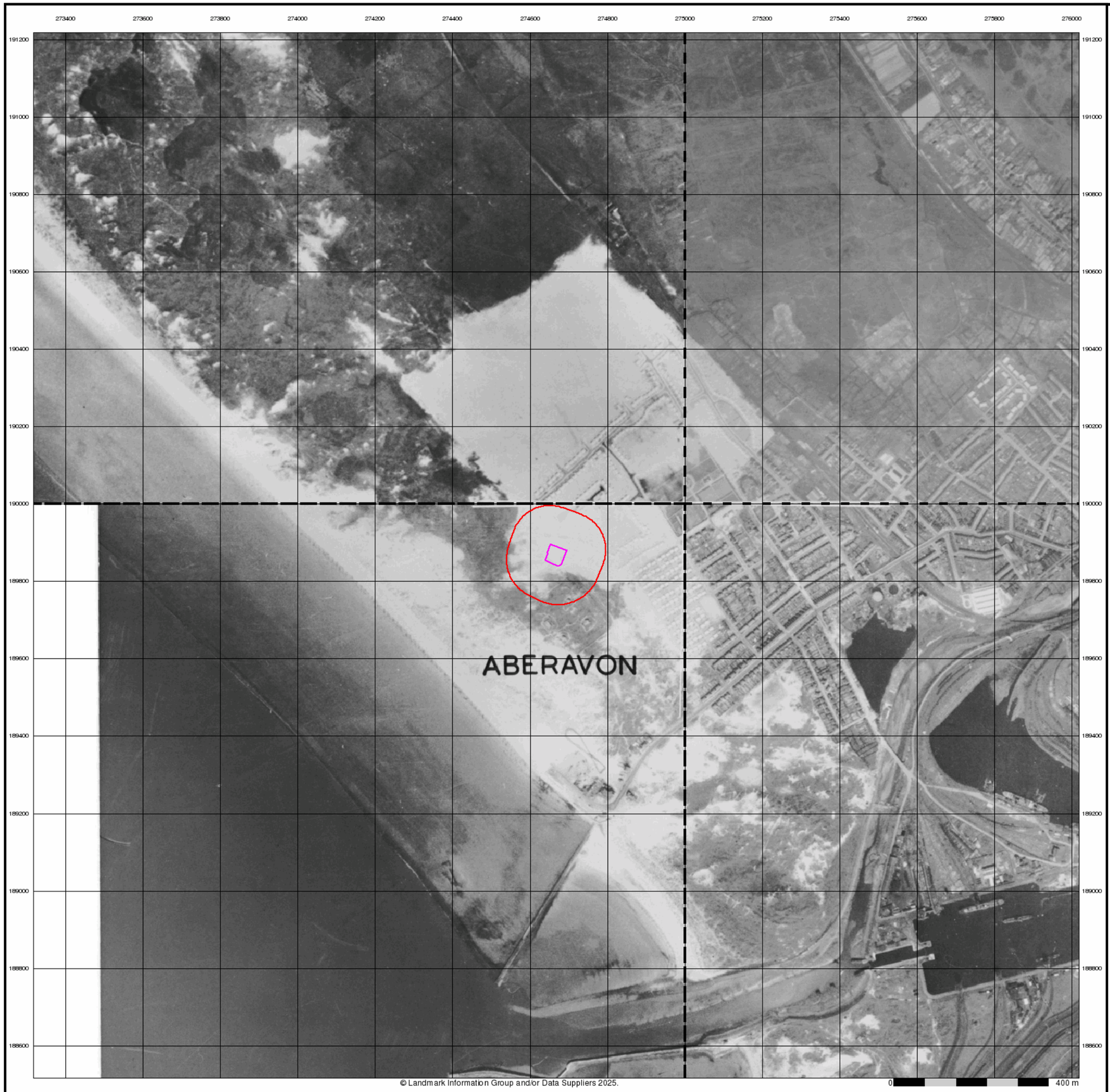
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Historical Aerial Photography

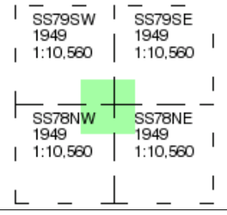
Published 1949

Source map scale - 1:10,560

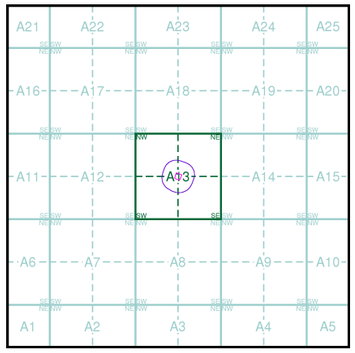
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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)



Historical Aerial Photography - Slice A



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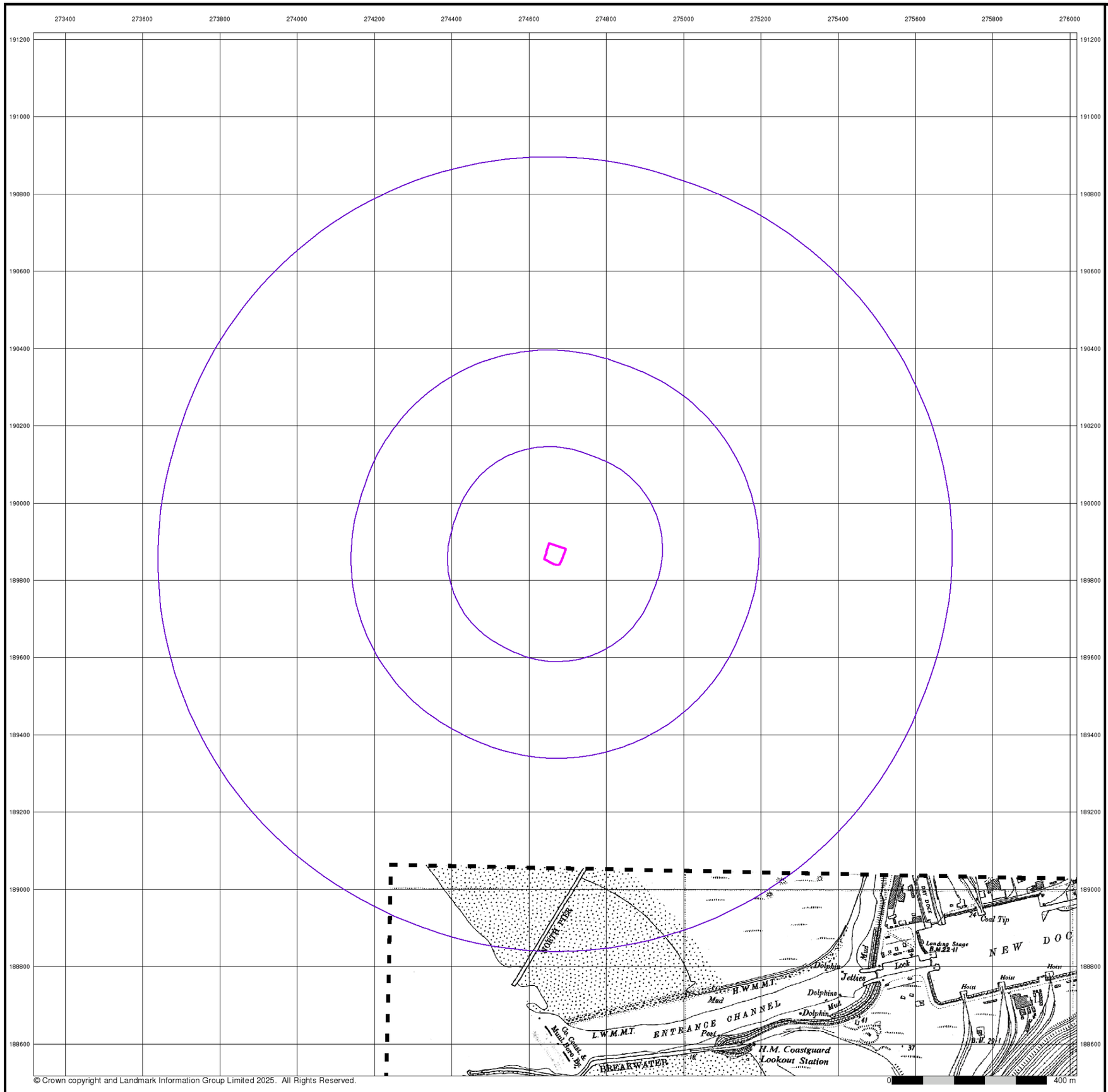
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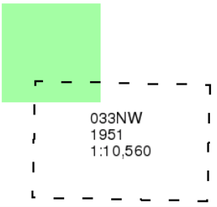
Glamorganshire

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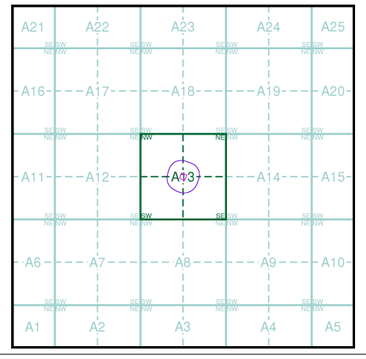
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



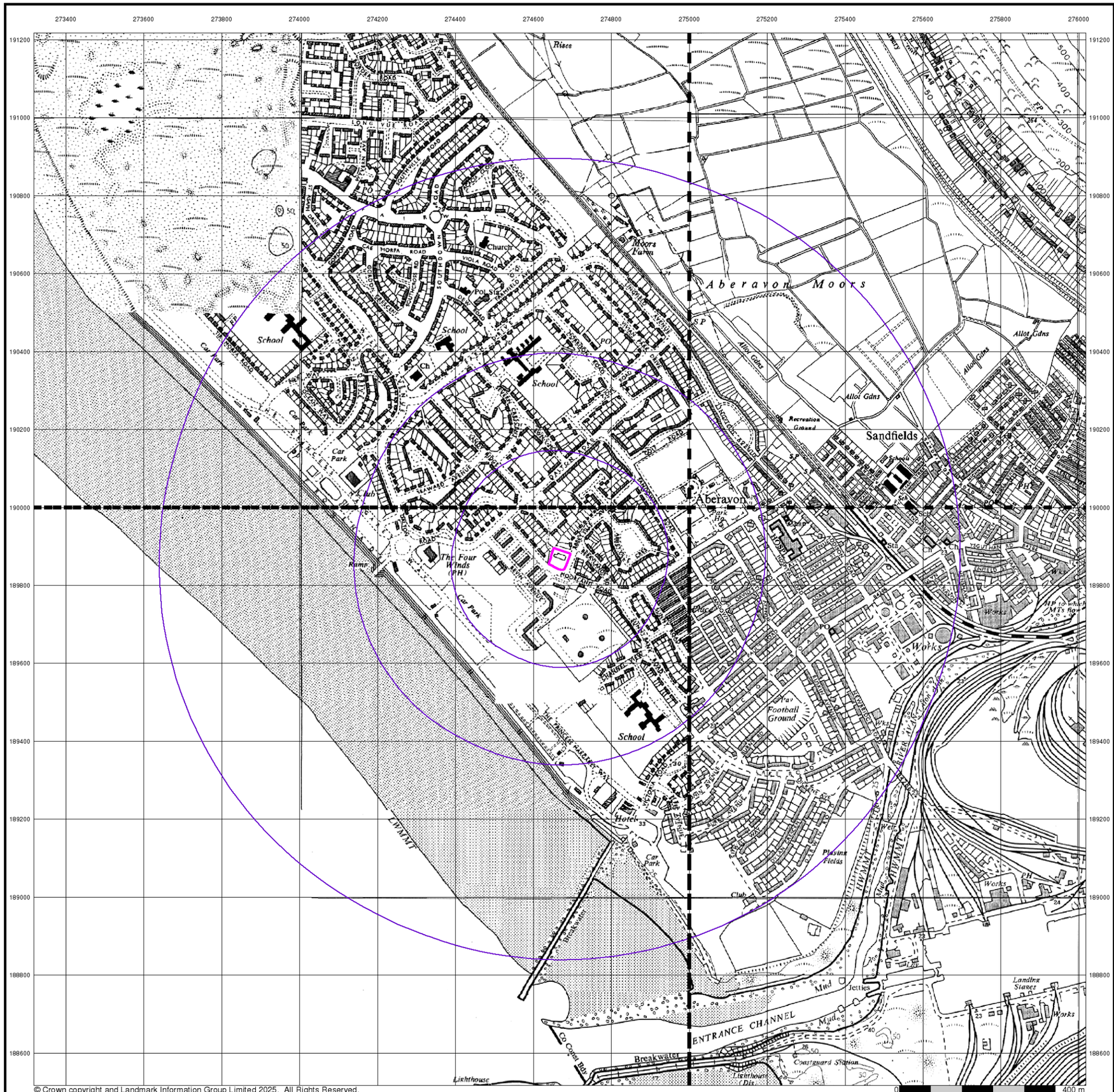
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Ordnance Survey Plan

Published 1964 - 1965

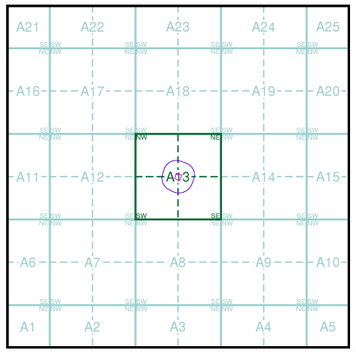
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Map Name(s) and Date(s)

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

Historical Map - Slice A



Order Details

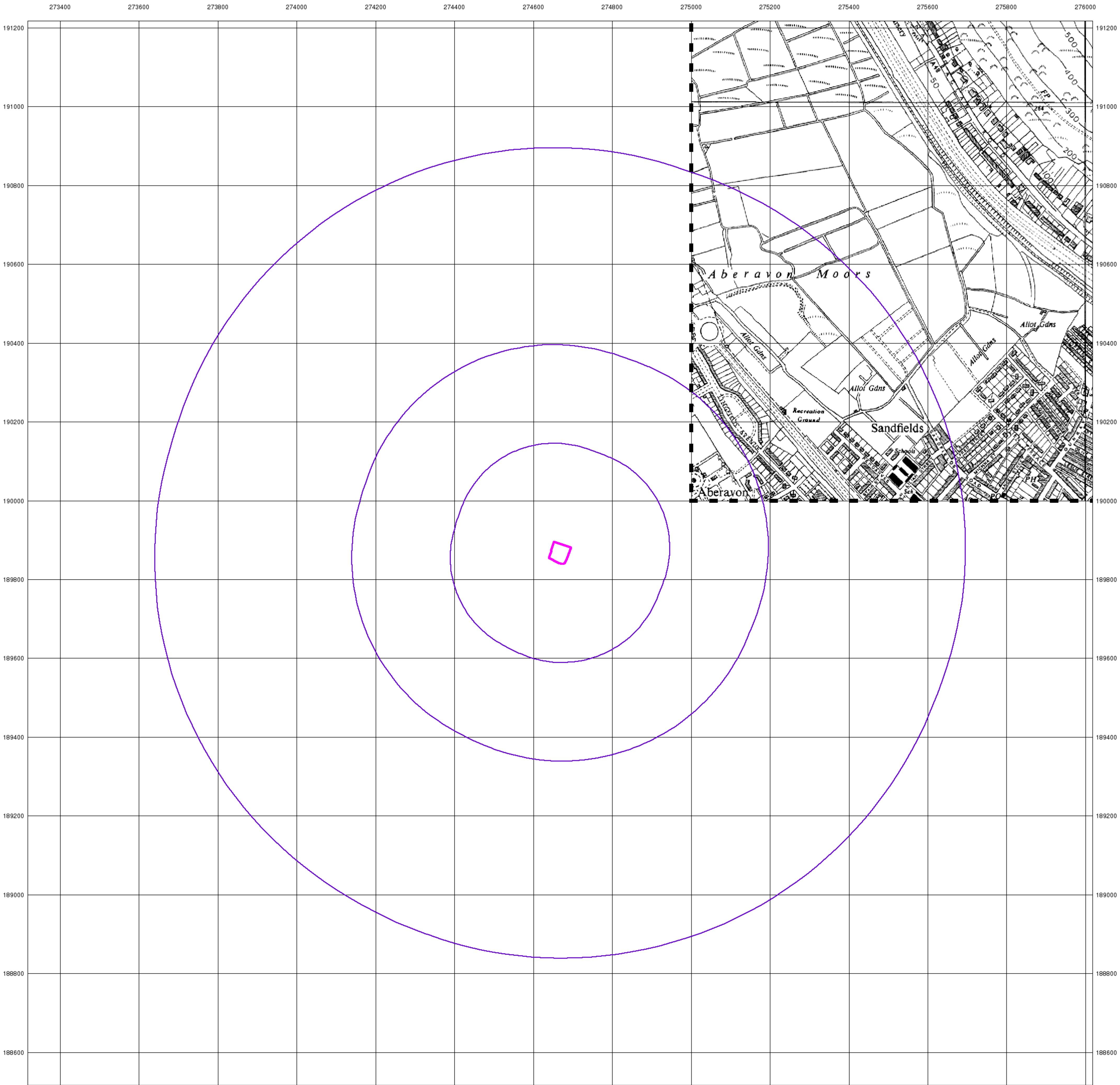
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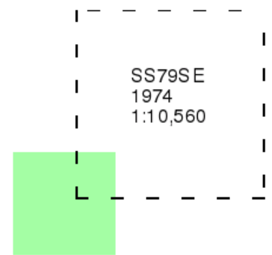
Ordnance Survey Plan

Published 1974

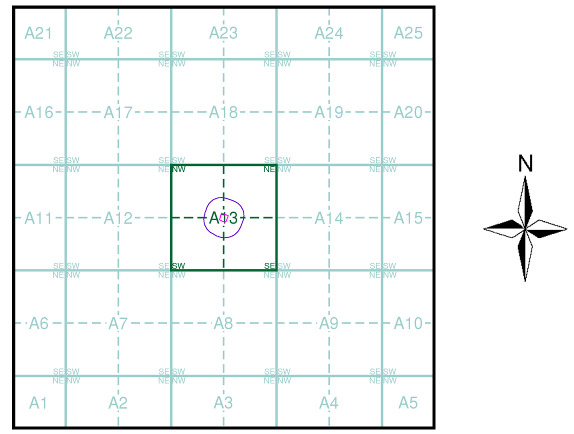
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	373531279_1_1
Customer Ref:	TF-24-275
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Ordnance Survey Plan

Published 1980 - 1982

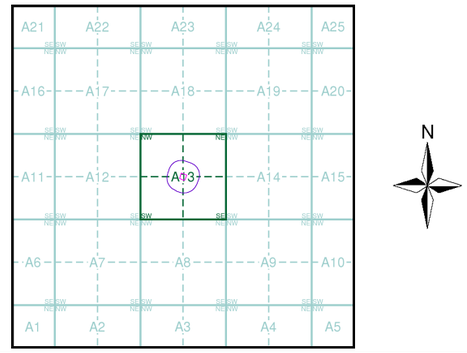
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Map Name(s) and Date(s)

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SS78NW 1982 1:10,000	SS78NE 1982 1:10,000

