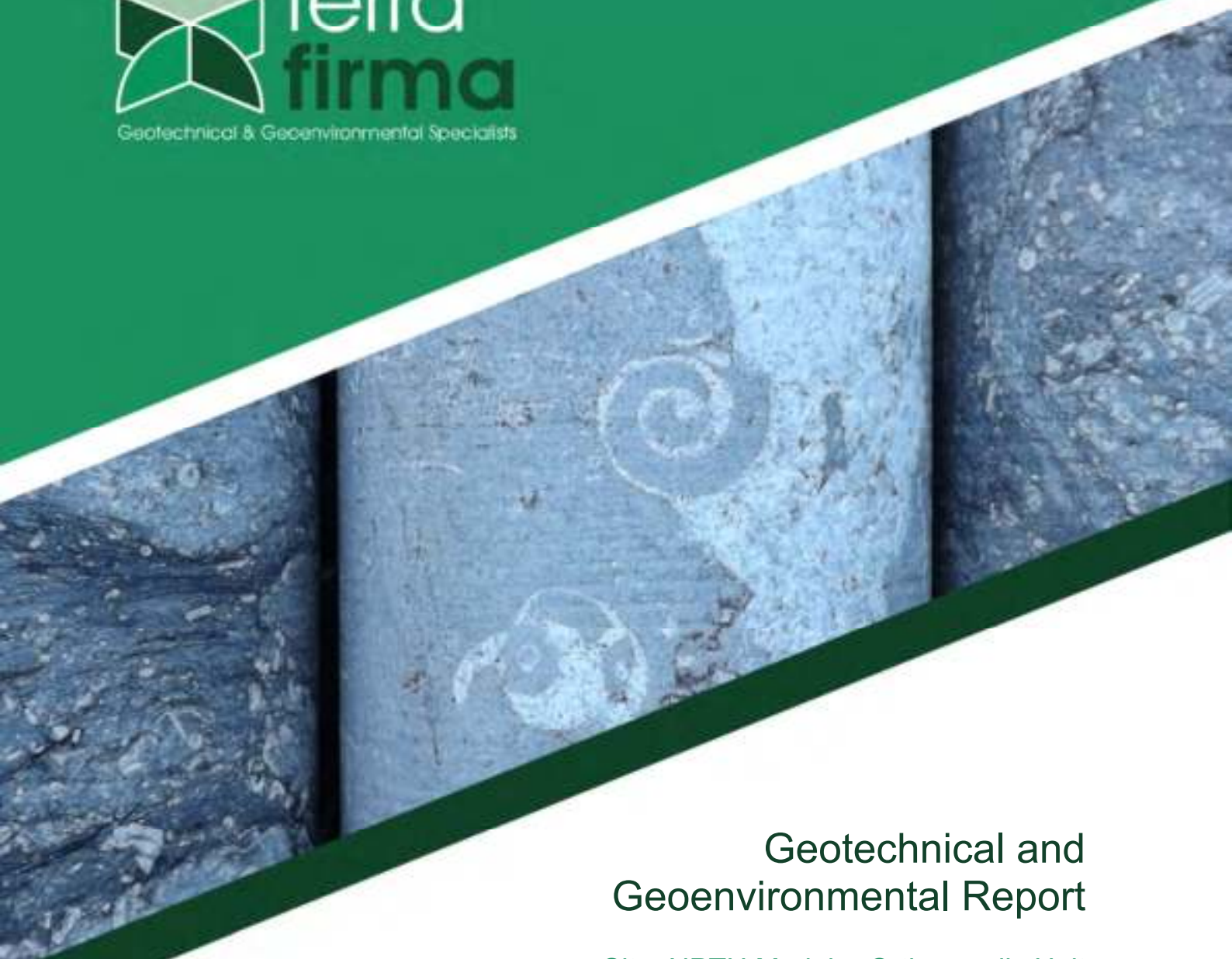




Geotechnical and Geoenvironmental Report

Site: NPTH Modular Orthopaedic Unit

Prepared For: Swansea Bay University Health Board

Issue Date: November 2022

Job No: 17166

REPORT TITLE : **Geotechnical and Geoenvironmental Report:
Proposed Orthopaedic Modular Unit, Neath Port
Talbot Hospital**

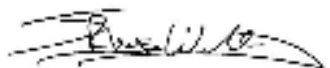
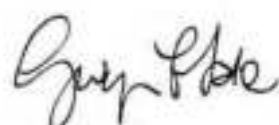
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	Name	Signature
Prepared	James Rhys-Williams BSc FGS SGPV	
Checked	Mathew Lake MEng FGS Tech IOSH	
Approved	Gwyn Lake BSc (Hons). PhD, CGeol, FGS	

Executive Summary

Site Location and Proposed Development	Swansea Bay University Health Board is proposing the development of a Modular Orthopaedic Unit at Neath Port Talbot Hospital. The development site locates between the existing hospital structure to the west and energy centre to the east, within the wider hospital grounds. The site centres on an approximate National Grid Reference of 275440, 190540 occupying a plan area of approximately 0.07 Hectares.
Site History	The site remains undeveloped until the construction of the hospital in c2000. Allotment gardens are recorded at the site from c1978. A refuse tip, declared disused by 1971 located just off site to the southwest.
Geology	The site is shown to be underlain by rock of the South Wales Middle Coal Measures. These are shown to be overlain by Tidal Flat Deposits and Made Ground.
Radon	Radon protective measures are not required for new developments on the investigation site.
Coal Mining Risk Assessment	The overall risk to the surface stability of the site from possible unrecorded workings is considered negligible.
Ground Conditions	Made ground comprising sand and gravel was encountered to a depth of between 5.10-6.50m. Very soft to soft tidal flat silty clay with interbedded fibrous peat overlies dense to very dense sandy gravel at 12.20-13.10m. Bedrock was not encountered.
Contamination of Concern	Sulphate, Asbestos(<0.001%), Methane
Ground Gas Risk Assessment	A potential pollutant linkage has been established. Under the right conditions ground gasses may present a significant risk to identified receptors. To protect the future site users from identified ground gas, proposed structures will need to incorporate within its construction a suitable ground gas protection system.
Foundation Solution	It is recommended a bored/CFA piled foundation solution founded within the very dense gravels at an approximate depth of 12.00 to 15.00m below existing ground level is used. For a 300mm diameter pile with a typical length of 12.00 to 15.00m an allowable working load of 400kN should be achieved.
Recommended Further Works	Remediation Strategy & Ground Gas Protection System Verification Plan Validation of the Remediation Strategy and Ground Gas Protection System

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ANNEX B Coal Authority Report
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ANNEX D Trial Pit Logs
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Drawing 01 Site Layout

SECTION 1 Introduction and Proposed Development

1.1 Introduction

Swansea Bay University Health Board (the Client) is proposing the development of a Modular Orthopaedic Unit at Neath Port Talbot Hospital.

TFW Group Limited hereon referred to as Terra Firma have been commissioned by RVW Consulting, the project engineer, on behalf of the Client to undertake a geoenvironmental assessment and geotechnical investigation of the site.

The main objectives of the geoenvironmental assessment programme are:

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

The main objectives of the geotechnical site investigation are:

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

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

1.2 Limitations and Exceptions of Investigation

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

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

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

1.3 Quality Assurance

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

SECTION 2 Review of Existing Data

2.1 Physical Setting and Current Site Use

The development site is rectangular in shape and locates between the existing hospital structure to the west and energy centre to the east, within the wider hospital grounds. The site centres on an approximate National Grid Reference of 275440, 190540 occupying a plan area of approximately 0.07 Hectares.

The investigation area comprises open undeveloped land, with footpaths crossing to the northeast and southeast, areas of grass and gravel and a small concrete slab positioned centrally within the area.

The site elevation is approximately 7m AOD and relatively level.

The site location can be seen on **Figure 2.1** along with the site layout on **Drawing 01**.