Historical Map - Slice A



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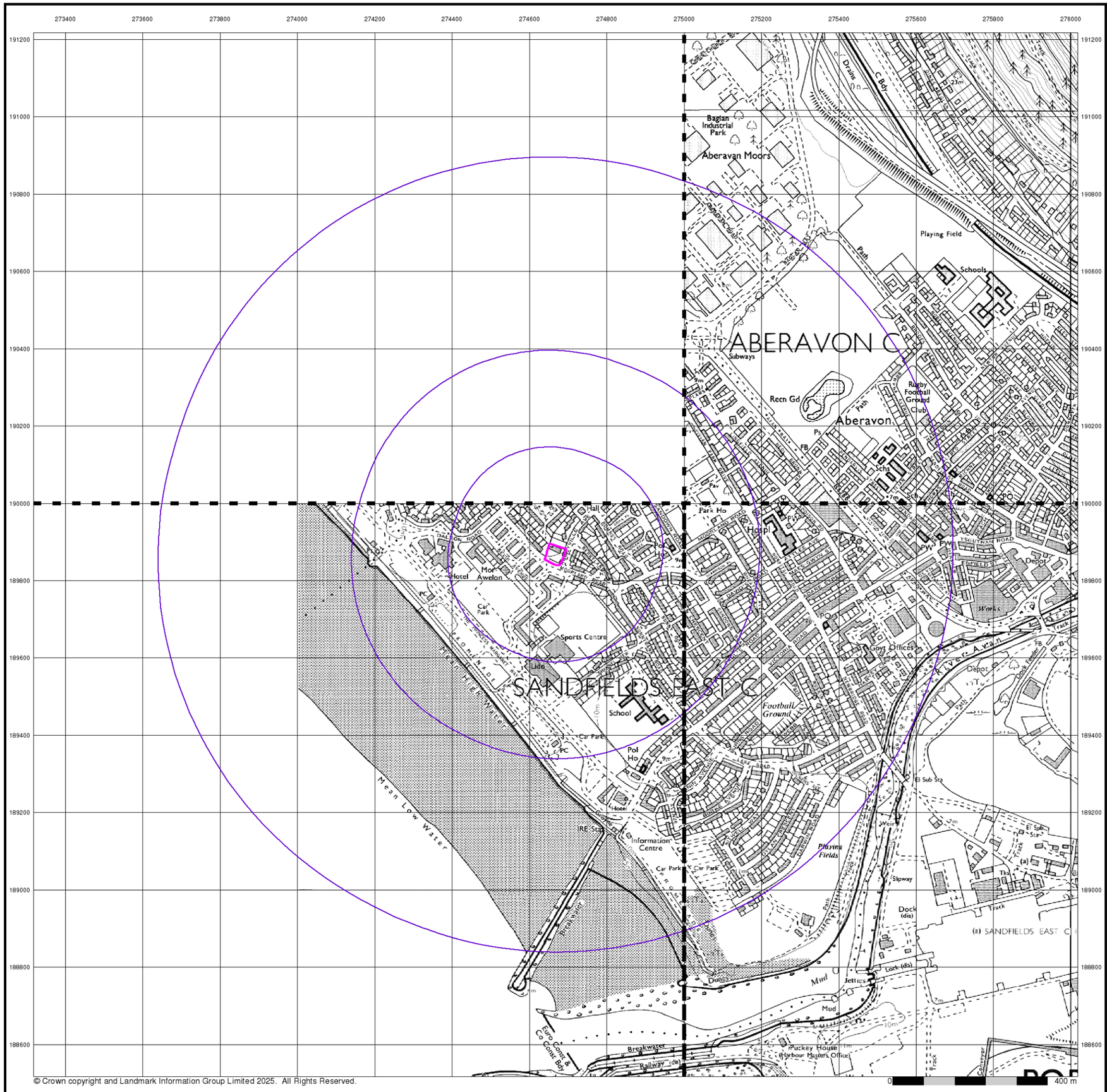
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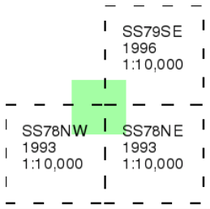
Ordnance Survey Plan

Published 1993 - 1996

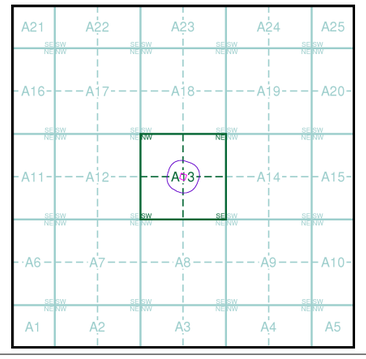
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Map Name(s) and Date(s)



Historical Map - Slice A



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10k Raster Mapping

Published 1999

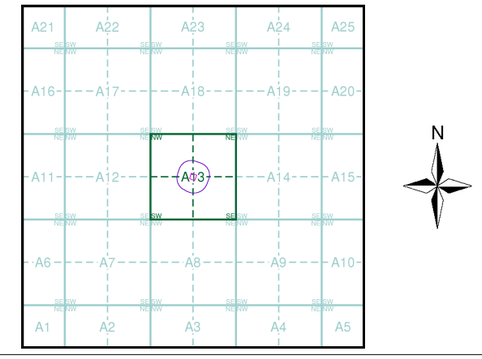
Source map scale - 1:10,000

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)

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

Historical Map - Slice A



Order Details

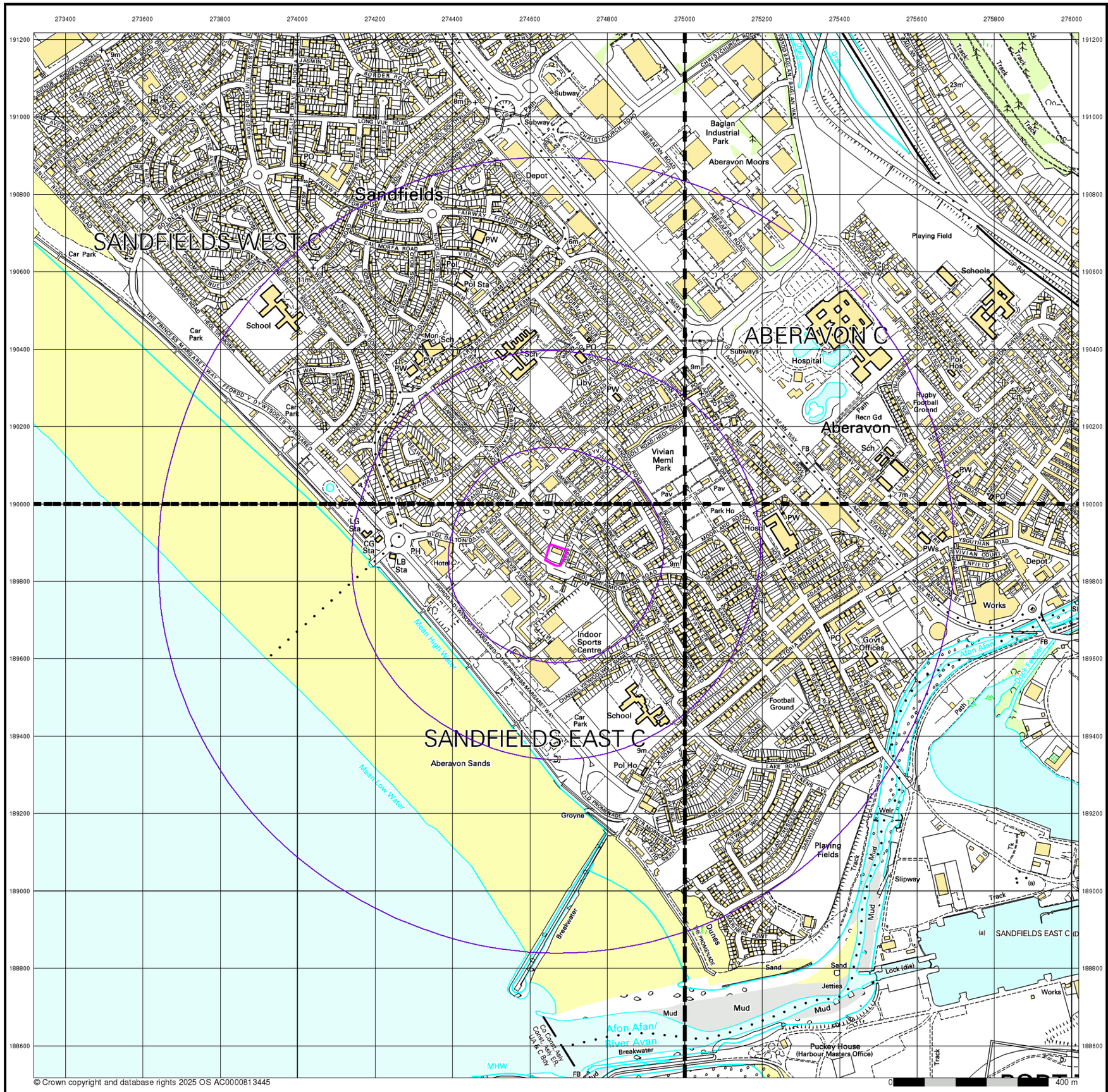
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10k Raster Mapping

Published 2006

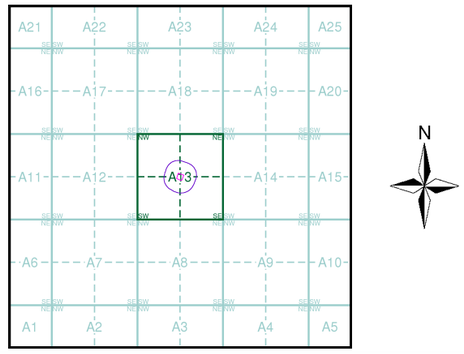
Source map scale - 1:10,000

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:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

Site Details

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VectorMap Local

Published 2024

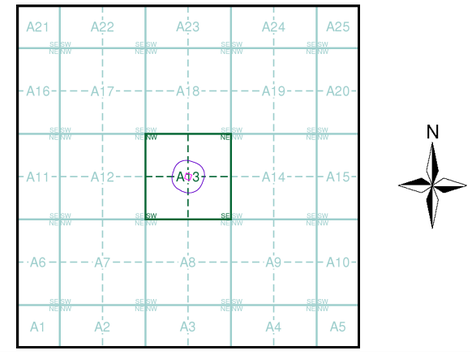
Source map scale - 1:10,000

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 2024 Variable	SS79SE 2024 Variable
SS78NW 2024 Variable	SS78NE 2024 Variable

Historical Map - Slice A



Order Details

Order Number:	373531279_1_1
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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
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Not Supplied - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	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
	MBD	Marine Beach Deposits	Sand	Not Supplied - Quaternary
	MBD	Marine Beach Deposits	Sand and Gravel	Not Supplied - Quaternary
	STOB	Storm Beach Deposits	Gravel	Not Supplied - Quaternary
	RSBD	Raised Storm Beach Deposits	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	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
	RA	Rhondda Member	Sandstone	Not Supplied - Westphalian
	SWMCM	South Wales Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWLCM	South Wales Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
		Faults		
		Rock Segments		

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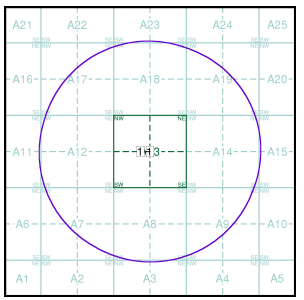
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**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

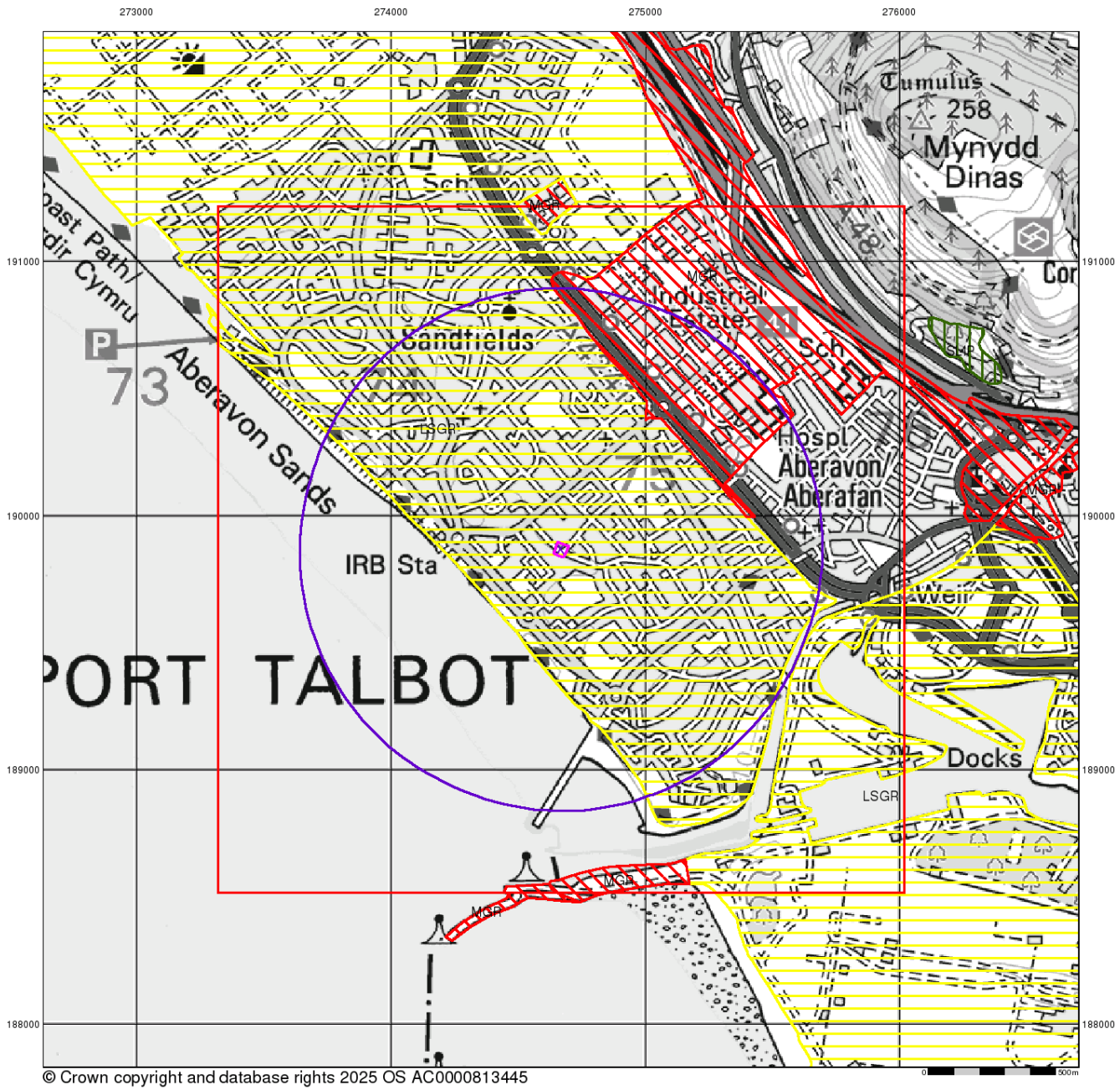


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Artificial Ground and Landslip

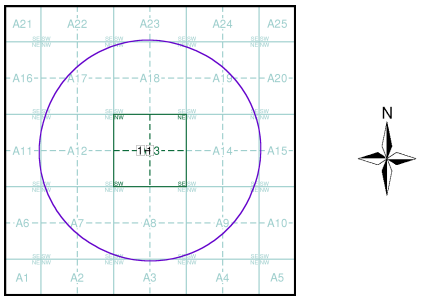
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

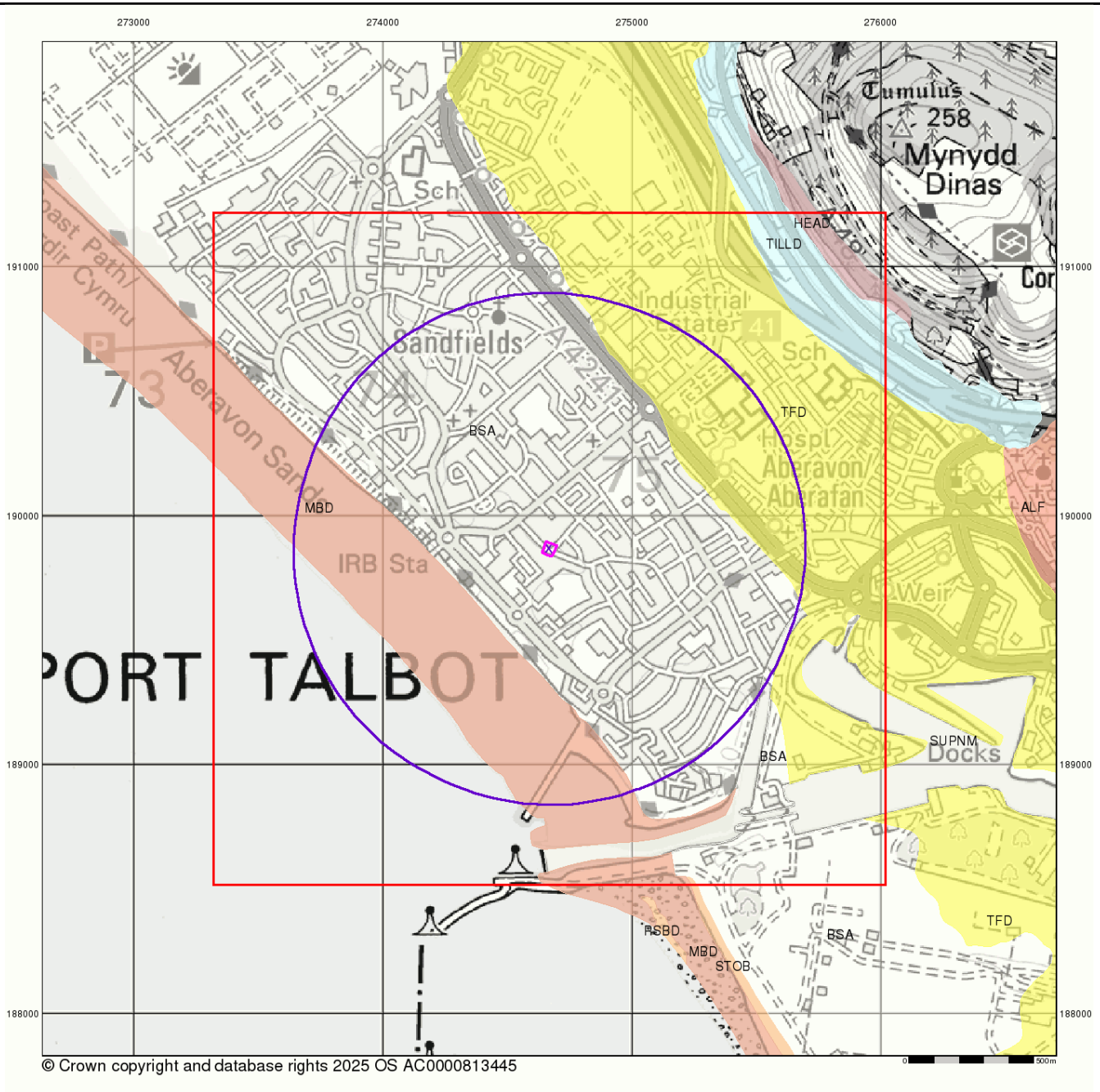


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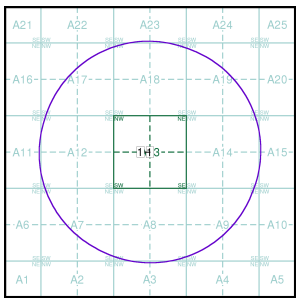
Superficial Geology

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



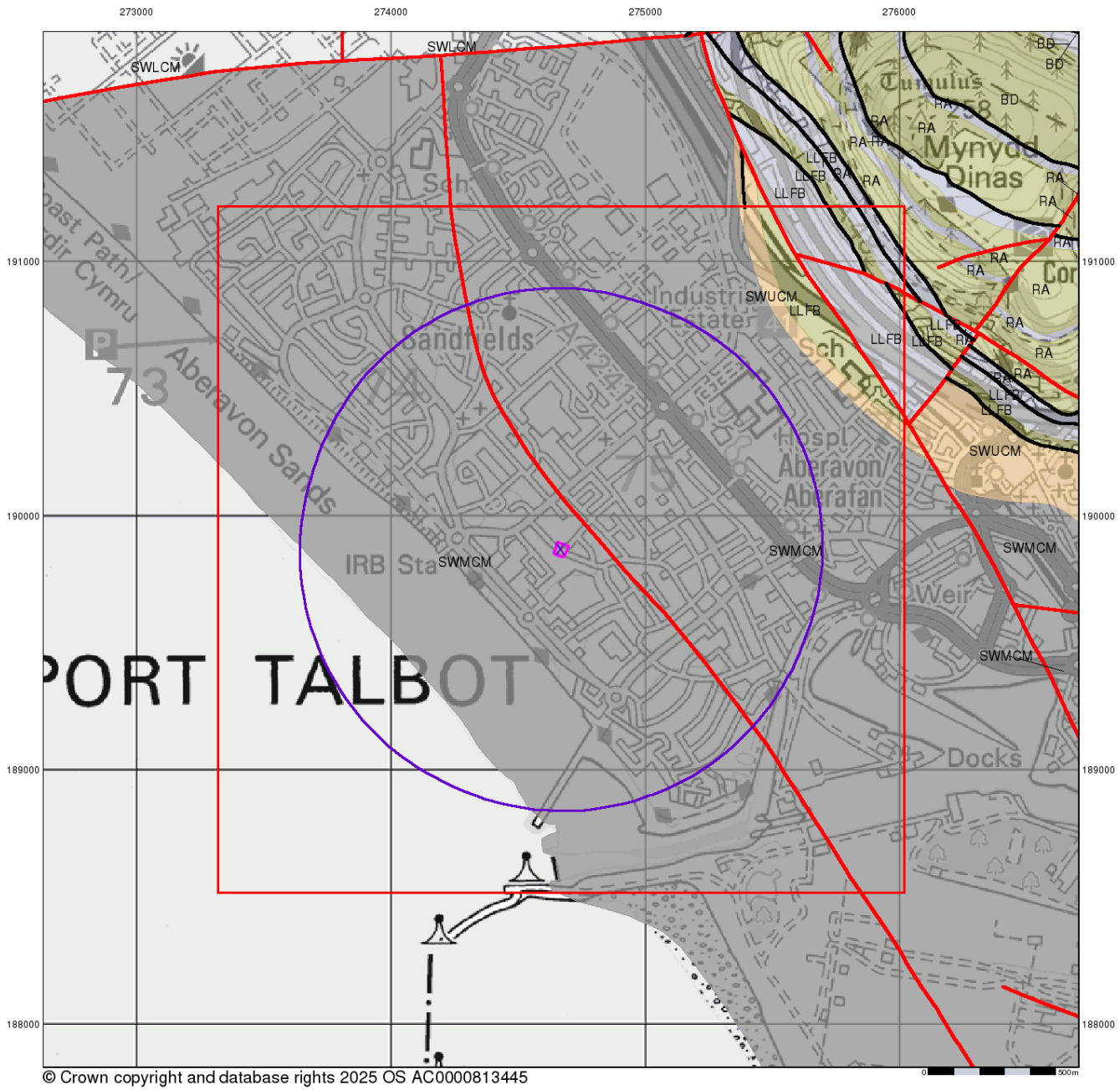
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Bedrock and Faults

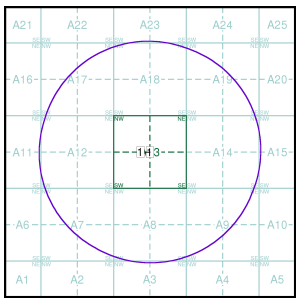
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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



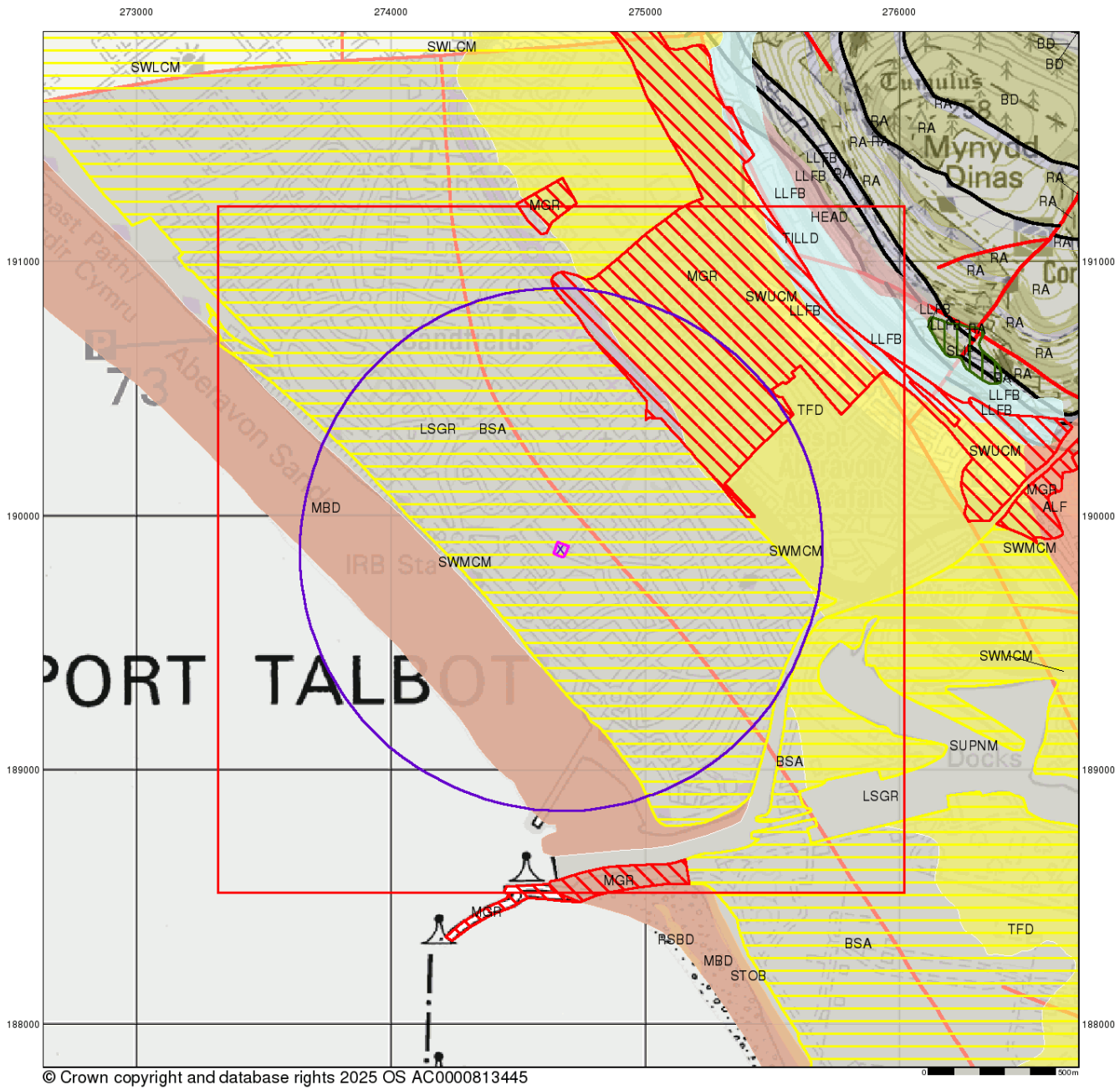
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Combined Surface Geology

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

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

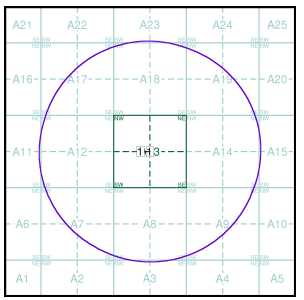
Additional Information

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

Contact

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

Combined Geology Map - Slice A

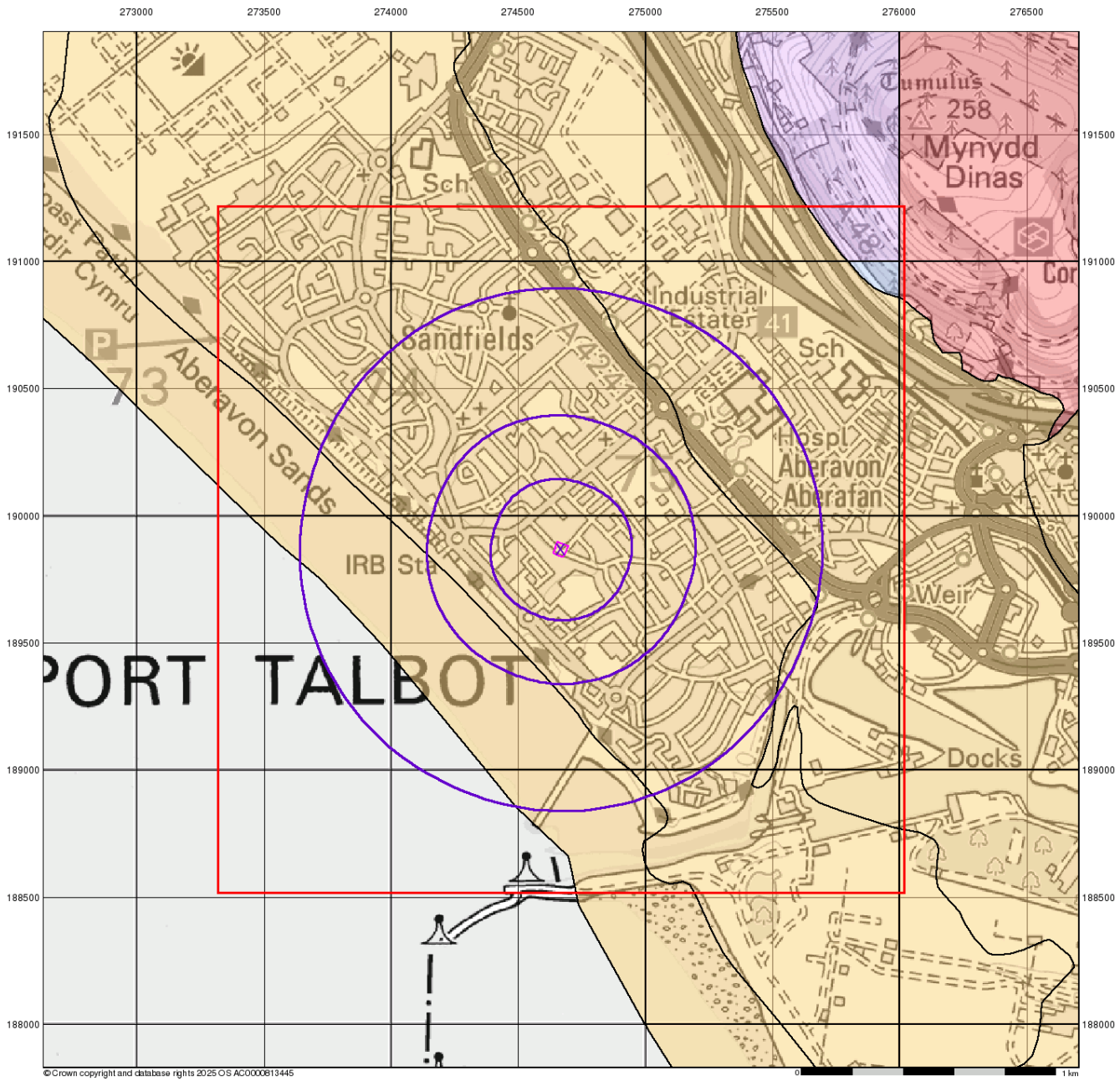


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Groundwater Vulnerability

General

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

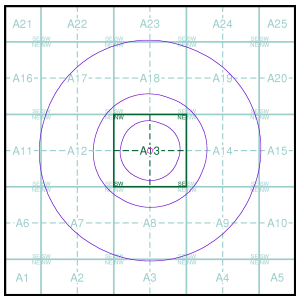
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A

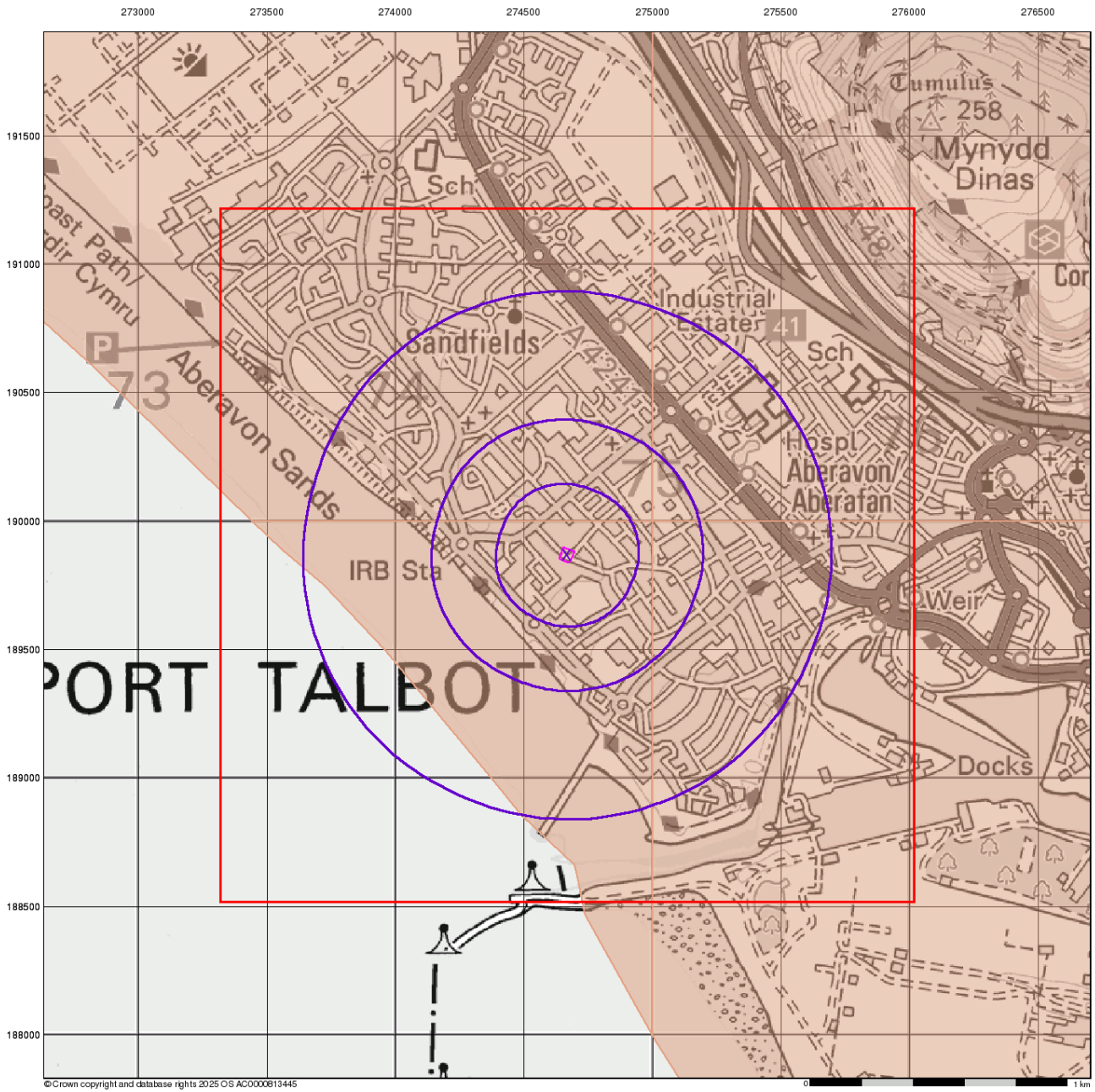


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Bedrock Aquifer Designation

General

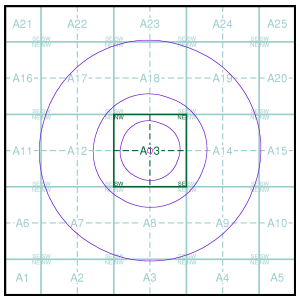
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

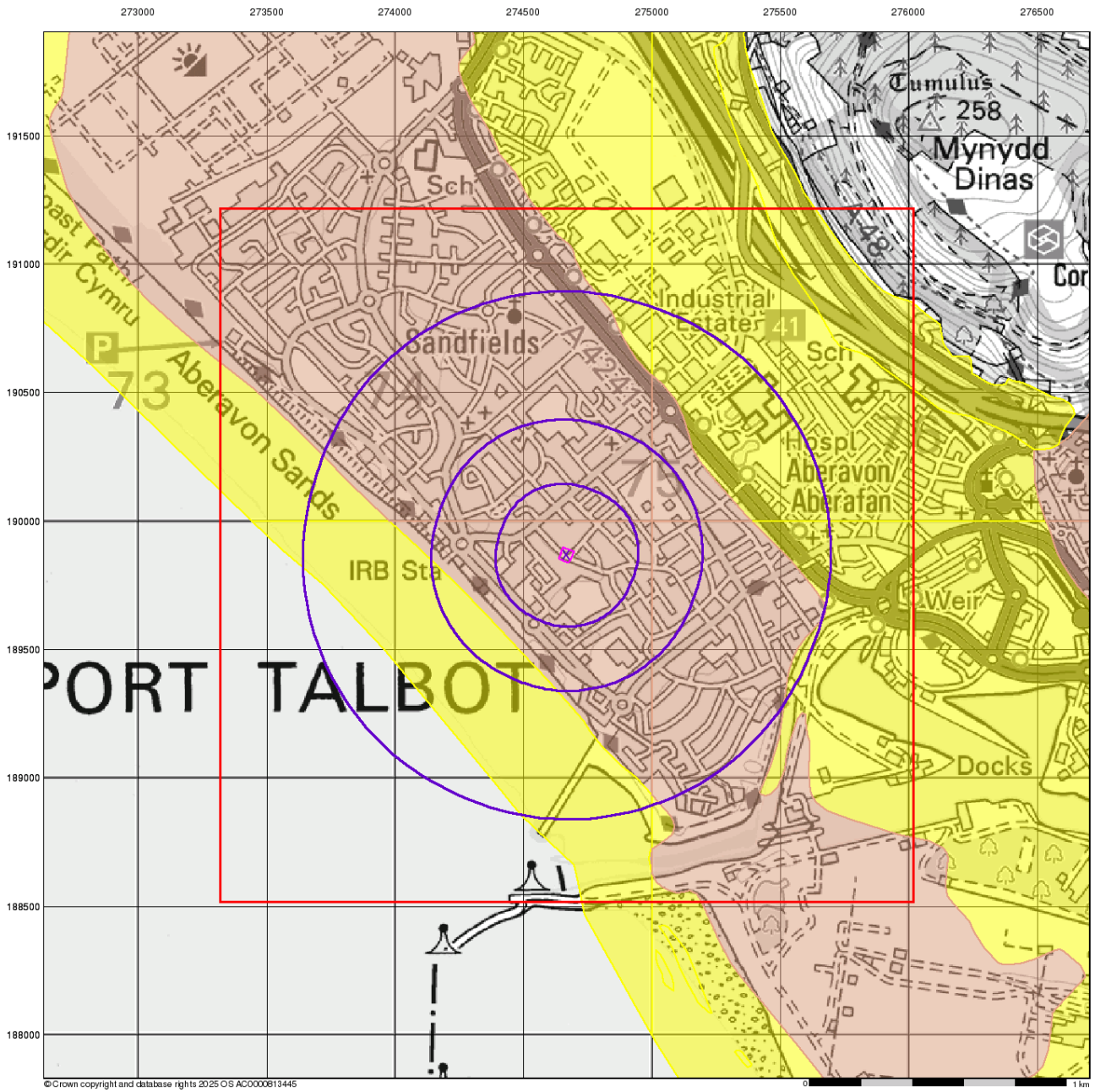


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Superficial Aquifer Designation