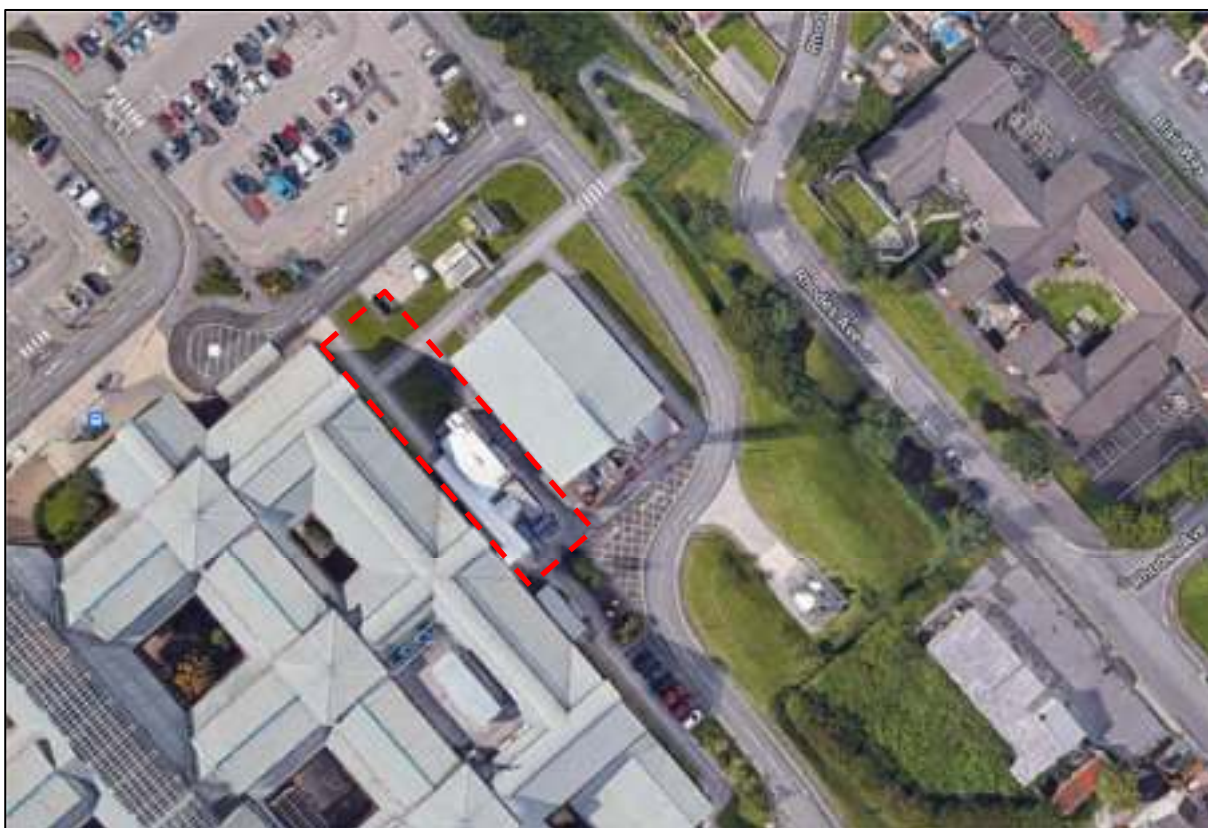


Figure 2.1 Site Location (Google Satellite Imagery)

2.2 Site History

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

Table 2.1 Historical Development from Map Information

Map Edition & Scale	Key Features on Site	Key Features off Site
1876/1877 (1:2,500)	The site is shown to comprise undeveloped	Land is generally undeveloped in the immediate vicinity. Drainage reens cross the area.

	land located in Aberavon Moor.	A railway line runs 330m NE and 'sand' siding runs 330m SE of the site.
1884 (1:10,560)	The site remains unchanged.	The surrounding area remains unchanged.
1899 (1:2,500)	The site remains unchanged.	The Rhondda & Swansea Bay Railway has been constructed 350m SW. Sand siding is recorded as disused. Terrace housing, known as Sandfields has developed to within 460m SE.
1900 (1:10,560)	The site remains unchanged.	The surrounding area remains unchanged.
1917/1918 (1:2,500)	The site remains unchanged.	Further urban development has occurred in Sandfields, 380m SE of the site.
1921 (1:10,560)	The site remains unchanged.	The surrounding area remains unchanged.
1936/1939 (1:2,500)	The site remains unchanged.	Further urban development has occurred in Sandfields, 320m S of the site.
1949 (Aerial)	The Aerial Photo shows the site to comprise undeveloped land	The site is immediately surrounded by fields.
1951/1952 (1:10,560)	The site remains unchanged.	An allotment garden is indicated 90m SE. A refuse heap is located 120m SW
1971/1972 (1: 1,250 & 1:2,500)	The site remains unchanged.	A refuse tip indicated 140m WSW. to 60M W. Urban expansion has occurred 380m SW and SE. Tip recorded as disused by 1971.
1974 (1:10,000)	The site remains unchanged.	The surrounding area remains unchanged.
1978/1989 (1:1,250)	The far south of the site is included within allotment gardens.	Residential housing locates 110m SE and a Hostel locates 70m NE
1991/1993 (1:1,250)	The site remains unchanged.	Commercial/Industrial Units locate 220m NW
1995 (1:10,000)	Allotments no longer recorded at the site.	The surrounding area remains unchanged.
2000 Aerial Photo	The photo shows earthworks underway at the site.	-
2006 (1:10,000)	The site is shown to locate in the NE of a Hospital Development	The site is surrounded by Neath Port Talbot Hospital
2021 (1:10,000)	The site remains unchanged.	The site is surrounded by Neath Port Talbot Hospital

2.3 Anecdotal Information

It is understood that by the 1970's the Tip known to have located to the southwest extended onto the site.

2.4 Geological Setting

2.4.1 Geology

The 1:50,000 scale BGS geological map of the area (Sheet 247 Swansea) was consulted for geology underlying the site. The site is shown to be underlain by rock of the South Wales Middle Coal Measures. These are shown to be overlain by Tidal Flat Deposits and Made Ground. Detailed stratigraphical information is provided in **Table 2.2**.

Table 2.2 Detailed Stratigraphical Information

Period	Formation
Quaternary	Tidal Flat Deposits – Sand, silt and clay
Carboniferous	South Wales Middle Coal Measures – Grey productive coal bearing mudstone, siltstone with seatearths and minor sandstones

Made ground is anticipated at the site.

2.4.2 BGS Borehole Information

The site may have been reprofiled since boreholes were performed.

BGS Borehole SS79SE396 locates within the study site at an elevation of 7.19m AOD. The borehole was performed in 1999 and encountered 3.80m of Made Ground, including slag, over firm, very silty clay. Water rose to 2.80m BGL.

BGS Borehole SS79SE397 locates south of the study site. The borehole was performed in 1999 and was commenced at 6.56m AOD. The borehole encountered 4.20m of Made Ground, including slag, over sandy, very silty clay with occasional gravel and lenses of peat. At 11.4m depth below ground level very dense sandy slightly silty gravel was encountered.

2.4.3 Radon

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

2.4.4 Mining

A Coal Authority CON29M Report was obtained for the site. The report revealed that the site is not in a surface area that could be affected by recorded underground coal mining. The Coal Authority Report is presented in **Annex B**.

There are no BGS mineral sites as recorded within 500m of the study site.

2.4.5 Natural Hazards

The underlying geology is not prone to dissolution and the risk of natural cavities in the bedrock is considered negligible.

Shallow superficial soils have the potential for compressible ground, sensitive clays and running sand conditions.

Peat is anticipated at depth beneath the site.

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 – Undifferentiated.

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. Groundwater may be tidally influenced.

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

There are no groundwater abstractions within 500m of the site.

2.5.2 Hydrology

The nearest surface water feature locates off site 114m south and comprises a pond.

2.5.3 Flooding

The Agency and Hydrological Map in the Envirocheck Report does not show the site to be affected by Zone 2 or Zone 3 flooding from Rivers or Sea. However, BGS flooding susceptibility records indicate there is potential for groundwater flooding to occur at surface.

2.5.4 Waste

Recorded landfill sites within 250m of the site are summaries in **Table 2.3**.

Table 2.3 Landfill Sites Summary

Landfill Name	Distance/ Direction from site	Operation Dates	Deposited Wastes
Baglan Landfill	125m S	Unknown	Unknown

The Hospital Site is recorded as a Licensed Waste Management Facility (Clinical Waste Transfer Station)

The Hospital is registered for the disposal of Radioactive Waste.

There are no discharge consents within 500m of the site

2.5.5 Pollution

No pollution incidents are recorded to have occurred within 500m radius of the site.

2.5.6 Sensitive Land Use

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

2.5.7 Estimated Urban Soil Chemistry

The BGS 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.