General

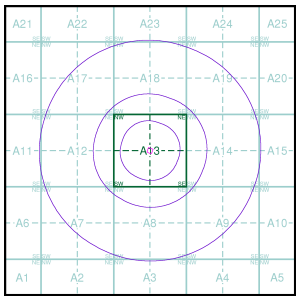
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

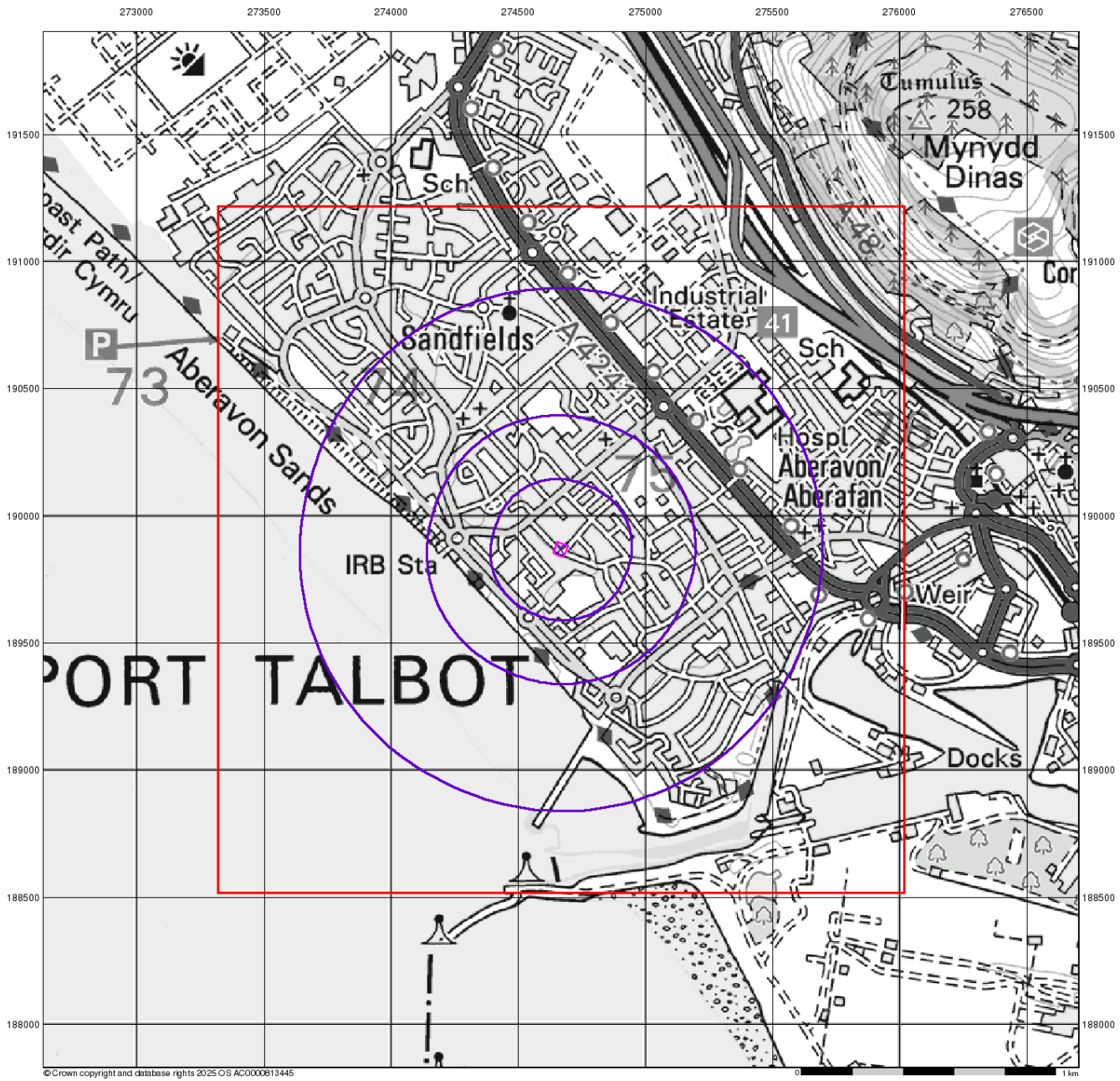
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Source Protection Zones

General

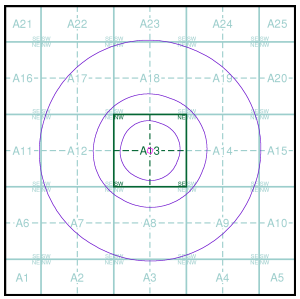
Specified Site | Specified Buffer(s) | Bearing Reference Point

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

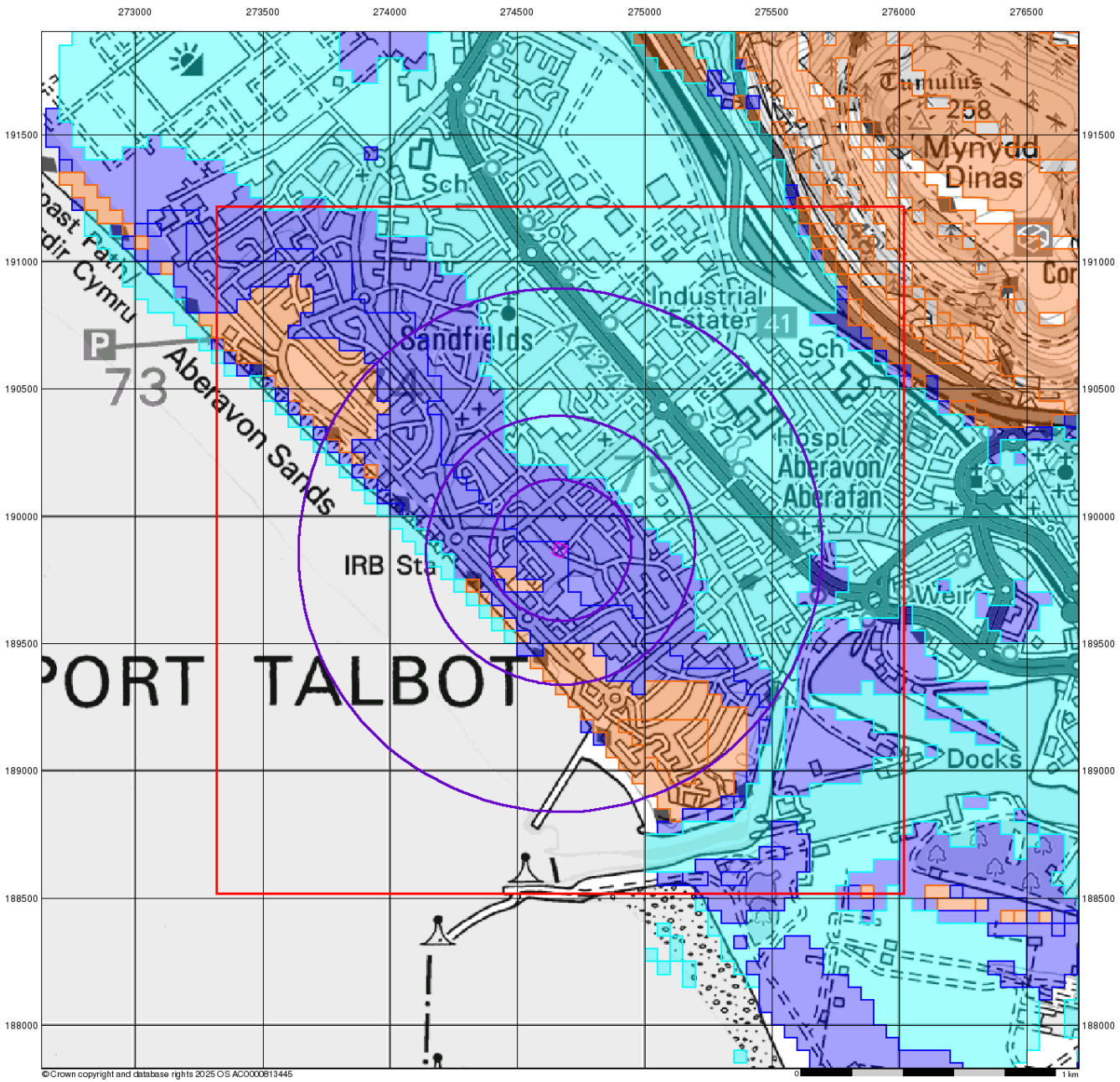


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BGS Flood GFS Data

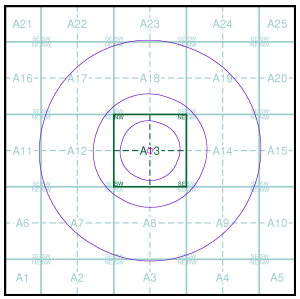
General

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

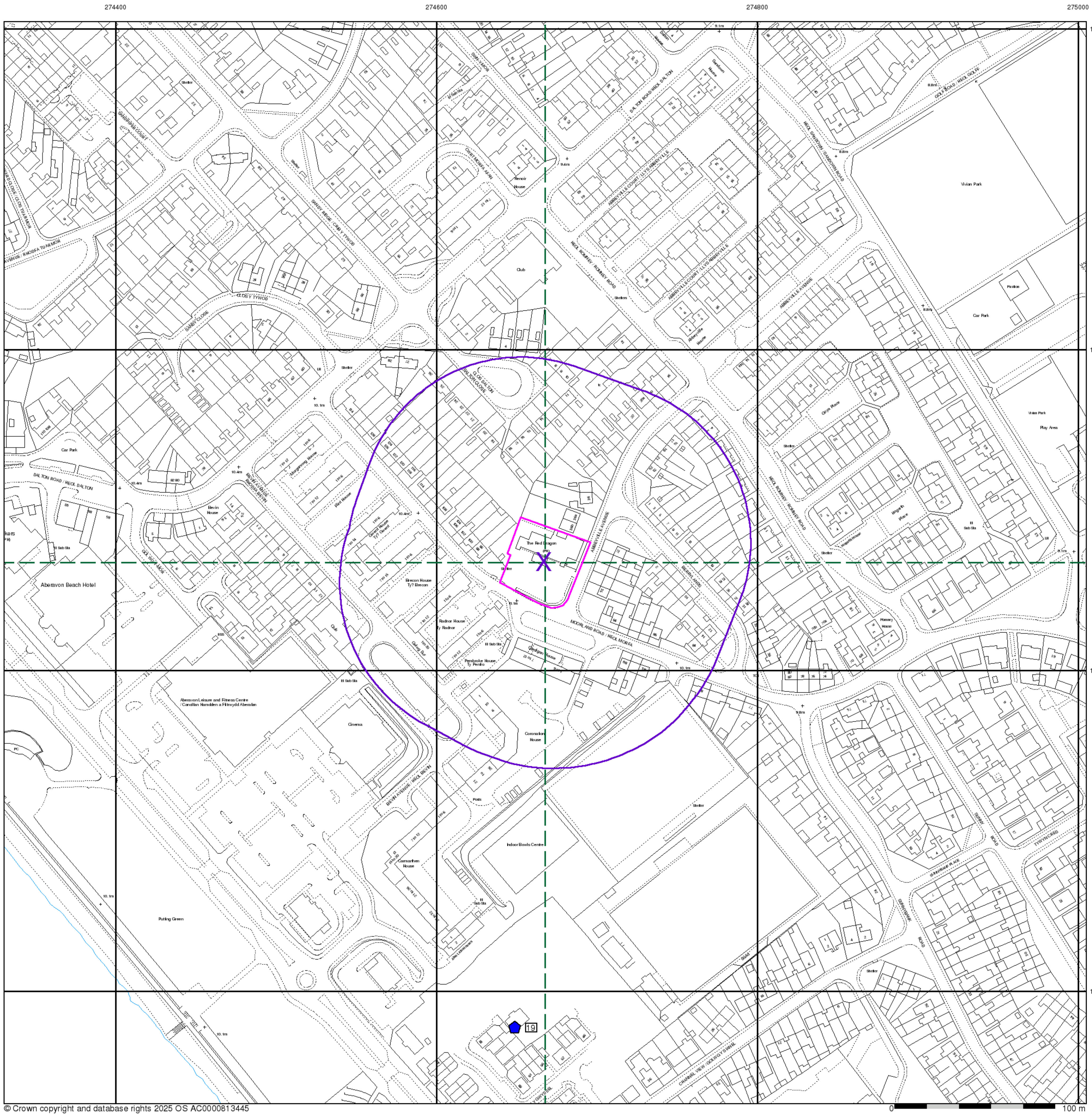
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General

- 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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

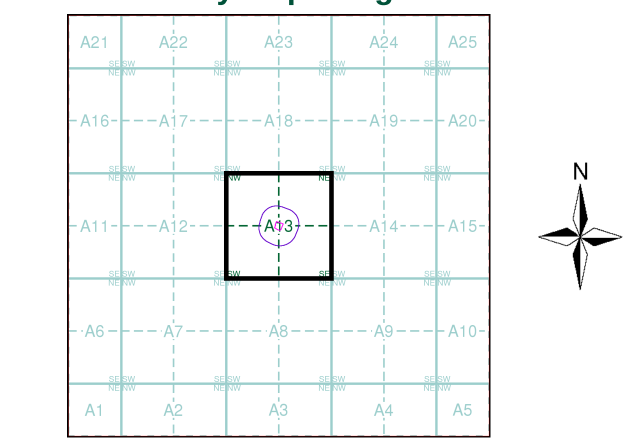
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

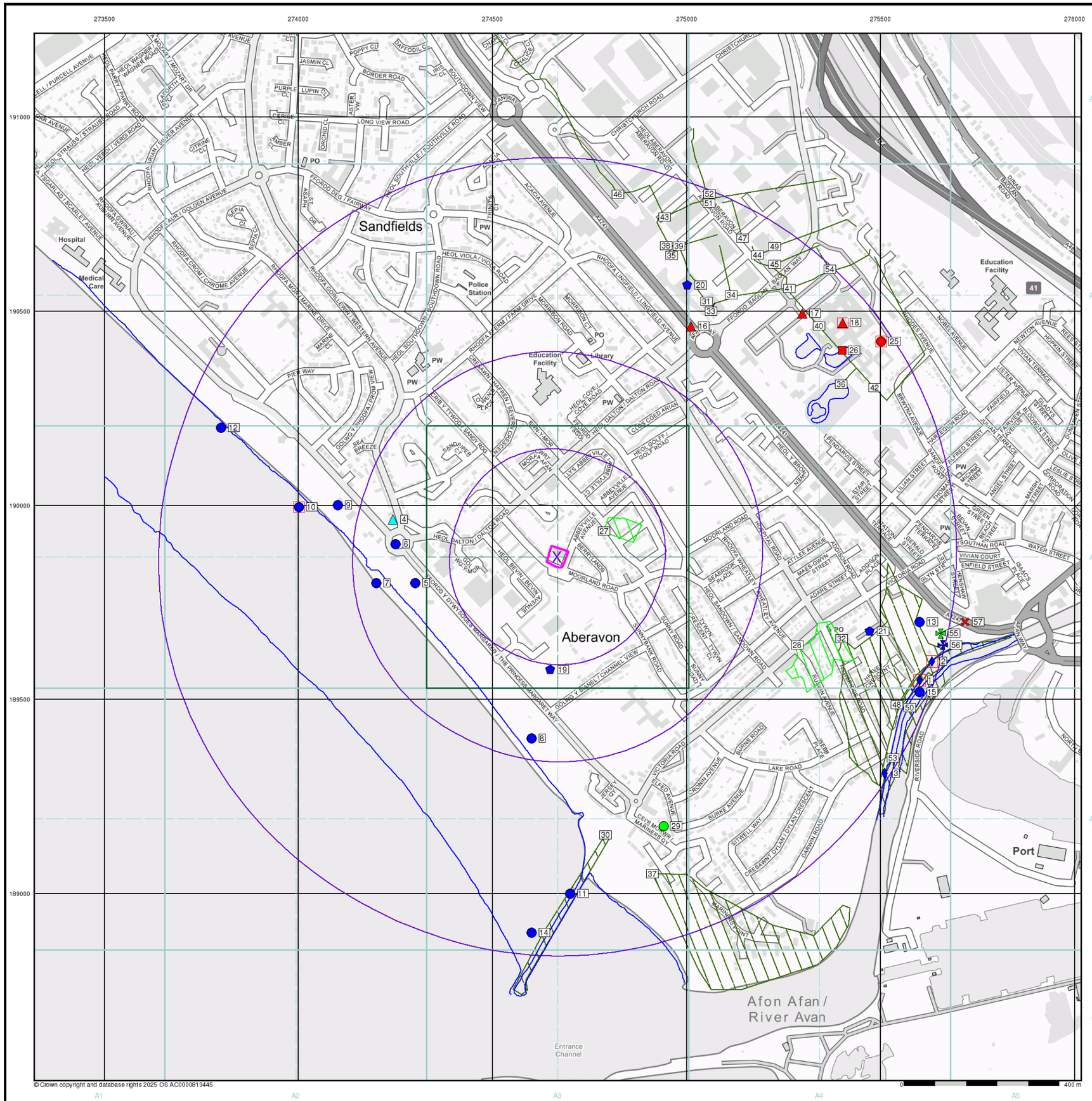
Order Number:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Plot Buffer (m):	100

Site Details

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General

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

Agency and Hydrological

- 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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

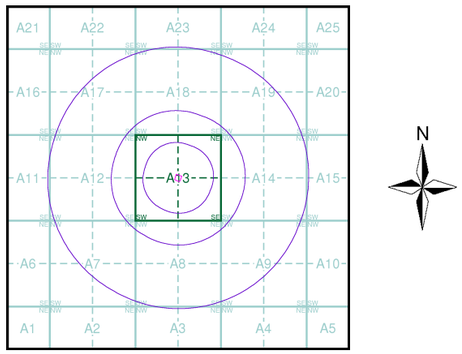
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