2.5.8 Industrial Land Use

One relevant contemporary trade directory entry is recorded in proximity of the site which relates to the broader hospital site. This is summarised in **Table 2.4**.

Table 2.4 Relevant Contemporary Trade Summary

Company	Distance/Direction from site	Classification	Status
Neath General Hospital	69m	Hospitals	Active

SECTION 3 Coal Mining Risk Assessment

3.1 Geotechnical Risk

3.1.1 Underground Mining

Based upon geological map data, the stratigraphical sequence within ~30m of the ground surface of the site is illustrated in **Figure 3.1**.

Made Ground		3.00-5.00m
Superficial Deposits	Tidal Flat Deposits – Very soft silty CLAY with layers of PEAT	11.50m
	Fluvioglacial Deposits – Very dense sandy GRAVEL	>20.00m
South Wales Middle Coal Measures	Mudstone, Siltstone	

Figure 3.1 Geology and Strata Base below Ground Level

The Coal Authority Report has not identified any coal mining related features that will impact on the stability of the proposed development.

Geological map and BGS borehole evidence corroborates with the findings of the Coal Authority Report.

3.1.2 Shafts & Adits

The Coal Authority Report states there are no known mine entries within 20m of the site.

3.1.3 Conclusion

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

3.2 Geoenvironmental Risk

3.2.1 Mine Gas Risk Assessment

The overall risk to future site users from potential mine gas is considered negligible.

SECTION 4 Preliminary Human Health and Environmental Risk Assessment

4.1 General

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

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

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

4.2 Potential Sources of Contamination

Potential or known sources of contamination associated the sites current and historical land use are summarised in **Table 4.1**.

Table 4.1 Contamination Sources

ID	Source	Contaminant
S1	Made ground (up to 4-5m thick)	Metals, metalloids, phenols, sulphates, asbestos, PAH, hydrocarbons; Ground gasses – Carbon dioxide, Methane
S2	Refuse Tip (off site 125m S, anecdotally on-site)	Landfill gasses – Carbon dioxide, Methane

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

4.2.1 Omitted Potential Sources

Potential sources of contamination highlighted in this study have been excluded from further risk assessment. Sources and omission reasoning are listed in **Table 4.2**.

Table 4.2 Omitted Contamination Sources

Source	Reasoning
Mine Gas	No deep workings or shafts recorded within proximity of the site. Shallow groundwater anticipated. Groundwater would inhibit mass flow of gas from any potential deep mine gas source which if present would also be flooded by this time.
Peat (ground gasses)	Peat is not considered a significant source of ground gas. Organic materials that were once deposits within a fluvial environment, submerged below layers of fine clays have long since decomposed. Therefore its gas generation potential is nil, the gas within it is finite. Any gasses still trapped within this strata are locked within the pore space of the soil confined due to the high permeability of the alluvial clays they are within, only diffusing into the surrounding soils over a geological period. The potential for lateral migration of any remaining gasses is negligible. Furthermore these soils are likely to be fully saturated. For there to be a risk there needs to be an opportunity for a large volume of gas to be released over a short period of time, Peat deposits do not permit this scenario. (Ground Gas Handbook by Steve Wilson, Geoff Card & Sarah Haines 2009)

4.3 Potential Pollution Pathways

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

- P1 – Direct soil and dust ingestion
- ~~P2 – Consumption of home grown produce~~
- P3 – Dermal contact
- P4 – Inhalation of dust and vapours
- P5 – Vertical migration of leachates (unsaturated zone)
- P6 – Horizontal and vertical migration of contaminants (saturated zone)
- P7 – Artificial contaminant pathway (borehole, pile, excavation etc)
- P8 – Surface run-off
- ~~P9 – Plant uptake~~
- P10 – Horizontal and vertical migration of ground gasses and vapours
- P11 – Direct contact with construction materials
- P12 – 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 include.

- R1 – Construction and maintenance workers
- R2 – Future site users (staff and visitors)
- R3 – Passers-by or neighbouring site users
- R4 – Groundwater (aquifer)
- R5 – Surface waters (pond/reen)
- R6 – Area of public open space
- R7 – Construction materials (concrete/potable water pipes)

4.5 Preliminary Conceptual Site Model

The preliminary conceptual site model establishes potential pollutant linkages between contaminants (source), pathways and receptors, realised during the preparation of the desk study report. Where a potential pollutant linkage is identified an assessment of risk is subsequently undertaken. The preliminary conceptual site model is tabulated in **Table 4.3**.

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

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

Table 4.3 Preliminary Conceptual Site Model

Source	Pathway	Receptor	Preliminary Risk Assessment		
			Consequence	Probability	Risk
Human Health					
Contaminated Soils S1	Direct soil and dust ingestion P1 Dermal contact P3 Inhalation of dust and vapours P4 Inhalation of asbestos fibres P12	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 if required. Details of which should be documented in the contractors method statements.
		Passers-by or neighbouring site users R3	Medium	Low Likelihood	Low Risk – Easily mitigated against, dust suppression measures to be adopted if required. Details of which should be documented in the contractors method statements.
		Future site users R2	Medium	Unlikely	Low Risk – Future site users whether these be hospital staff or patients are unlikely to come into contact with site soils. Furthermore, the proposed structure is anticipated to cover the whole study area, essentially capping off any possible pathway.
Landfill Gas S2	Horizontal and vertical migration of ground gasses and vapours P10	Construction and maintenance workers R1 Future site users R2	Severe	Likely	High Risk – historical landfill site within influencing distance, suitable gas investigation essential
Ground Gas S1			Severe	Unlikely	Low Risk – the presence of thick made ground presents a low risk to receptors
Impacted Groundwaters S1	Horizontal and vertical migration of contaminants (saturated zone) P6 Dermal contact P3	Construction and maintenance workers R1	Medium	Unlikely	Low Risk – contact with groundwaters easily mitigated against and should be documented in the contractors method statements
Contaminated Soils S1	Direct Contact P11	Construction materials (water pipes) R7	Mild	Low Likelihood	Low Risk – soil testing recommended to establish the extent of any risk
Aggressive ground conditions – Sulphates S1		Construction materials (concrete) R7			
Aquatic Environment					

Contaminated Soils S1	Vertical migration of leachates (unsaturated zone) P5 Artificial contaminant pathway (borehole, pile, excavation etc) P7	Groundwater (aquifer) R4	Mild	Low Likelihood	Low Risk – non-sensitive water resource
	Surface run-off P8 Vertical migration of leachates (unsaturated zone) P5 Horizontal and vertical migration of contaminants (saturated zone) P6	Surface waters (pond/reen) R5	Mild	Low Likelihood	Low Risk – significant distance to potential receptors. Pathways exasperated by construction methods easily mitigated against. Details of which should be documented in the contractors method statements.

SECTION 5 Field Investigation

5.1 Site Works

A geotechnical and geoenvironmental site investigation comprising three deep boreholes, one soakaway, three shallow boreholes, concrete coring and four hand excavated trial pits was undertaken between the 14th March and 5th April 2022.

The fieldwork was supervised by Terra Firma, who logged the exploratory holes to the requirements of BS 5930:2015+A1:2020. The proposed locations of the exploratory holes were determined by the Client's engineer.

The ground levels and coordinates at each exploratory hole were established by Terra Firma using GPS techniques.

Trial pit referenced TP03 was formed using a tracked excavator with a 0.60m wide bucket.

Trial pits referenced TP01-TP02 and TT01-TT02, were hand excavated to uncover the thickness of the concrete slab and depth of concrete duct respectively.

On completion all trial pits were backfilled with materials arisings compacted in layers using the excavator bucket or hand tool.

The trial pit logs are presented in **Annex D**.

A soakaway test was carried out in trial pit TP03 in general accordance with BRE DG 365:2016. The excavation sides were squared using the excavator bucket and dimensions recorded within the test section. The trial pit was partially filled with clean water using a dedicated bowser with a 75mm diameter outlet and the fall in level recorded against time. The results are presented in **Annex E**.

The boreholes referenced WS01 to WS03, were formed using a Terrier 2000 rig. Dynamic sampling techniques were employed from surface to produce a continuous disturbed sample. Concrete coring of the surface was undertaken at WS02 and CC01 using the rig coring attachment and a 150mm diameter bit.

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

Boreholes were monitored for groundwater ingress as drilling proceeded.