Order Details

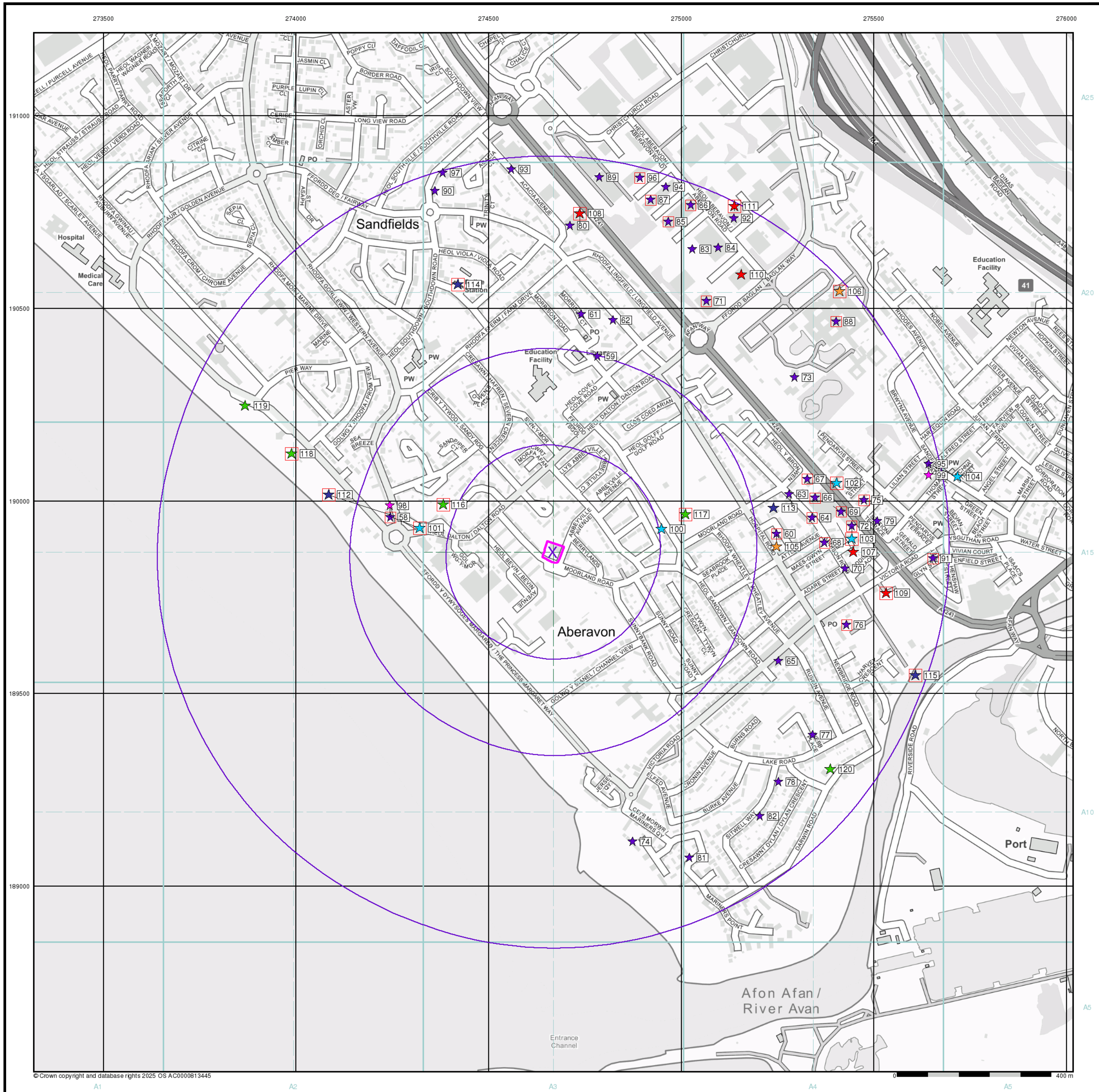
Order Number:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

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Industrial Land Use Map

General

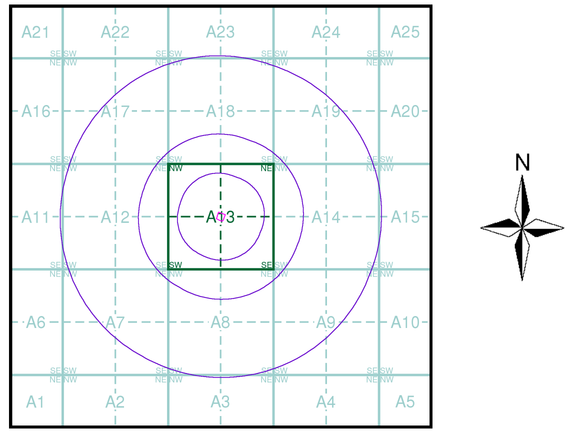
Specified Site — Specified Buffer(s) — X Bearing Reference Point

Slice — Map ID

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

Order Number:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

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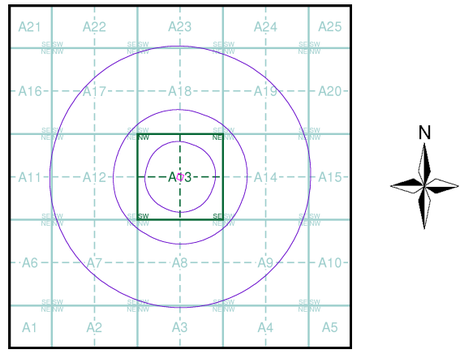
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

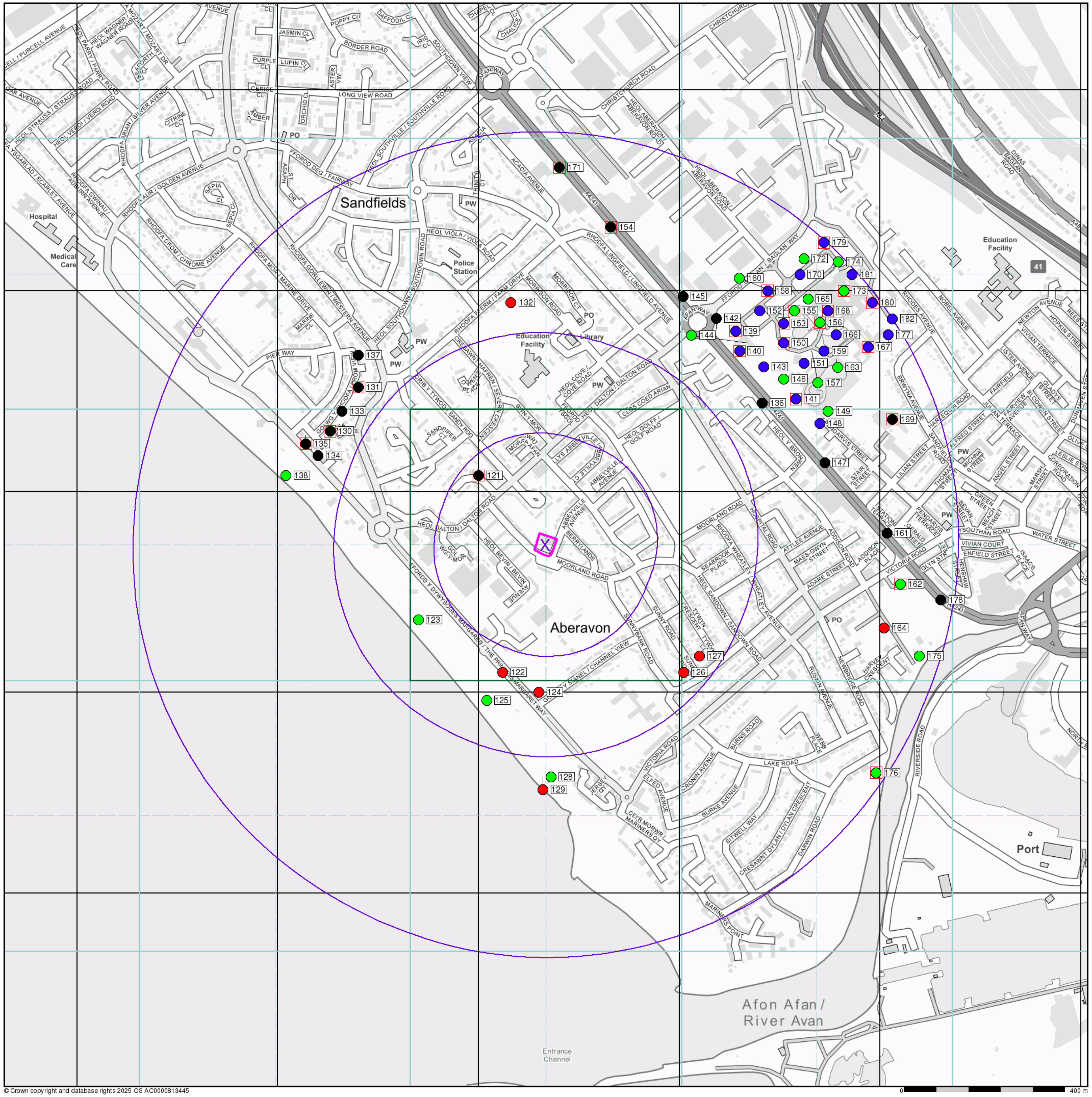
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Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

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- Bearing Reference Point
- Map ID
- Several of Type at Location

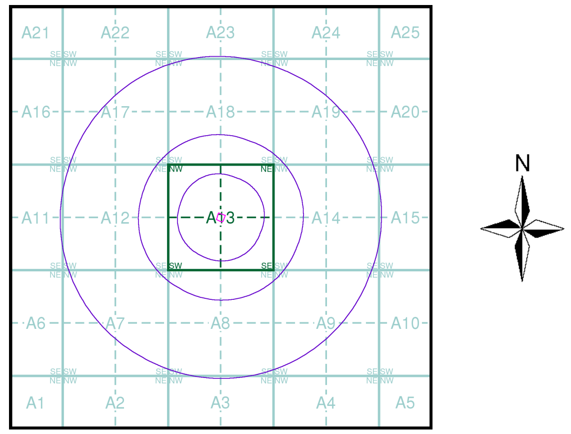
Agency and Hydrological (Boreholes)

- 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

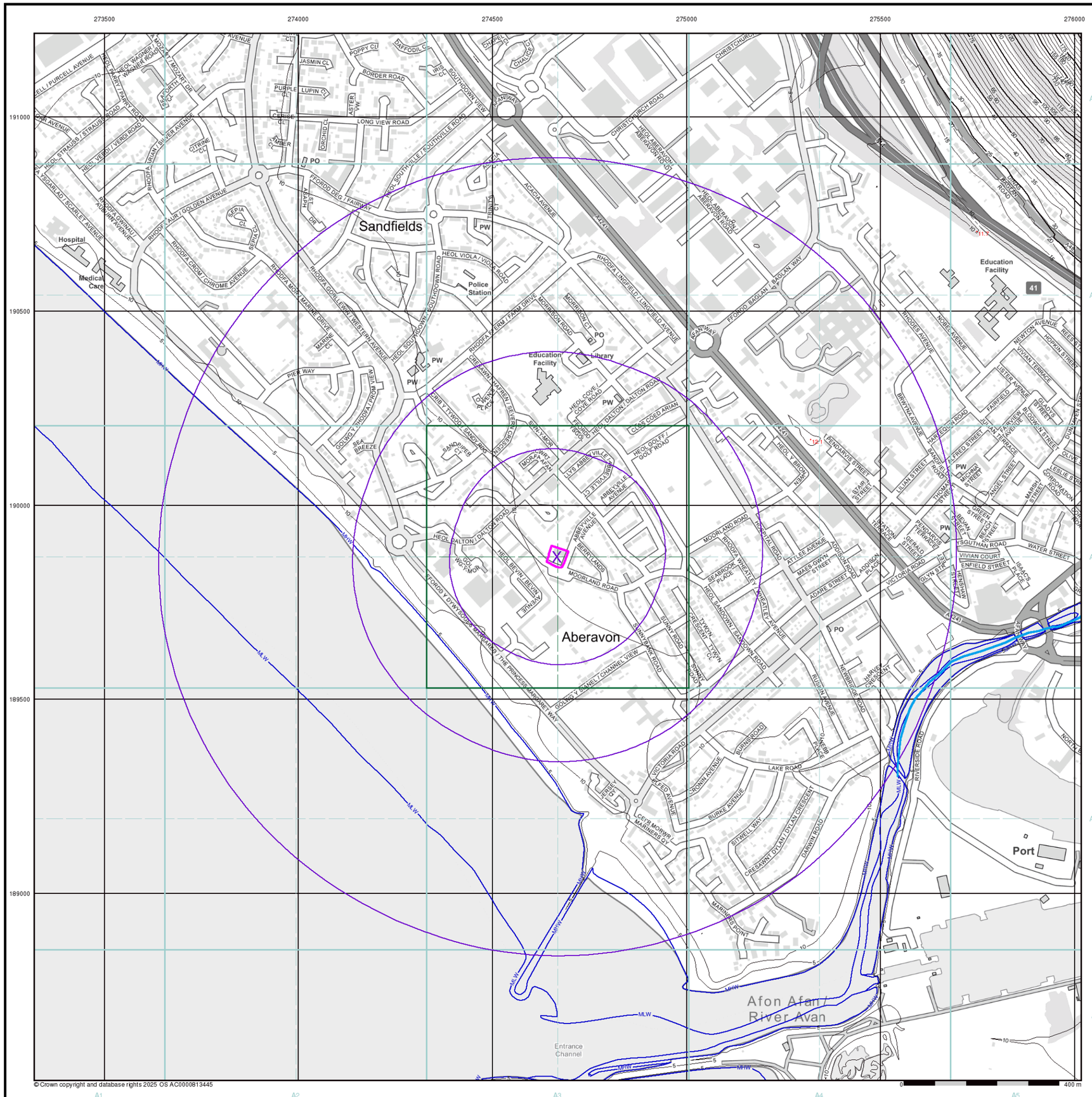
Order Number: 373531279_1_1
Customer Ref: TF-24-275
National Grid Reference: 274670, 189870
Slice: A
Site Area (Ha): 0.21
Search Buffer (m): 1000

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- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

Contours (height in meters)

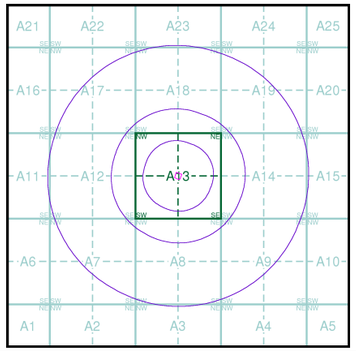
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

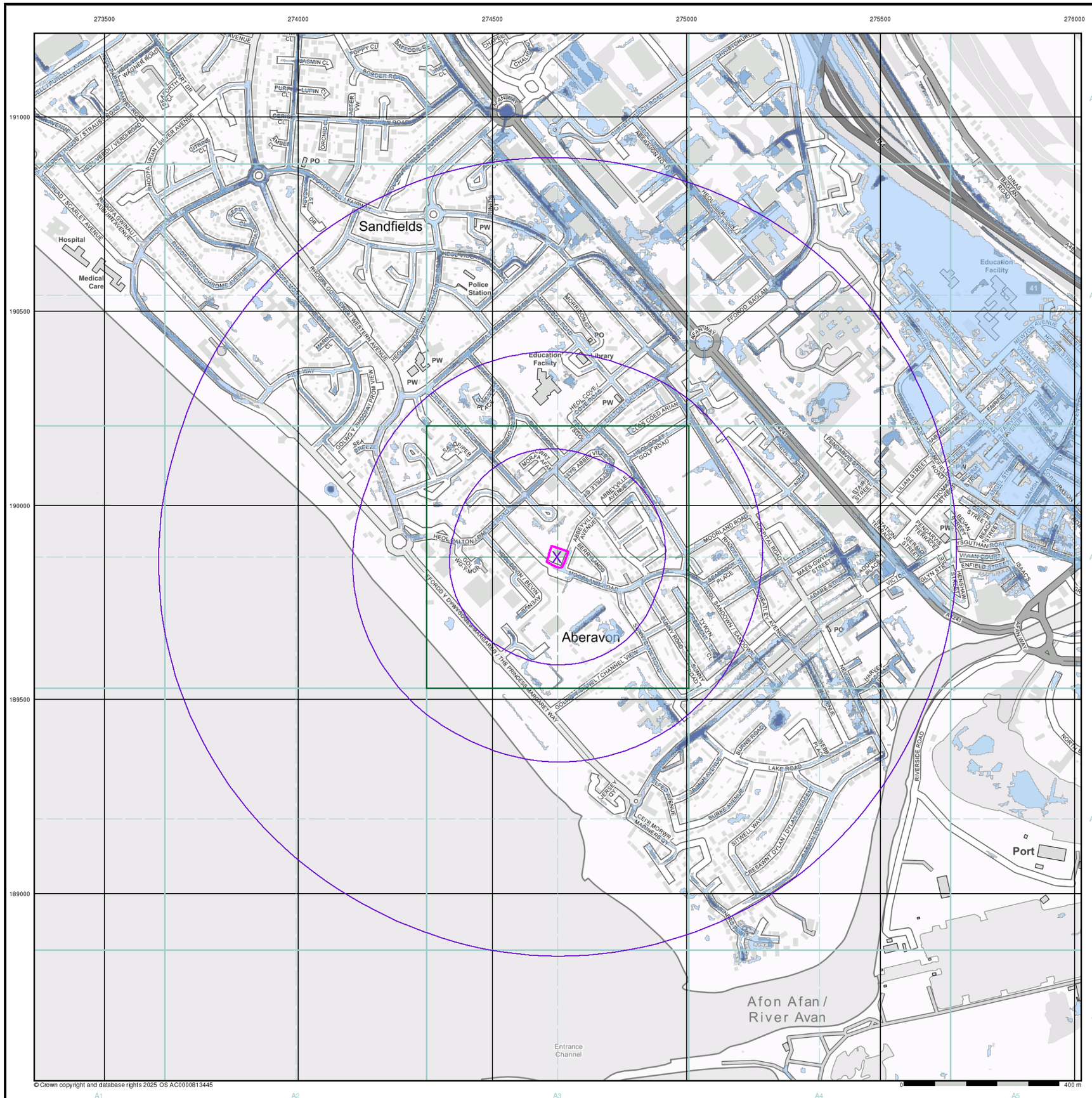
Order Number:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
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General

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

Risk of Flooding from Surface Water

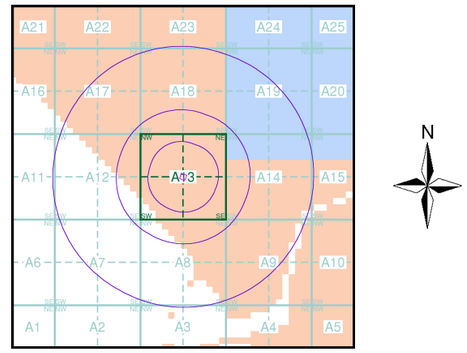
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