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

On completion, boreholes were installed with slotted standpipes consisting of a 50mm ID HDPE slotted tube set in a granular filter zone and sealed above with a bentonite plug. Installations were protected at surface with a flush cover. Full installation details are recorded on the relevant logs.

The shallow borehole logs are presented in **Annex F**.

Boreholes reference BH01 to BH03 were formed using a light cable tool (shell and auger) drilling rig. Boreholes were advanced from surface using 200mm tools and casing with the occasional use of a heavy chisel to assist boring.

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

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

Boreholes were monitored for groundwater ingress as drilling proceeded.

On completion BH01 to BH03 were backfilled with materials arising and the surface reinstated.

The deep borehole logs are presented in **Annex G**.

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

5.2 Ground Conditions

The ground conditions encountered by the exploratory holes can in general be summarised as shown in **Table 5.1**.

Table 5.1 Summary of Typical Ground Conditions

Depth (m)			Thickness (m)	Stratum
0.00	-	5.10/6.50	5.10-6.50	MADE GROUND comprising medium dense to very dense gravelly SAND or sandy GRAVEL of slag, with rare plastic, glass and ceramic fragments, and cobbles.
5.10/6.50	-	8.00/9.50	2.90-3.40	Very soft to soft brownish grey silty CLAY .
8.00/9.50	-	9.20/11.00	1.20-1.60	Soft dark brown fibrous PEAT .
9.20/11.00		12.20/13.10	1.30-3.00	Very soft grey silty CLAY .
12.20/13.10		15.00/15.20	-	Dense to very dense sandy GRAVEL with low to medium cobble content.

5.3 Buried Utilities Duct

Trial trenches were undertaken at two locations perpendicular to a buried utilities duct, indicated on **Drawing 01**. Typically the concrete duct was encountered at a depth of between 0.11-0.17m below ground level with an approximate width of 3.50m. Coordinates taken of the corner edge in each of the trial trenches are summarised in **Table 5.2**.

Table 5.2 Trial Trench Coordinates

Description	Easting	Northing	Level (m)
Trial Trench 1 (TT01) south-eastern edge	275454.138	190526.670	7.76
Trial Trench 1 (TT01) north-western edge	275451.956	190529.401	7.76
Trial Trench 2 (TT02) south-eastern edge	275446.264	190520.119	7.79
Trial Trench 2 (TT02) north-western edge	275443.690	190522.130	7.79

5.4 Groundwater

Groundwater was not encountered during the investigation.

Water was added to assist advancement of boreholes BH01 to BH03.

5.5 Stability and Obstructions

Deep boreholes refused in very dense ground conditions between 15.00-15.20m.

Shallow borehole WS03 refused in very dense conditions at 1.40m.

Trial pits remained stable and vertical during excavation.

5.6 Installation Well Construction

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

Gas installation well construction details are summarised in **Table 5.3**.

Table 5.3 Installation Well Summary

Location	Response Zone		Stratum
	From (m)	To (m)	
WS01	0.80	3.00	Made Ground
WS02	1.00	3.00	
WS03	0.40	1.40	

5.7 Laboratory Chemical Testing

5.7.1 Sampling Strategy

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

Sample locations, depths and suspected/known contamination source targets are summarised in **Table 5.4**:

Table 5.4 Sample Locations, Depths and Targets

Location	Depth (m)	Contamination Targets
WS01	0.8	S1 – Made Ground
WS02	1.00	
WS03	0.5	
BH01	0.3-1.20	
BH02	1.20-1.65	
BH03	0.30-1.00	

5.7.2 Soil Laboratory Analysis

During the site investigation works soil samples were taken and despatched to the accredited laboratories of Eurofins Chemtest for laboratory chemical testing. Soil samples were tested for the determinants listed in **Table 5.5**.

Table 5.5 Soil Laboratory Analysis

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

Copper			
Lead			
Mercury			
Nickel			
Selenium			
Zinc			

The results are discussed in detail in **SECTION 6** and the laboratory test results certificates may be found in **Annex H**.

5.8 Soil Property Testing

5.8.1 In-situ Permeability Testing

During the site investigation one trial pit soakaway test was undertaken in TP03 and carried out in general accordance with BRE DG 365:2016.

Soakaway test results are summarised in **Table 5.6**.

Table 5.6 Summary of Soakaway Results

Trial Pit	Depth Range of Test (m)	Infiltration Rate (ms ⁻¹)
TP03	1.00-1.47	3.52x10 ⁻⁰⁵

The test results are discussed in **SECTION 10.6** and the calculation sheets may be found in **Annex E**.

5.8.2 Laboratory Geotechnical Testing

A schedule of laboratory tests was prepared by Terra Firma Wales Ltd and samples were despatched to the accredited laboratories of GSTL. A summary of the testing carried out is presented in **Table 5.7**.

Table 5.7 Summary of Geotechnical Testing

Geotechnical Test	Standard (BS1377:1990)	No. Tested
Moisture Content	Part 2, Clause 3.2	6
PSD Wet Sieve Method	Part 2, Clause 9.2	2
PSD Sedimentation by Pipette	Part 2, Clause 9.4	1
Dry Den/MC (2.5kg Rammer Method 1 Litre Mould)	Part 4, Clause 4.3	3
BRE SD1	-	4

The soil classification test results are presented in **Annex H & I** and discussed in **SECTION 7** of this report.

SECTION 6 Evaluation of Geoenvironmental Analytical Results

6.1 Assessment Methodology

A Tier 1 assessment of the analytical results has been made with comparison to the 2015 Suitable 4 Use Levels (S4UL) provided by Land Quality Management (LQM) Limited and the Chartered Institute of Environmental Health (CIEH) or Category 4 Screening Levels (C4SL) provided by the Department for Environment, Food and Rural Affairs (DEFRA, 2014). In lieu of S4UL or C4SL generic assessment criteria, comparison is made to published Soil Guideline Values (SGV) by the Environment Agency 2009.

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

6.2 Soil Test Results

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

6.2.1 Inorganics

Six samples were tested for a standard suite of inorganics, pH and organic matter. The summarised results are in **Table 6.1**.

Table 6.1 Summary of Soil Chemical Test Results – Inorganics

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Arsenic	640	LQM/CIEH	7.9	14	0
Cadmium	190	LQM/CIEH	<0.1	0.16	0
Chromium III	8600	LQM/CIEH	8.7	39	0
Chromium VI	33	LQM/CIEH	<0.5	<0.5	0
Copper	68000	LQM/CIEH	17	27	0
Lead	2300	pC4SL	12	87	0
Mercury (inorganic)	1100	LQM/CIEH	<0.05	0.08	0
Nickel	980	LQM/CIEH	7.1	39	0
Selenium	12000	LQM/CIEH	<0.2	0.4	0
Zinc	730000	LQM/CIEH	52	100	0
Cyanide	-	-	<0.5	<0.5	-
Boron	240000	LQM/CIEH	0.92	6.8	0
Sulphate (%)	0.24	BRE	0.12	0.8	6
Organic Matter (%)	-	-	0.8	2.4	-
pH	-	-	8.6	10.3	-
Notes:					
- No available guideline					

6.2.2 Organics

Six samples were tested for speciated polycyclic aromatic hydrocarbons. The summarised results are in **Table 6.2**.

Table 6.2 Summary of Soil Chemical Test Results – Speciated Polycyclic Aromatic Hydrocarbons

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Naphthalene	190	LQM/CIEH	<0.1	0.18	0
Acenaphthylene	83000	LQM/CIEH	<0.1	0.11	0
Acenaphthene	84000	LQM/CIEH	<0.1	0.63	0
Fluorene	63000	LQM/CIEH	<0.1	0.73	0
Phenanthrene	22000	LQM/CIEH	<0.1	3.4	0
Anthracene	520000	LQM/CIEH	<0.1	1.2	0
Fluoranthene	23000	LQM/CIEH	<0.1	3.9	0
Pyrene	54000	LQM/CIEH	<0.1	3.4	0
Benzo(a)anthracene	170	LQM/CIEH	<0.1	2.4	0
Chrysene	350	LQM/CIEH	<0.1	3.1	0
Benzo(b)fluoranthene	44	LQM/CIEH	<0.1	2.8	0
Benzo(k)fluoranthene	1200	LQM/CIEH	<0.1	1.1	0
Benzo(a)pyrene	35	LQM/CIEH	<0.1	2.1	0
Indeno(123cd)pyrene	500	LQM/CIEH	<0.1	1.3	0
Dibenzo(ah)anthracene	3.5	LQM/CIEH	<0.1	0.65	0
Benzo(ghi)perylene	3900	LQM/CIEH	<0.1	1.3	0
Total PAH	-	-	<2.0	28	-
Notes:					
Thresholds based on 1.0% soil organic matter					
- No available guidelines					

Six samples were tested for petroleum hydrocarbon. The summarised results are shown in **Table 6.3**.