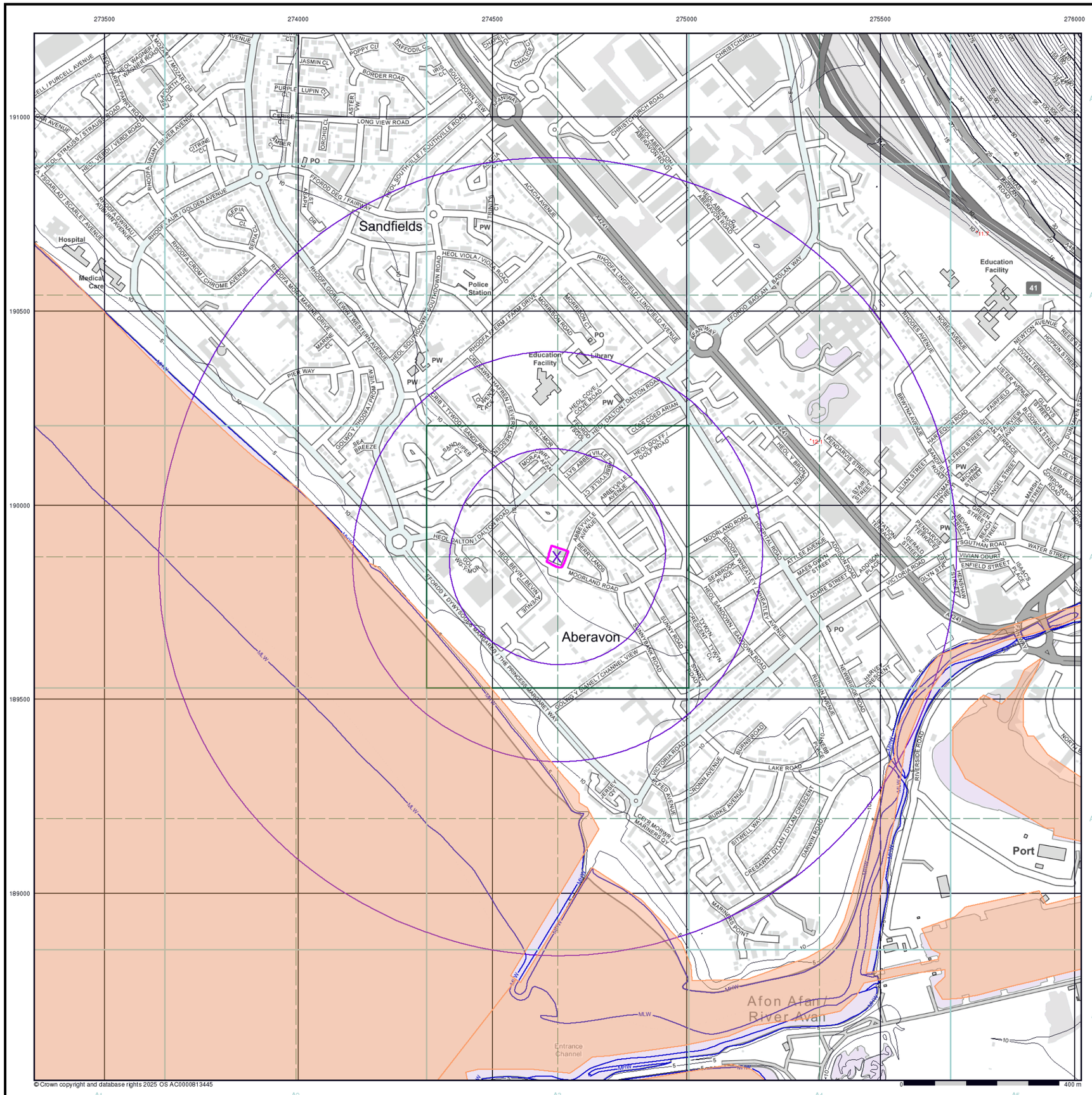
Order Number:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
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WFD Surface Waters Map

General

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

Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

Standard Contour 105 100 95

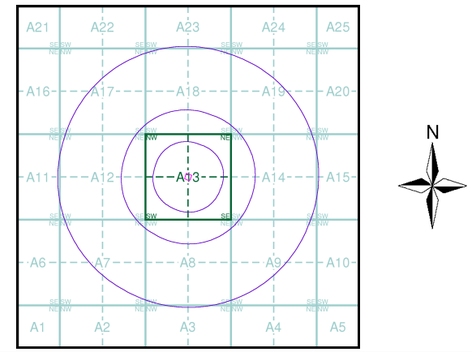
Master Contour

Spot Height * 167.3

MLW Mean Low Water

MHW Mean High Water

WFD Surface Waters Map - Slice A



Order Details

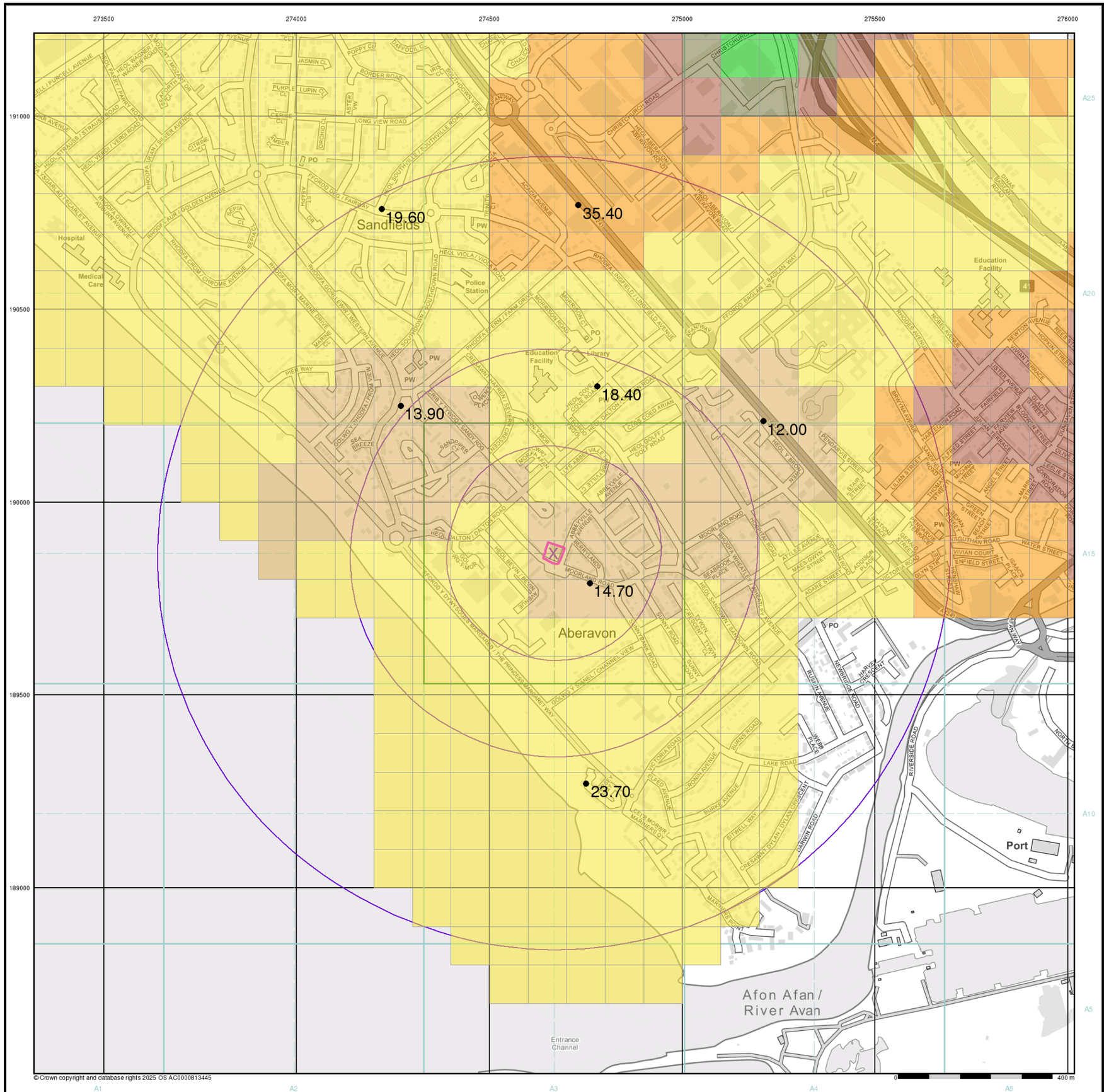
Order Number:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
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General

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

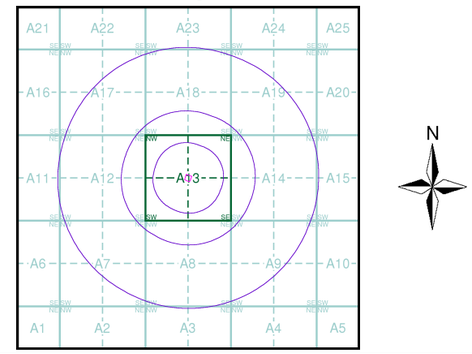
Urban Soil Chemistry Arsenic

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

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Urban Soil Chemistry Arsenic - Slice A



Order Details

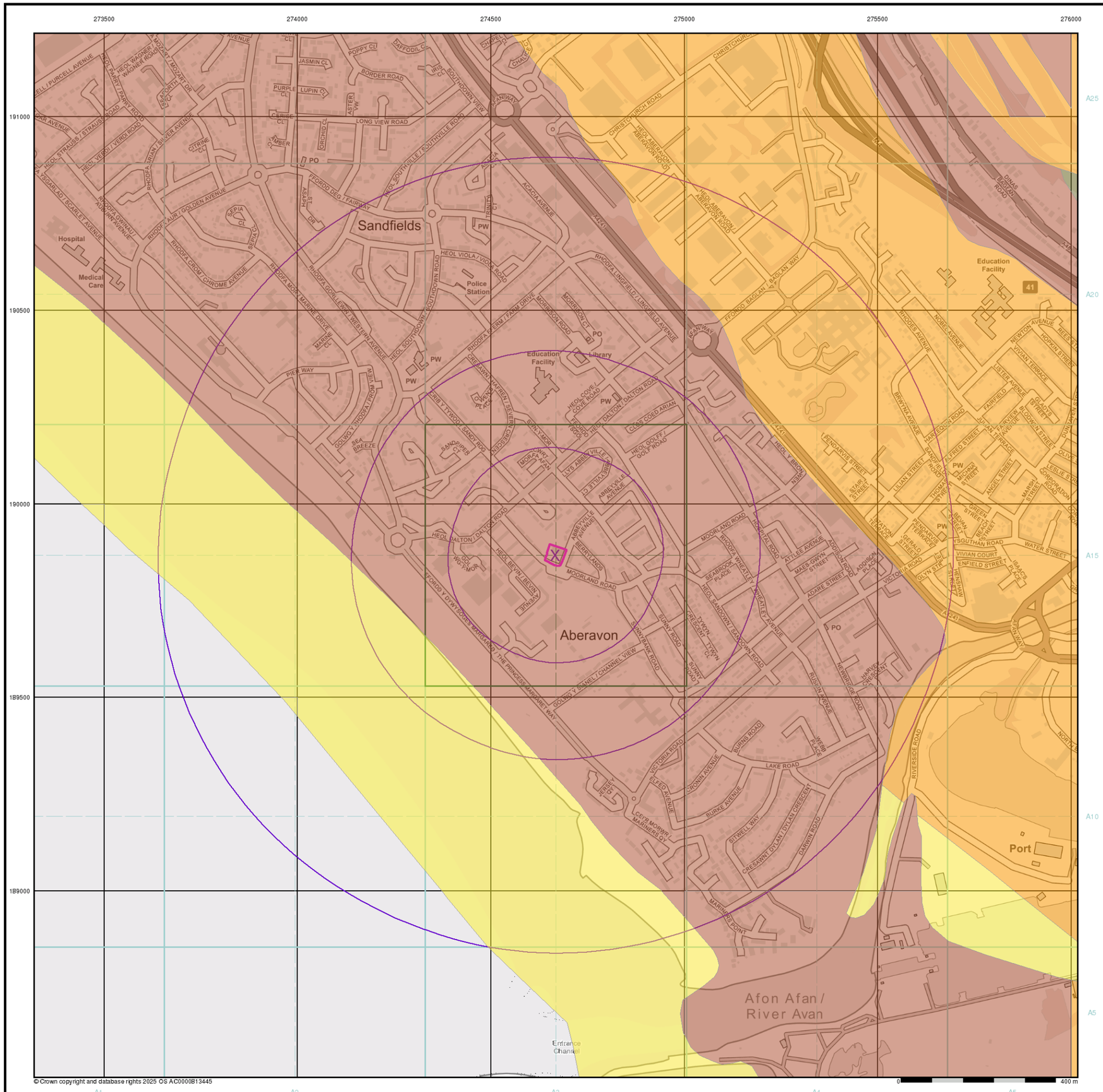
Order Details:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
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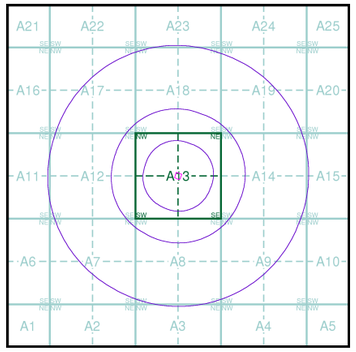
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



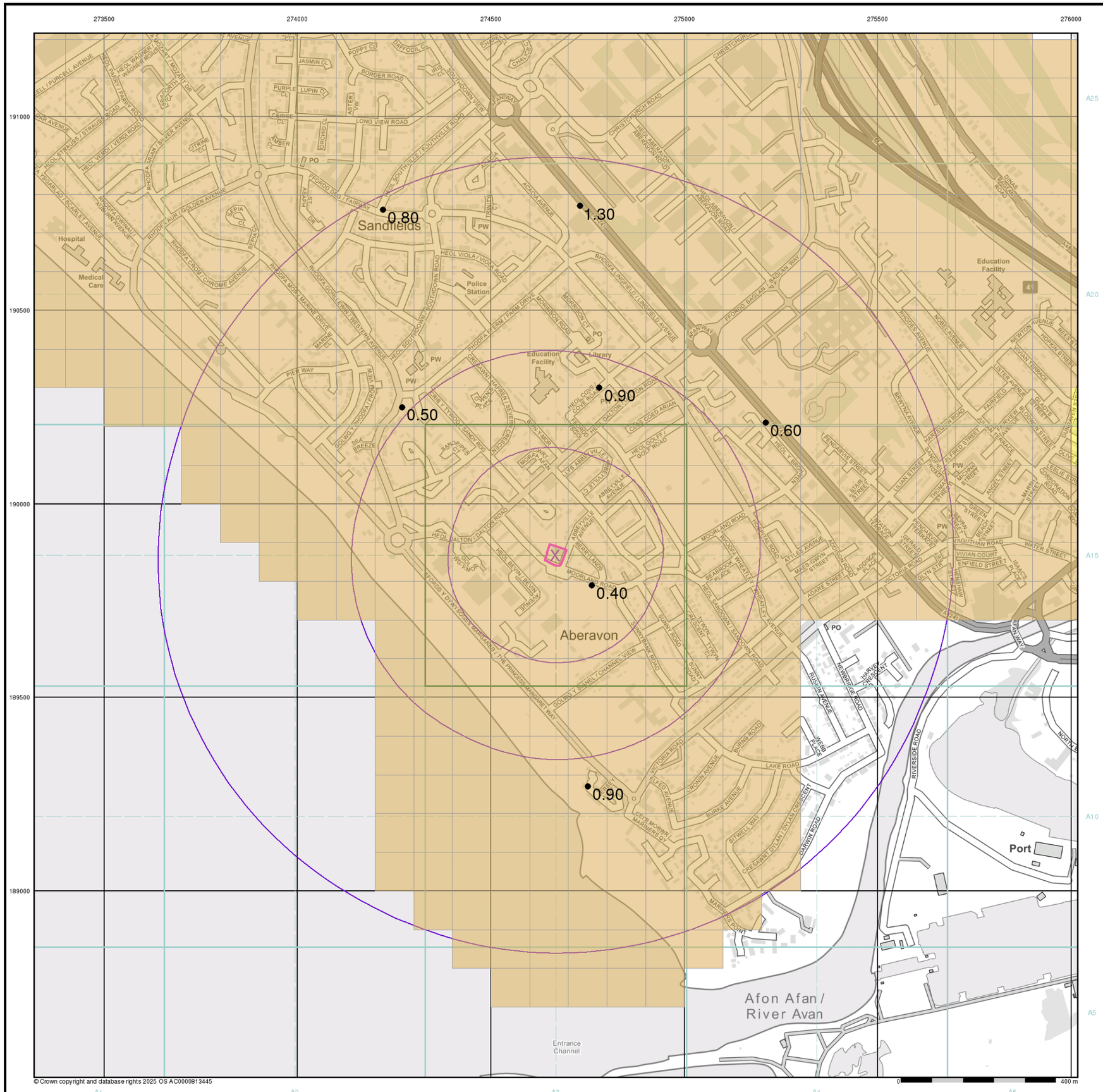
Order Details

Order Details:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
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General

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

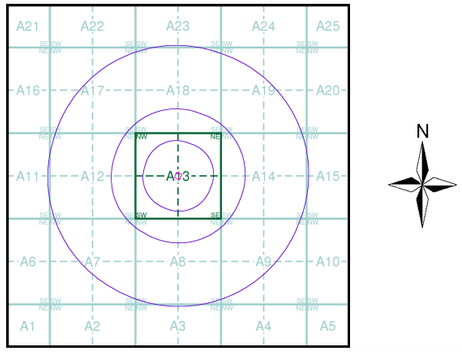
Urban Soil Chemistry Cadmium

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

Cadmium Concentrations mg/kg

< 1.8
1.8 - 2.2
2.2 - 3.0
> 3.0

Urban Soil Chemistry Cadmium - Slice A



Order Details

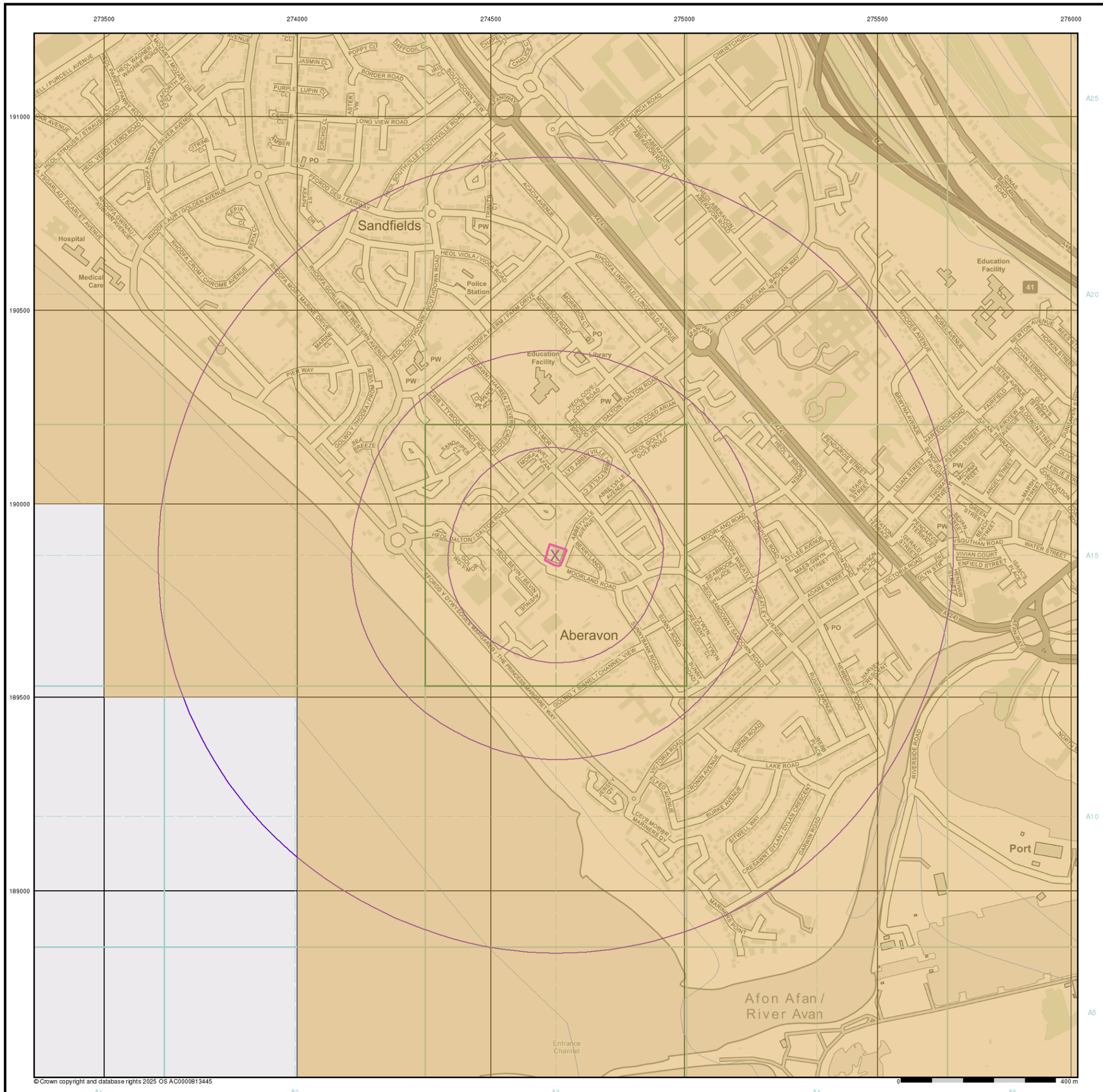
Order Details:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
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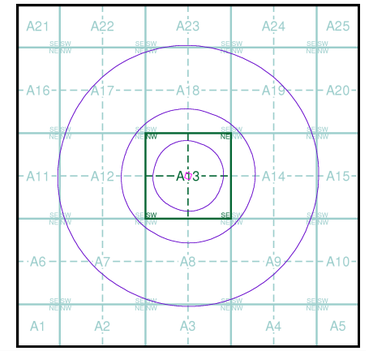
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