Table 6.3 Summary of Soil Chemical Test Results – Petroleum Hydrocarbons

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Aliphatic					
PH C5 – C6 Ali	3200	LQM/CIEH	<1.0	<1.0	0
PH C6 – C8 Ali	7800	LQM/CIEH	<1.0	<1.0	0
PH C8 – C10 Ali	2000	LQM/CIEH	<1.0	<1.0	0
PH C10 – C12 Ali	9700	LQM/CIEH	<1.0	<1.0	0
PH C12 – C16 Ali	59000	LQM/CIEH	<1.0	<1.0	0
PH C16 – C21 Ali	1600000*	LQM/CIEH	<1.0	<1.0	0
PH C21 – C35 Ali	1600000*	LQM/CIEH	<1.0	<1.0	0
PH C35 – C44 Ali	1600000	LQM/CIEH	<1.0	<1.0	0
Aromatic					
PH C5 – C7 Arom	26000	LQM/CIEH	<1.0	<1.0	0
PH C7 – C8 Arom	56000	LQM/CIEH	<1.0	<1.0	0
PH C8 – C10 Arom	3500	LQM/CIEH	<1.0	<1.0	0
PH C10 – C12 Arom	16000	LQM/CIEH	<1.0	<1.0	0
PH C12 – C16 Arom	36000	LQM/CIEH	<1.0	<1.0	0
PH C16 – C21 Arom	28000	LQM/CIEH	<1.0	<1.0	0

PH C21 – C35 Arom	28000	LQM/CIEH	<1.0	<1.0	0
PH C35 – C44 Arom	28000	LQM/CIEH	<1.0	<1.0	0

Notes:

PH – Petroleum Hydrocarbon

Ali – Aliphatic

Arom – Aromatic

Thresholds based on 1.0% soil organic matter

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

Six samples were tested for Phenols. The summarised results are in **Table 6.4**.

Table 6.4 Summary of Soil Chemical Test Results – Phenols

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Phenols	440	LQM/CIEH	<0.10	<0.10	0

6.2.3 Asbestos Testing

All made ground soil samples were scheduled for asbestos screening. Asbestos was detected in 1no. sample. Samples testing positive for asbestos were further scheduled for gravimetric quantification of ACM. The results are summarised in **Table 6.5**.

Table 6.5 Summary of Soil Chemical Test Results – Asbestos Quantification

Sample	Depth (m)	Comment	Result (mass %)
BH03	0.3-1.0	Fibres/clumps Chrysotile	<0.001

SECTION 7 Geotechnical Testing Results

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

7.1 Particle Size Distribution Analysis

Two samples were subject to particle size distribution (PSD) testing. The results are summarised in **Table 7.1**.

Table 7.1 Summary of Particle Size Distribution Testing

Location	Depth (m)	Clay (%)	Silt (%)	Sand (%)	Gravel (%)	Cobbles/Boulders (%)
BH01	1.20-1.65	14		25	61	0
BH03	1.2-1.65	11	8	35	46	0

7.2 Moisture Content Testing

During the investigation six samples were taken and submitted for moisture content testing. The test results are summarised in **Table 7.2**.

Table 7.2 Moisture Content Test Results

Location	Depth (m)	Moisture Content (%)
BH03	6.5-6.95	40
BH01	1.2-1.65	25
BH01	9.5-9.95	33
BH02	3.0-3.45	41

7.3 Compaction Testing

Three samples were subject to compaction testing using a 2.5kg rammer. The results are summarised in **Table 7.3**.

Table 7.3 Compaction Testing Summary

Location	Depth (m)	Initial Moisture Content (%)	Maximum Dry Density (Mg/m ³)	Optimum Moisture Content (%)
BH01	1.2-1.65	14	2.05	12
BH02	1.2-1.65	16	2.08	10
BH03	1.0-1.20	20	1.92	10

7.4 BRE SD1 Testing

Four samples were subject to BRE SD1 testing for concrete classification. The results are summarised in **Table 7.4**.

Table 7.4 BRE SD1 Testing Summary

Location	Depth (m)	2:1 Water/Soil Extract		Total Potential Sulphate (%)	pH	Design Sulphate Class for Location	ACEC Class for Location
		SO ₄ (mg/l)	Mg (mg/l)				
BH03	2.50	360		0.29	9.5	DS-2	AC-2
BH01	6.5-6.95	340		0.39	9.6	DS-2	AC-2
BH02	3-3.45	460		0.12	8.6	DS-1	AC-1
WS01	0.8	160		0.15	9.6	DS-1	AC-1

SECTION 8 Ground Gas Risk Assessment

8.1 Gas Risk Characterisation

8.1.1 Gas Source

Made ground was encountered with a thickness of between 5.10-6.50m and typically contained waste anthropogenic materials. However, the most significant potential gas source remains to be the off site landfill.

8.1.2 Gas Migration Pathways

Made ground soils were observed to be granular in composition. Moisture content of shallow soils suggests a high saturation. Subsequent monitoring visits have revealed water in boreholes between 2.40-2.50m below ground level.

8.1.3 Potential Receptors

Future site user including all staff, patients and visitors are considered potential receptors. Groundworks undertaken below ground level in confined space may present a risk to construction and maintenance workers.

8.2 Gas Screening Value

Three ground gas monitoring wells were installed in boreholes WS01 to WS03. Installation details are shown on the relevant log.

Two rounds of gas monitoring have been carried out to date. The installations were tested for carbon dioxide, methane, oxygen, carbon monoxide and hydrogen sulphide using a Gas Analyser GA5000.

Recorded gas concentrations are summarised in **Table 8.1**.

Table 8.1 Measured Gas Concentration Summary

Gas	Minimum (% V/V)	Maximum (% V/V)
Methane	0.1	11.3
Carbon Dioxide	GAS PAGE0	0.6
Oxygen	12.8	21.5

The gas flow rate from the boreholes was also assessed, a maximum typical flow rate of 0.3l/hr was recorded.

Based on a flow rate of 0.3l/hr and the highest recorded methane concentration of 11.3%, a gas screening value of 0.0315l/hr is calculated, as follows:

$$(11.3/100) \times 0.3 = 0.0339\text{l/hr}$$

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

8.3 Conclusion

When this monitoring result is compared with Table 8.5 of CIRIA report C665, the site is classified as 'Gas Characteristic Situation 1' (CS1). However, as the peak methane has significantly risen above 1%, it is recommended that 'Gas Characteristic Situation 2' (GS2) is applied to the site in line with recommendations provided in CIRIA C665.

SECTION 9 Quantitative Risk Assessment

9.1 Contaminants of Concern

Contaminants identified as part of the investigation are summarised in **Table 9.1**, along with an interpretation of the likely contamination source. Where applicable, the contaminant, source relationship is based on the inferences made in the preliminary conceptual site model.

Table 9.1 Contaminants of Concern

Location	Depth	Contaminant	Source
BH03	0.3-1.0	Sulphate, Asbestos(<0.001%)	S1
BH03	2.5	Sulphate	
BH01	6.5-6.95	Sulphate	
BH02	1.2-1.65	Sulphate	
WS03	0.5	Sulphate	
WS02	1.0	Sulphate	
WS02	1-3.00	Methane	S1, S2

9.2 Pollutant Linkages

Based on the findings of the intrusive site investigation and identified contaminants, the preliminary conceptual site model has been revised. Significant pollutant linkages are tabulated in the refined conceptual site model **Table 9.2**. Identified pollutant linkages will require detailed risk assessment, appropriate mitigation or remedial measures.

Table 9.2 Refined Conceptual Site Model

Source	Pathway	Receptor
Contaminated Soils S1	Direct soil and dust ingestion P1 Dermal contact P3 Inhalation of dust and vapours P4 Inhalation of asbestos fibres P12	Construction and maintenance workers R1 Passers-by or neighbouring site users R3 Future site users R2
Landfill Gas S2 Ground Gas S1	Horizontal and vertical migration of ground gasses and vapours P10	Construction and maintenance workers R1 Future site users R2
Aggressive ground conditions – Sulphates S1	Direct Contact P11	Construction materials (concrete) R7

9.3 Mitigation and Remedial Measures

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

9.3.1 Human Health

9.3.1.1 Contaminated Soils

It is evident from laboratory testing that asbestos is present in made ground soils. Subsequent gravimetric testing has however demonstrated this risk to be very low. Suitable mitigation with regards to this risk should be dealt with in contractor method statements, taking into account the safety and well being of construction workers and adjacent site users.

The advice from an asbestos specialist should be sought to help develop suitable precautions to protect receptors, suitable protection measures may include:

- Dust suppression and measures to dampen the material

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

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

To protect future site users from the identified asbestos in near surface soils, it is recommended that a proportionate capping system is adopted. It is however understood that the building will cap the entire investigation area eliminating the need for any further mitigation. In the event soft landscaped areas are included within the final design, it is considered a capping layer of 300mm of inert topsoil or hardstanding with subbase will suffice given it is unlikely that gardening activities will be undertaken at the site.

Consistently sulphate levels were recorded at elevated levels in made ground. To protect from aggressive ground conditions substructure concrete should be specified accordingly.

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

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

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

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

9.3.1.2 Ground Gas

To protect the future site users from identified ground gas, proposed structures will need to incorporate within its construction a suitable ground gas protection system. The ground gas protection system should be designed, verified, installed and validated in accordance with the British Standard 8485:2015+A1:2019 and CIRIA guidance C735:2014.

It is recommended that a specialist consultant is retained to prepare a risk assessed ground gas protection system Verification Plan for the proposed development. The Verification Plan will detail the required protection measures based on the perceived risk associated with the complexity of design, experience of the installer, size of the site and gas characteristic situation. The Verification Plan also details the step by step process and requirements to allow for the completion of a Validation Report. Terra Firma are specialists in this area of expertise.

Validation of installed ground gas protection systems by an independent third party will be required upon completion of the development. Validation may only be achieved if processes prescribed in the Verification Plan are undertaken.

9.3.2 Aquatic Environment

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

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

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

The basic measures that should be taken are as follows:

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

SECTION 10 Engineering Recommendations

10.1 Preparation of Site

Areas of vegetation including all roots should be stripped and removed from beneath the proposed development site.

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

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

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

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

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

10.2 Foundation Solution

It is recommended a bored/CFA piled foundation solution founded within the very dense gravels at an approximate depth of 12.00 to 15.00m below existing ground level is used. For a 300mm diameter pile with a typical length of 12.00 to 15.00m an allowable working load of 400kN should be achieved. Variations in the given pile lengths should also be expected. Due to the very dense nature of the upper made ground allowances should be made for pre-boring a high percentage of piles.

Measurements should be put in place to monitor vibrations during pile installation. If vibrations exceed guideline levels, then measures should also be taken to dampen such vibrations. If, however, vibrations exceed permissible values then consideration should be given to an alternative solution.

The estimated working pile loads, pile type and lengths are given for guidance only and should be confirmed by a specialist piling contractor and it may be prudent to test drive/install piles at selected locations.

For the quoted pile sizes, founded within the competent in-situ materials, total settlements should not exceed 10mm with differential movements between adjacent piles being less than half this value.

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

Floor slabs should be designed as suspended.

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

10.3 Excavations and Formations

Most of the shallow excavations will be possible with normal soil excavating machinery.

Shallow perched water and groundwater flows were not encountered during the investigation. Any water inflows together with rainwater infiltration should be dealt with by conventional pumping techniques. However, it should be noted that during times of heavy rainfall a higher water table will be encountered.

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

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

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

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

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

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

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

10.4 Protection of Buried Concrete

When the results are compared with Table C2 of BRE Digest 1:2005, it indicates that buried concrete should generally conform to Class AC-2.

10.5 Access Roads and Car Parking Areas

For car parking and road areas, formations within the in-situ natural soils a CBR value of 5% may be used for design purposes.

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

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

10.6 Storm Water Drainage

During the site investigation one soakaway test was undertaken in general accordance with BRE DG 365:2016. The soakaway test was carried out in trial pit TP03 within natural materials.

The soakaway tests recorded an infiltration rate of between $3.52 \times 10^{-5} \text{ ms}^{-1}$. The use of soakaway stormwater drainage is therefore considered viable at the location and depths tested.

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

10.7 Reuse of Site Won Material

Three samples of shallow made ground materials were subjected to dry density and moisture content relationship testing.

The dry density moisture content relationship result for the shallow made ground materials indicated soils would require significant drying prior to reuse. An initial average moisture content of 17% and an optimum moisture content of 11% was recorded. The average maximum dry density recorded was 2.02Mg/m³.

With reference to the Specification for Highway Works Series 600 Earthworks, the near surface made ground soils are most likely to be classified as 6F1 selected granular fill typically used for capping. Reference should be made to Table 6/4 'Method 6' of the same publication for guidance on suitable compaction plant, layer thicknesses and number of passes.

ANNEX A
Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

291876629_1_1

Customer Reference:

17166

National Grid Reference:

275440, 190540

Slice:

A

Site Area (Ha):

0.07

Search Buffer (m):

1000

Site Details:

Site at 275450, 190530

Client Details:

Mr D Emanuel
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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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				15
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 5			3	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 6				6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6		Yes		
Pollution Incidents to Controlled Waters	pg 7				11
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 8		4	2	
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 10				1
Substantiated Pollution Incident Register	pg 10			1	2
Water Abstractions	pg 11				7 (*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 14	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 14		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 14		Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 14		Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 15			2	29

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 19		2		1
Local Authority Landfill Coverage	pg 19	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 19		1		
Potentially Infilled Land (Non-Water)	pg 19				3
Potentially Infilled Land (Water)	pg 20		18	24	40
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 24				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 24				1
Planning Hazardous Substance Consents	pg 24				1
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 25	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 25	Yes		Yes	Yes
BGS Recorded Mineral Sites	pg 26				3
BGS Urban Soil Chemistry	pg 27			Yes	Yes
BGS Urban Soil Chemistry Averages	pg 29	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 29	Yes	n/a	n/a	n/a
Mining Instability	pg 29	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 29	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 31		3	32	97
Fuel Station Entries	pg 42			1	2
Points of Interest - Commercial Services	pg 43			10	18
Points of Interest - Education and Health	pg 45		8		1
Points of Interest - Manufacturing and Production	pg 46			1	12
Points of Interest - Public Infrastructure	pg 47			2	30
Points of Interest - Recreational and Environmental	pg 50				7
Gas Pipelines					
Underground Electrical Cables					

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

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	0	1	275440 190538
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	291	1	275650 190750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	409	1	275800 190750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	419	1	275000 190538
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	428	1	275850 190700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	432	1	275750 190850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	446	1	275900 190600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	451	1	275850 190750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	457	1	275900 190650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	467	1	275750 190900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	474	1	275700 190950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	490	1	275950 190550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	491	1	275650 191000
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Moors Culvert 30 Metres U/S Road Br, 30 Metres U/S Road Bridge Abera, Aberavon Authority: Natural Resources Wales Catchment Area: Not Given Reference: BP0240201 Permit Version: 1 Effective Date: 21st July 1994 Issued Date: 21st July 1994 Revocation Date: 11th March 2003 Discharge Type: Unspecified Discharge: Not Supplied Environment: River Afan Receiving Water: River Afan Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	879	2	275950 189790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Port Talbot Docks - Overflow F Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0055728 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Port Talbot Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	901	2	276000 189800
3	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Henshaw St.Sjc. Port T Authority: Natural Resources Wales Catchment Area: River Afan Reference: BB4025504 Permit Version: 1 Effective Date: 19th July 1978 Issued Date: 19th July 1978 Revocation Date: 31st March 2004 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: 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	A8SE (S)	911	2	275740 189650
3	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Water St.Cjc Port Talb Authority: Natural Resources Wales Catchment Area: AFAN ESTUARY INCL DOCKS Reference: BB4025505 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: Freshwater Stream/River Environment: Receiving Water: Unnamed Status: Surrendered Positional Accuracy: Located by supplier to within 100m	A8SE (S)	918	2	275760 189650
3	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Water St.Cjc Port Talb Authority: Natural Resources Wales Catchment Area: AFAN ESTUARY INCL DOCKS Reference: Bb4025505 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: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A8SE (S)	918	2	275760 189650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	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: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Effective Positional Accuracy: Located by supplier to within 10m	A8SE (S)	934	2	275632 189598
4	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: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Effective Positional Accuracy: Located by supplier to within 10m	A8SE (S)	934	2	275632 189598
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Isaacs Plice Sjc Port T Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bb4025506 Permit Version: 1 Effective Date: 19th July 1978 Issued Date: 19th July 1978 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	934	2	275850 189670
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 126, Moors St Culvert, 20m Upstream Of Bridge, Afan Way, Port Talbot, Sa12 6nr Authority: Natural Resources Wales Catchment Area: AFAN ESTUARY INCL DOCKS Reference: Bp0240201 Permit Version: 3 Effective Date: 16th December 2021 Issued Date: 16th December 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Afon Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	935	2	275937 189716