Order Details

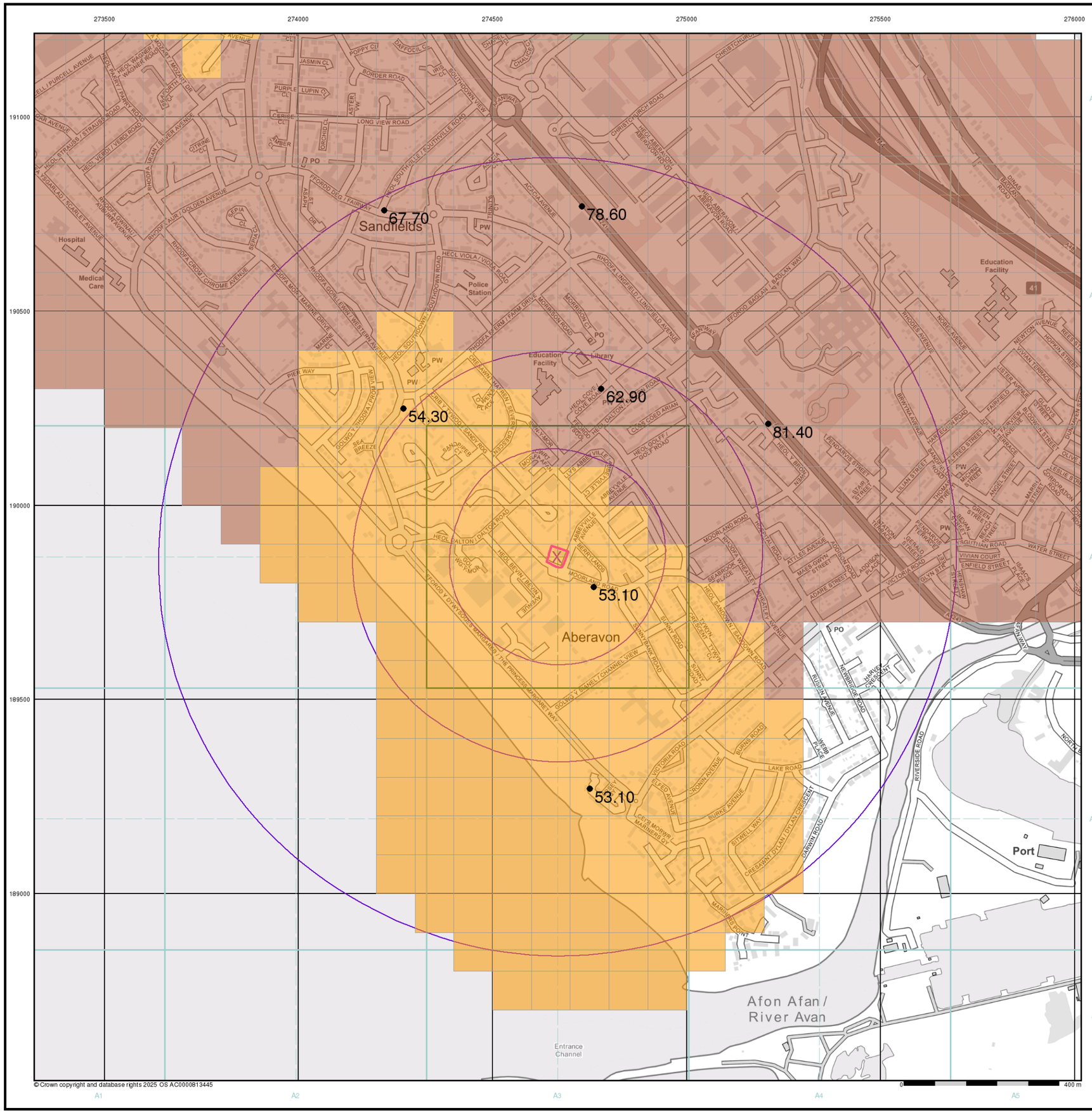
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Specified Site Specified Buffer(s) X Bearing Reference Point

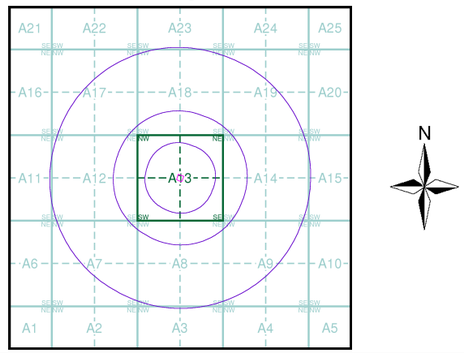
Urban Soil Chemistry Chromium

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

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Urban Soil Chemistry Chromium - Slice A



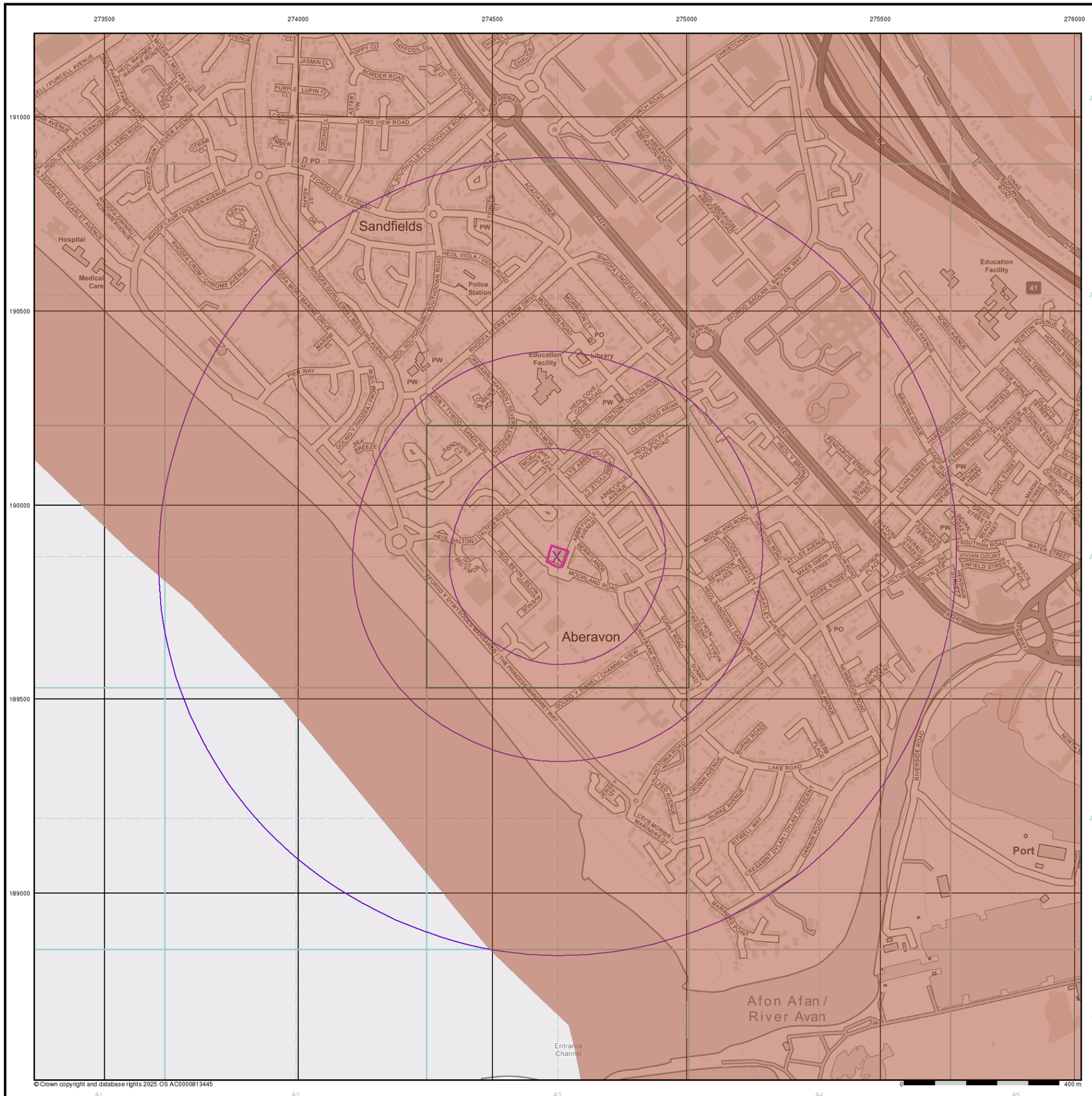
Order Details

Order Details:	373531279_1_1
Customer Ref:	TF-24-275
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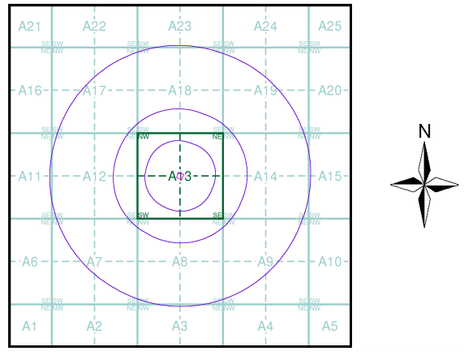
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



Order Details

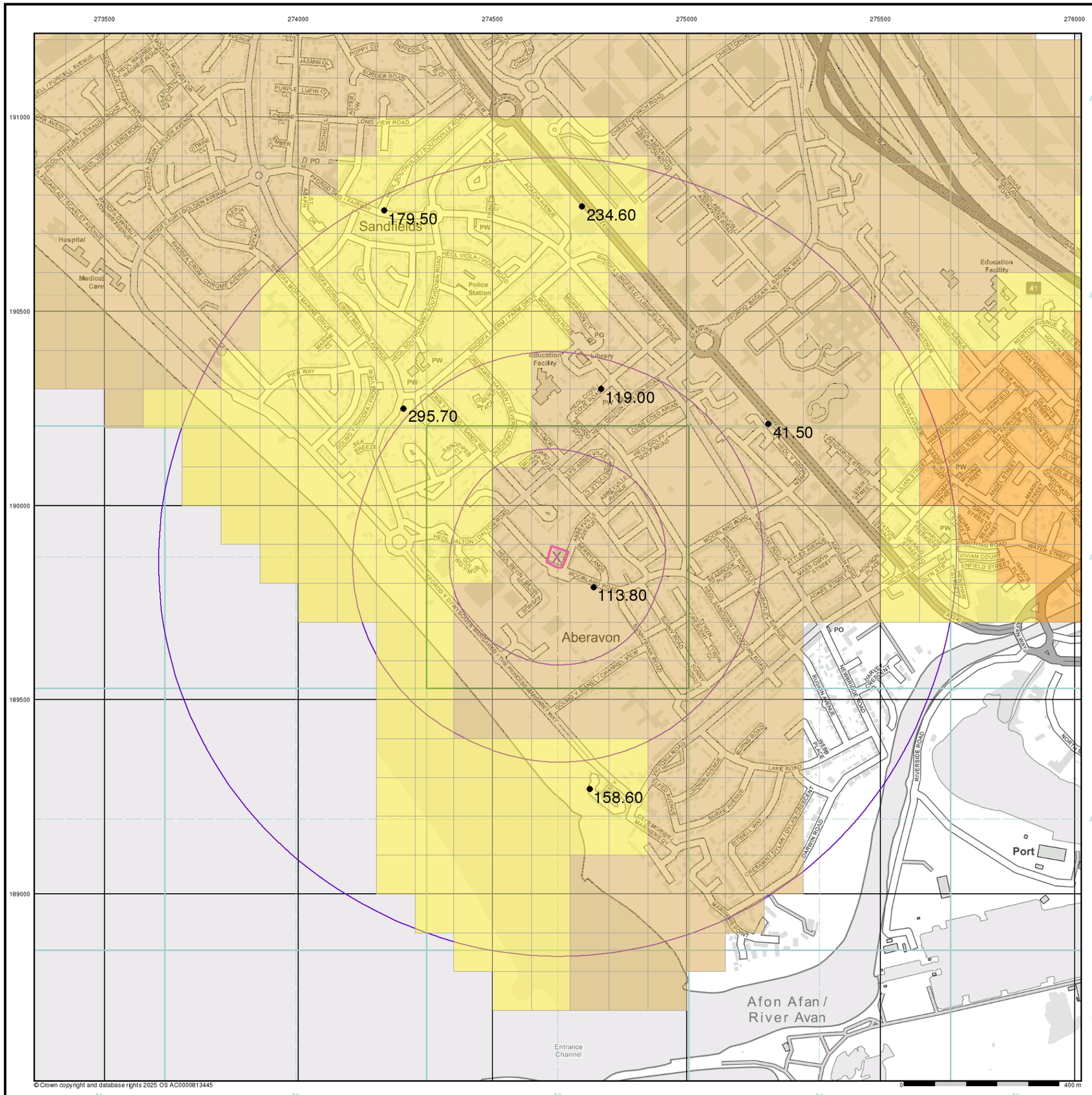
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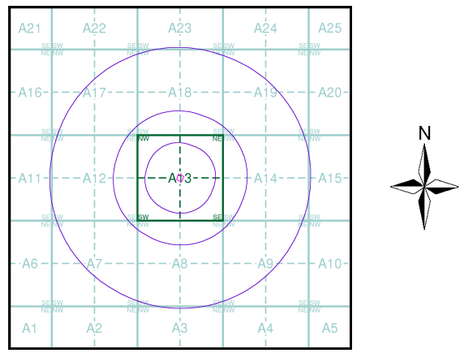
Urban Soil Chemistry Lead

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

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Urban Soil Chemistry Lead - Slice A



Order Details

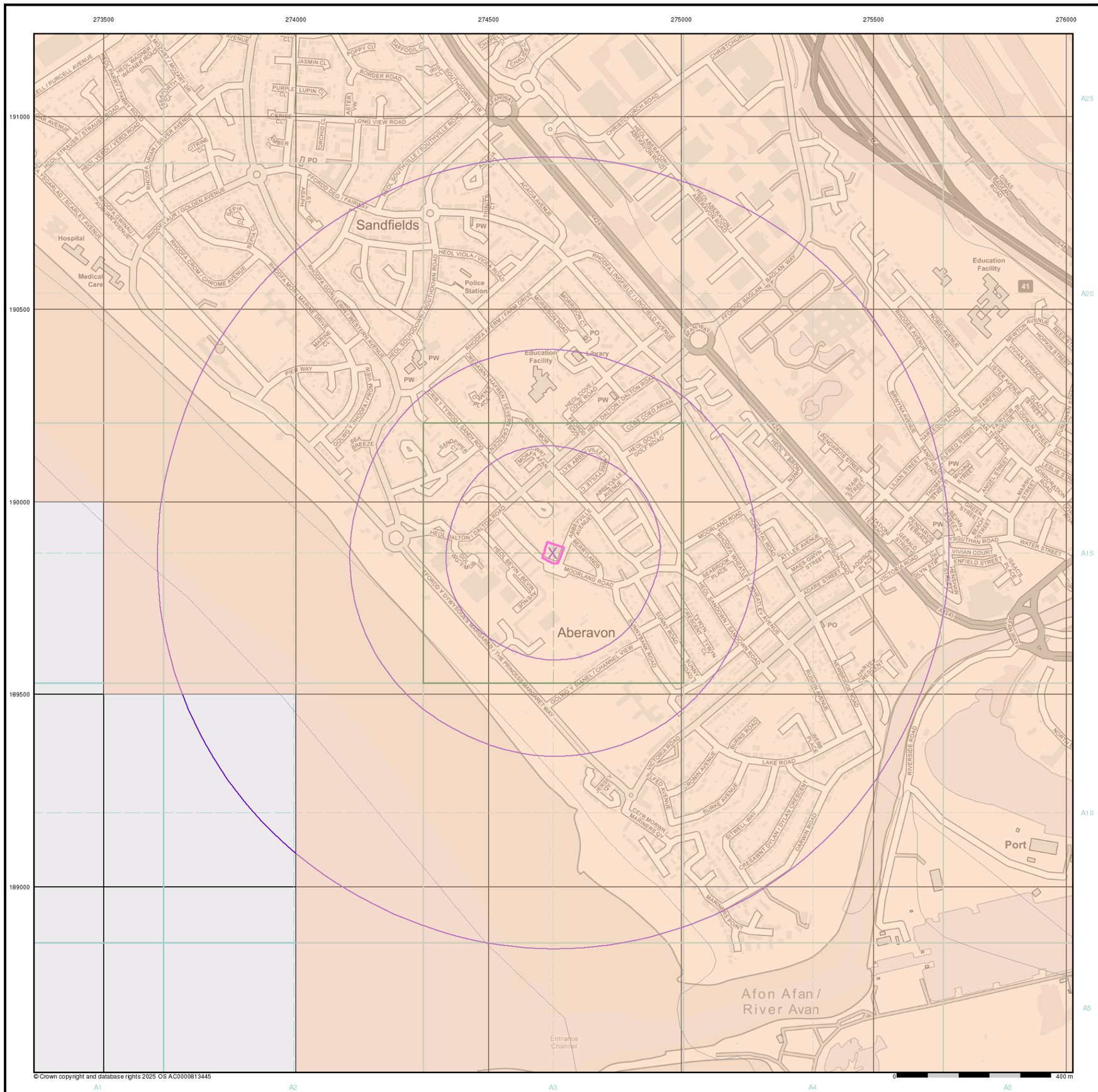
Order Details:	373531279_1_1
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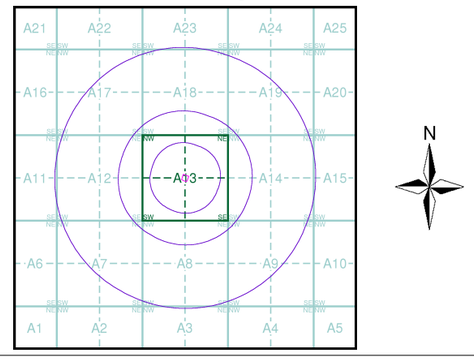
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