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso No 126 Moors St Culvert Afan, Moors Street Culvert, Neath Port Talbot Cbc Authority: Natural Resources Wales Catchment Area: AFAN ESTUARY INCL DOCKS Reference: Bp0240201 Permit Version: 2 Effective Date: 12th March 2003 Issued Date: 11th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Afon Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	935	2	275937 189716
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso No 126 Moors St Culvert Afan, Moors Street Culvert, Neath Port Talbot Cbc Authority: Natural Resources Wales Catchment Area: AFAN ESTUARY INCL DOCKS Reference: Bp0240201 Permit Version: 2 Effective Date: 12th March 2003 Issued Date: 11th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Afon Afan Status: Effective Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	935	2	275937 189716
7	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: Freshwater Stream/River Environment: Receiving Water: Unnamed Status: Surrendered Positional Accuracy: Located by supplier to within 100m	A8SE (S)	976	2	275600 189550
7	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: Freshwater Stream/River Environment: Receiving Water: River Tawe Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A8SE (S)	976	2	275600 189550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Abbey Bsc Works Authority: Natural Resources Wales Catchment Area: Not Given Reference: BO5081401 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 31st March 2004 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Betsi Lagoon Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	982	2	276000 189700
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo.Pant Du Bridge Pt.2 Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bw0200201 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A18NE (N)	996	2	275700 191520
10	Integrated Pollution Prevention And Control Name: Tech Assemblies Ltd Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Authority: Environment Agency, Welsh Region Permit Reference: Bk9555 Original Permit Ref: Bk9555 Effective Date: 30th November 2001 Status: Superseded By Variation Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Not Supplied	A18SW (NW)	367	3	275258 190887
10	Integrated Pollution Prevention And Control Name: Tech Assemblies Ltd Location: Baglan Non Ferrous Metal Pressings, Unit 16, Baglan Industrial Estate, Port Talbot, West Glamorgan, SA12 7BY Authority: Natural Resources Wales Permit Reference: Bk9555if Original Permit Ref: Bk9555if Effective Date: 30th November 2001 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Y	A18SW (NW)	367	2	275258 190887
10	Integrated Pollution Prevention And Control Name: Tech Assemblies Ltd Location: Baglan Non Ferrous Metal Pressings, Unit 16, Baglan Industrial Estate, Port Talbot, West Glamorgan, SA12 7BY Authority: Natural Resources Wales Permit Reference: Bv2590id Original Permit Ref: Bk9555if Effective Date: 24th October 2007 Status: Revoked Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the address or location Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Y	A18SW (NW)	368	2	275257 190887

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Local Authority Pollution Prevention and Controls Name: Envases Uk Limited Location: Unit 1 Christchurch Road, Baglan Industrial Estate, Port Talbot, West Glamorgan, SA12 7BZ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/14 Dated: 9th December 1993 Process Type: Local Authority Air Pollution Control Description: PG6/7 Printing and coating of metal packaging Status: Authorised Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	662	4	275158 191166
12	Local Authority Pollution Prevention and Controls Name: Weartech International Limited Location: Unit 1, Moor Road, Baglan, Port Talbot, Sa12 7bj Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/138 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Permitted Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	796	4	274903 191159
13	Local Authority Pollution Prevention and Controls Name: Matsuhita Electronic Components (Uk) Ltd Location: Baglan Industrial Estate, Christchurch Road, Baglan, NEATH, West Glamorgan, SA12 7DJ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/90 Dated: 20th June 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Permitted Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	808	4	275071 191286
14	Local Authority Pollution Prevention and Controls Name: Afan Way Services Limited Location: Afan Way, PORT TALBOT, West Glamorgan, SA12 6NR Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/83 Dated: 8th April 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	852	4	275963 189833
15	Local Authority Pollution Prevention and Controls Name: CRS (Food) Limited Location: Pioneer Filling Station, Baglan Moor, PORT TALBOT, West Glamorgan, SA12 Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/68 Dated: 1st October 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	952	4	274644 191106
15	Local Authority Pollution Prevention and Controls Name: W M Morrison Supermarkets Plc Location: Christchurch Road, Baglan Industrial Park, PORT TALBOT, SA12 7BZ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/100 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	953	4	274644 191107
	Nearest Surface Water Feature	A13SW (S)	114	-	275412 190408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Forestry Location: Pentilla, Mountain, BAGLAN Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Weather Incident Date: 17th August 1995 Incident Reference: 25453 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	A19SW (NE)	720	3	276000 191000
17	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	A8SE (S)	828	3	275600 189700
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Road Bridge Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 7th August 1991 Incident Reference: 1347 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)	839	3	276300 190500
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Estuary Between, The Two Weirs Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 7th March 1991 Incident Reference: 4029 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	844	3	275900 189800
20	Pollution Incidents to Controlled Waters Property Type: Forestry Location: Baglan Mountain Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Deliberate Act Incident Date: 18th August 1995 Incident Reference: 25462 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)	939	3	276400 190500
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Fractured Sewer In, River Bed B. Gas Pipeline Work, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: River Afan; Direct Introduction Incident Date: 29th January 1998 Incident Reference: 34696 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	948	3	275700 189600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	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	A8SE (S)	981	3	275600 189545
23	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Adjacent Tiger, Tyres, Greenpark Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Deliberate Act Incident Date: 24th August 1995 Incident Reference: 25479 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	A9SW (SE)	986	3	276000 189695
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Weir Near, Dock Feeder Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 28th November 1991 Incident Reference: 1655 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	991	3	276050 189725
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: By Civic Centre, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Industrial Solid Waste Note: Deliberate Incident Date: 21st May 1997 Incident Reference: 32458 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	A9NE (E)	993	3	276400 190200
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Baglan Moors, BAGILLT Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 25th July 1996 Incident Reference: 29289 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (N)	994	3	275100 191500
27	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Local Health Board Location: Neath Port Talbot Hospital, Baglan 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	A13SW (SW)	69	2	275402 190466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	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	A13SW (SW)	69	2	275402 190466
27	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	A13SW (SW)	69	2	275402 190466
28	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	A13SW (W)	137	2	275298 190490
29	Registered Radioactive Substances Name: Abertawe Bro Morgannwg University Nhs Trust Location: Neath Port Talbot Hospital, Afan Way, Port Talbot, West Glamorgan, SA12 6NR Authority: Natural Resources Wales Permit Reference: CC0027 Dated: 4th January 2008 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	403	2	275100 190800
30	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	A12SE (W)	419	2	275011 190457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	River Quality Chemistry Sampling Points Name: Afan Reach: Dock Intake Weir To M4 Motorway Estimated Distance: 0.70 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A9SW (SE)	987	3	276047 189727
32	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	A12NE (W)	417	2	275002 190567
33	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	A8SE (S)	839	2	275472 189676

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 12th July 2016 Incident Reference: 1603860 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke	A9NE (SE)	987	2	276252 189933
35	Water Abstractions Operator: Environment Agency Licence Number: Wa/058/0061/007 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Impounding Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	969	2	276054 189756
36	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	A9SW (SE)	979	2	275980 189690
36	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	A9SW (SE)	979	2	275980 189690
36	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	A9SW (SE)	979	3	275980 189690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: Not Supplied Location: Land At British Steel, Port Talbot Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	979	2	275980 189690
36	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: Not Supplied Location: Land At British Steel, Port Talbot Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	979	2	275980 189690
36	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	A9SW (SE)	984	3	275980 189685
	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	A4SE (SE)	1810	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: 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	A4SE (SE)	1810	3	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	A4SE (SE)	1810	3	276230 188880
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: Not Supplied Location: Abstraction From Port Talbot Dock 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: 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	A4SE (SE)	1810	2	276230 188880
	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	A4SE (SE)	1833	3	276240 188860