Order Details

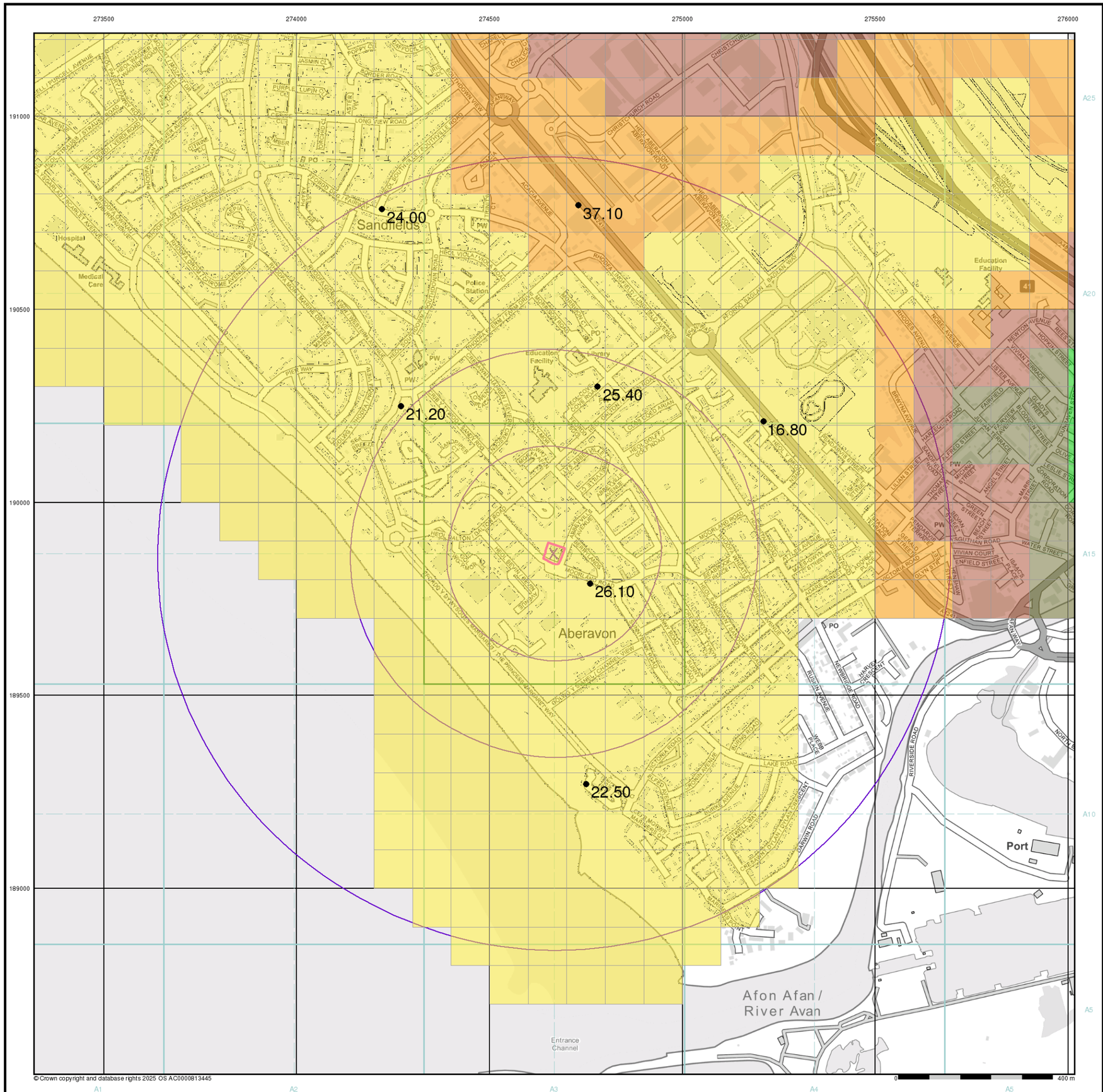
Order Details:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search buffer (m):	1000

Site Details

The Red Dragon, Moorland Road, PORT TALBOT, SA12 6JZ

Landmark INFORMATION GROUP

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



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Geotechnical & Geoenvironmental Specialists

General

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

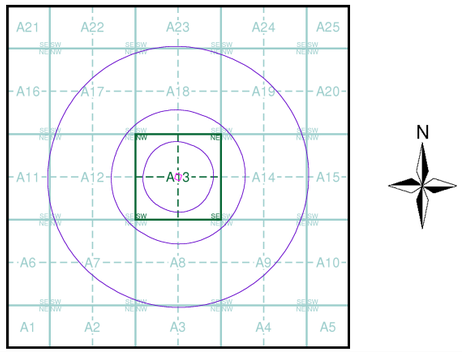
Urban Soil Chemistry Nickel

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

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Urban Soil Chemistry Nickel - Slice A



Order Details

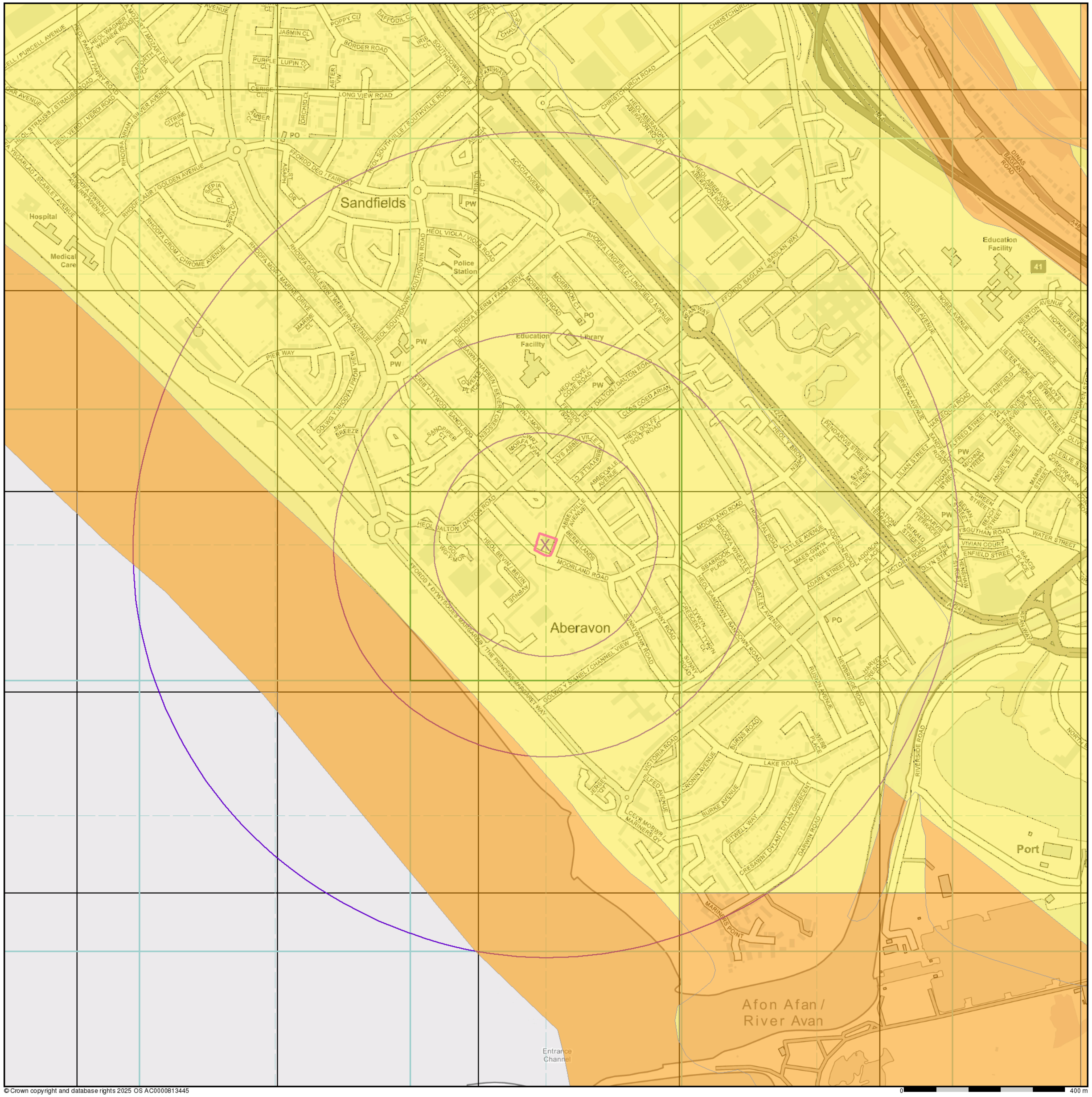
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Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
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General

Specified Site

Specified Buffer(s)

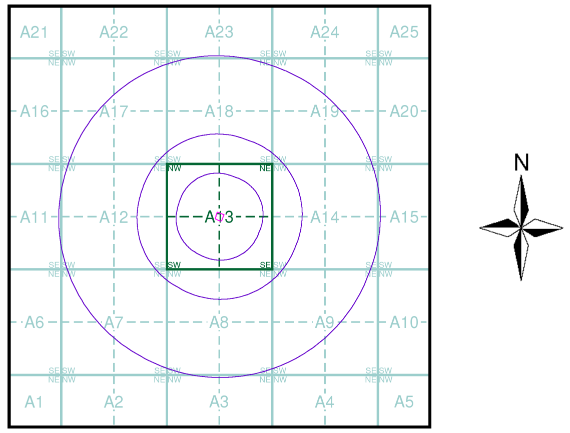
X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details:	373531279_1_1
Customer Ref:	TF-24-275
National Grid Reference:	274670, 189870
Slice:	A
Site Area (Ha):	0.21
Search buffer (m):	1000

Site Details

The Red Dragon, Moorland Road, PORT TALBOT, SA12 6JZ

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v50.0 01-Apr-2025

ANNEX B
Coal Mining Risk Assessment

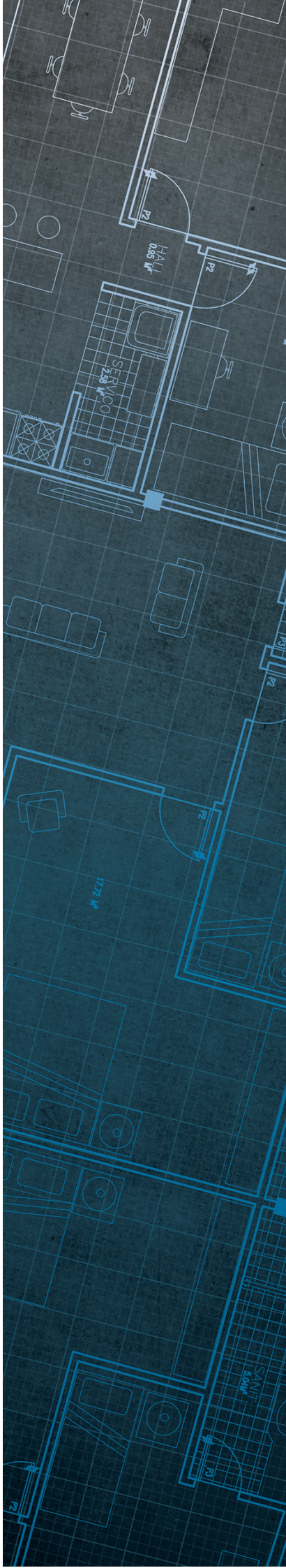
The Coal Authority

Consultants

Coal Mining Report

The Red Dragon, Moorland Road
Port Talbot
Neath Port Talbot
SA12 6JZ

Date of enquiry:	**1 April 2025**
Date enquiry received:	**1 April 2025**
Issue date:	**1 April 2025**
Our reference:	**51003489238001**
Your reference:	**373531279_2**



Consultants

Coal Mining Report

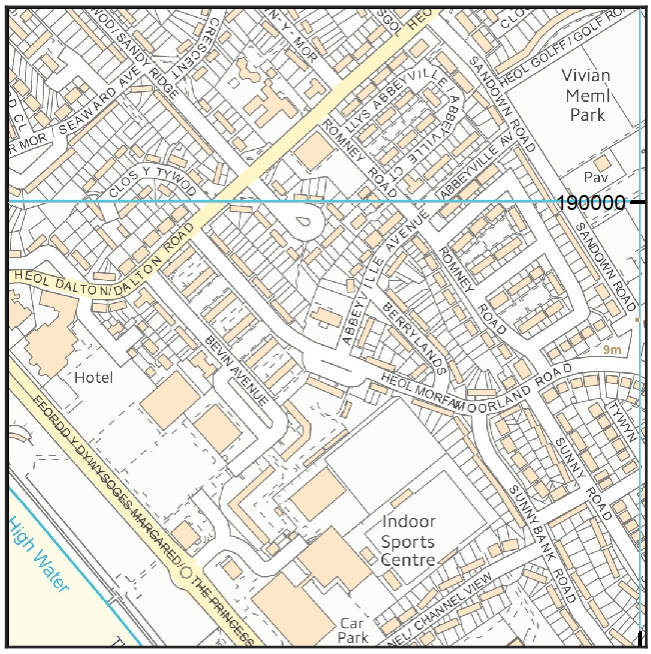
This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

NLIS Hub

Enquiry address

The Red Dragon, Moorland Road
Port Talbot
Neath Port Talbot
SA12 6JZ



Approximate position of property

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Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

@coalauthority
/company/the-coal-authority
/thecoalauthority
/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining
No past mining recorded.

Probable unrecorded shallow workings
None.

Spine roadways at shallow depth
No spine roadway recorded at shallow depth.

Mine entries
None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers
None available.

Outcrops
No outcrops recorded.

Geological faults, fissures and breaklines
No faults, fissures or breaklines recorded.

Opencast mines
None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips
None recorded within 500 metres of the enquiry boundary.

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Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations
None recorded within 50 metres of the enquiry boundary.

Remediated sites
None recorded within 50 metres of the enquiry boundary.

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

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

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

Mine gas
None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes
None recorded within 500 metres of the enquiry boundary.

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Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

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

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

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

Payments to owners of former copyhold land
The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

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Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

Future development

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

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

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Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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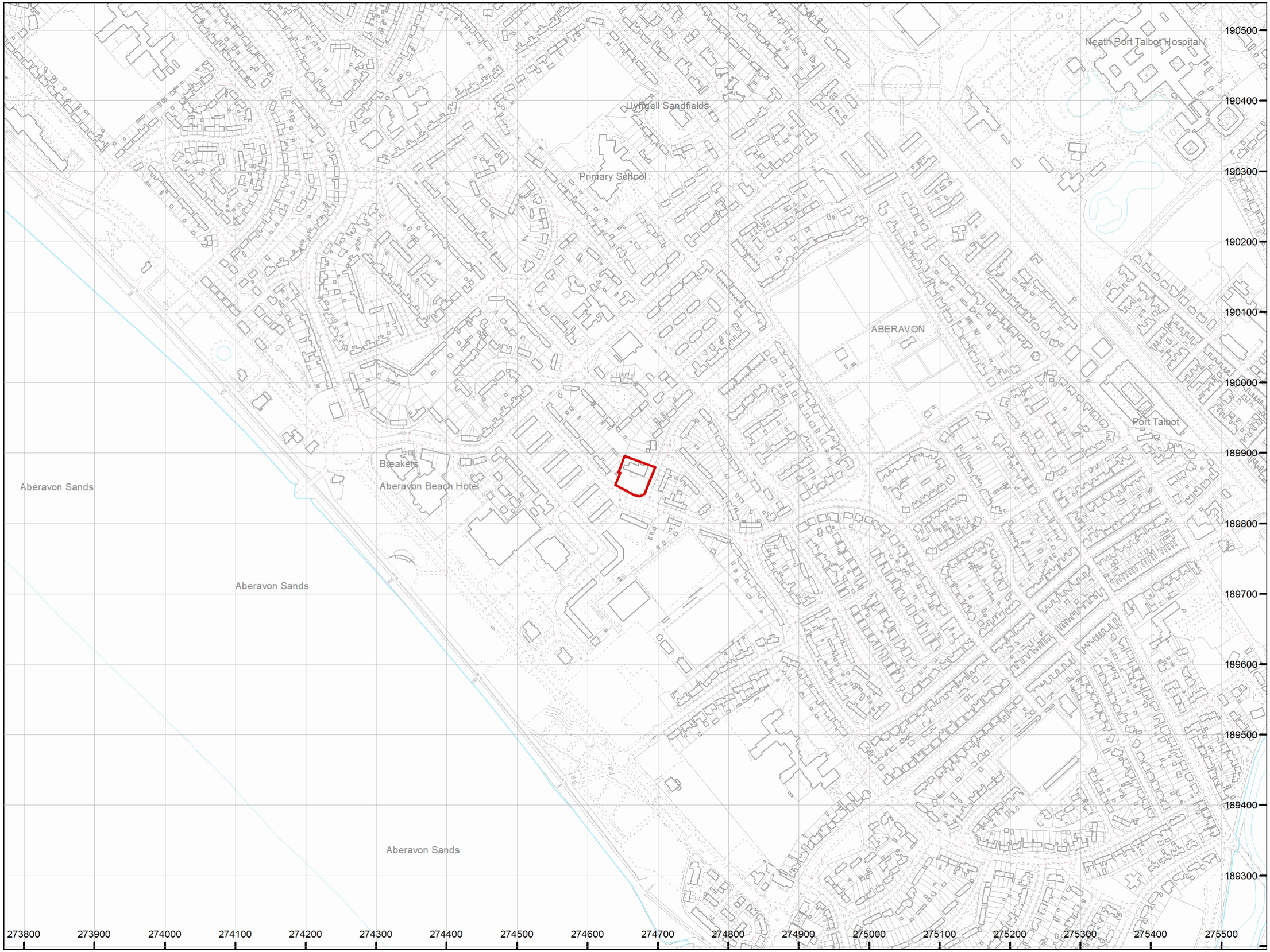
Summary of findings

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

Key

Approximate position of the enquiry boundary shown



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ANNEX C
Risk Assessment Definitions

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 overreaching 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 '**Contaminant Linkage**'. A contaminant 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.

Guidance provided by the Environment Agency to aid in managing risks from land contamination (Land Contamination Risk Management - LCRM), defines a 'Hazard' as:

> 'Hazard – *a property or situation that in particular circumstances could lead to harm'*

The term 'Risk' is widely used in different contexts and situations, but a prescriptive definition is also given in LCRM guidance:

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

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 contaminant 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 contaminant linkage which means that is it 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 contaminant 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 contaminant 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 contaminant 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.

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