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: 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	A4SE (SE)	1833	3	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	A4SE (SE)	1833	3	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	A13SW (W)	0	2	275440 190538
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (W)	0	2	275440 190538
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SW (W)	0	2	275440 190538
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	40	2	275483 190559
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	148	2	275588 190447
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	41	2	275489 190553
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	46	2	275508 190531
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NE (E)	41	2	275489 190553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Water Storage Areas None				
	Flood Defences None				
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 373.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	375	5	275581 190905
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 338.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	404	5	275559 190944
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 794.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SW (N)	517	5	275317 191066
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1090.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SW (N)	530	5	275298 191075
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 151.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SE (N)	607	5	275457 191168
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SW (N)	640	5	275362 191198
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18SW (N)	649	5	275354 191206
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	672	5	275382 191232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	685	5	275376 191245
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 381.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	689	5	275364 191248
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 628.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	738	5	275305 191289
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	751	5	275312 191304
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 599.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	760	5	275362 191319
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 277.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NW (N)	816	5	275376 191376
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	934	5	275520 191491
52	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	A8SE (S)	942	5	275718 189611
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	952	5	276030 189758

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	952	5	276028 189756
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	952	5	276029 189758
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 2	A9SW (SE)	958	5	276029 189750
57	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 16.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 2	A9SW (SE)	958	5	276029 189750
58	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 33.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 2	A9SW (SE)	966	5	276022 189735
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A18NE (N)	966	5	275569 191517
60	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 21.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 2	A9SW (SE)	966	5	276022 189735
61	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 14.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A9SW (SE)	980	5	276017 189714
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 2	A9SW (SE)	983	5	276054 189738

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A9SW (SE)	986	5	276065 189742
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 339.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A9SW (SE)	986	5	276065 189742
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Afan Catchment Name: Afan Primacy: 1	A9SW (SE)	995	5	276027 189703
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A9SW (SE)	997	5	276039 189709
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 158.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A9SW (SE)	1000	5	275959 189653

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	Licensed Waste Management Facilities (Locations) Licence Number: EP3198FW Location: Neath And Port Talbot Hospital, Neath & Port Talbot Hospital, Baglan Way, Port Talbot, N P T, Neath Port Talbot, SA12 7BX Operator Name: Veolia Energy & Utilities Services UK Plc Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Clinical Waste Transfer Station Licence Status: Effective Issued: 3rd June 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	105	2	275501 190422
68	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	A13SE (SE)	105	2	275501 190422
69	Licensed Waste Management Facilities (Locations) Licence Number: SP3898ED Location: Unit 16 Baglan Industrial Estate, Port Talbot, N P T, Neath Port Talbot, SA12 7DJ Operator Name: Tyregenis Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Physico-chemical Treatment Facilities Licence Status: Expired Issued: 30th June 2008 Last Modified: Not Supplied Expires: 2nd March 2010 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	585	2	275200 191100
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	4	275440 190538
70	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	A13SW (S)	125	4	275400 190400
71	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A14NE (NE)	774	-	276163 190847
72	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A7NE (SW)	800	-	274885 189950
73	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A8SW (S)	818	-	275370 189700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (N)	56	-	275414 190616
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (NW)	74	-	275369 190608
76	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	74	-	275516 190577
77	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (N)	113	-	275468 190667
78	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (SW)	118	-	275346 190456
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (N)	131	-	275383 190685
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (NW)	137	-	275344 190670
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (N)	157	-	275437 190719
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SW (S)	163	-	275438 190352
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13NW (W)	167	-	275252 190558
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (SE)	203	-	275622 190399
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (NW)	210	-	275243 190668
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13SE (SE)	229	-	275668 190425
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	232	-	275655 190651
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (E)	235	-	275680 190439
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (E)	236	-	275697 190533
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13NE (E)	237	-	275691 190579
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13SE (E)	249	-	275708 190486
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (N)	283	-	275385 190841
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (W)	304	-	275115 190542
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (NW)	307	-	275144 190688

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A14SW (SE)	356	-	275792 190392
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13SE (SE)	363	-	275760 190317
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A12NE (NW)	369	-	275079 190696
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12SE (W)	369	-	275051 190525
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A14SW (SE)	379	-	275812 190379
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A14SW (E)	402	-	275847 190410
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	404	-	275339 190955
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	406	-	275319 190953
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (NW)	420	-	275237 190936
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8NE (SE)	420	-	275679 190161
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12NE (NW)	426	-	275057 190778
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12NE (NW)	434	-	275054 190787
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A14SW (E)	436	-	275885 190420
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SE (N)	437	-	275443 190998
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A12NE (W)	441	-	274992 190664
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A14SW (SE)	445	-	275814 190252
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	477	-	275098 190906
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12NE (W)	477	-	274956 190668
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	479	-	275325 191029
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A9NW (SE)	490	-	275830 190200
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	492	-	275429 191054

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A14SW (E)	501	-	275945 190395
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (NW)	505	-	275179 191001
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SW (E)	505	-	275939 190359
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SW (E)	506	-	275947 190383
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SW (E)	511	-	275963 190429
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SW (E)	531	-	275989 190466
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	537	-	275406 191098
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	548	-	275266 191085
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	549	-	275285 191091
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (NW)	559	-	275140 191040
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	561	-	275011 190939
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (NW)	566	-	275148 191054
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	588	-	275388 191149
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	588	-	275017 190982
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SW (E)	616	-	276037 190305
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18SW (N)	620	-	275242 191153
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SW (E)	624	-	276054 190330
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A14SW (E)	629	-	276072 190374
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A12NE (NW)	646	-	274823 190801
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	649	-	274998 191048
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8SE (S)	667	-	275518 189851

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	689	-	275089 191161
138	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	736	-	274947 191119
139	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A9NW (SE)	789	-	275901 189866
140	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NW (N)	804	-	275205 191334
141	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SW (NW)	863	-	274725 191067
142	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17NE (NW)	873	-	275026 191336
143	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17NE (NW)	874	-	275066 191356
144	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18NW (N)	875	-	275151 191391
145	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8SE (S)	907	-	275714 189646
146	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A18NW (N)	917	-	275141 191433
147	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17NE (NW)	926	-	274794 191237
148	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A9SW (SE)	942	-	275900 189686
149	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8SE (S)	944	-	275745 189617
150	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SW (NW)	946	-	274654 191110
151	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A18NW (N)	960	-	275253 191506
152	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A18NW (N)	964	-	275257 191511
153	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A8SE (S)	971	-	275661 189566
154	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A9SW (SE)	977	-	276035 189731
155	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A9SW (SE)	1000	-	275897 189619

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	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	A8SE (S)	869	6	275655 189670
157	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	A8SE (S)	878	6	275660 189662
158	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	A8SE (S)	867	7	275650 189670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13SW (W)	0	1	275440 190538
	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	A13SW (W)	0	1	275440 190538
	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	A13NE (NE)	308	1	275709 190705
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	332	1	275122 190404
	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: 30 - 45 mg/kg	A19SW (NE)	566	1	275845 190945
	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	A19SW (NE)	602	1	275841 191000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	607	1	275981 190836

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 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	734	1	276000 191023
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	936	1	276000 191303
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	976	1	275460 191537
159	BGS Recorded Mineral Sites Site Name: Maes-Y-Rhedyn Location: Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156653 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Llynfi Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	779	1	276172 190841
160	BGS Recorded Mineral Sites Site Name: Maes-Y-Rhedyn Location: Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156654 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Llynfi Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	860	1	276308 190673
161	BGS Recorded Mineral Sites Site Name: Maes-Y-Rhedyn Quarries Location: Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 245984 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rhondda Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	904	1	276317 190814

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: 275260, 190750 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 21.30 mg/kg Concentration: Cadmium Measured 0.80 mg/kg Concentration: Chromium Measured 86.60 mg/kg Concentration: Lead Measured 90.20 mg/kg Concentration: Nickel Measured 26.80 mg/kg Concentration:	A13NW (NW)	253	1	275260 190750
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275720, 190720 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 18.40 mg/kg Concentration: Cadmium Measured 0.60 mg/kg Concentration: Chromium Measured 63.50 mg/kg Concentration: Lead Measured 72.00 mg/kg Concentration: Nickel Measured 21.20 mg/kg Concentration:	A13NE (NE)	326	1	275720 190720
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275210, 190210 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 12.00 mg/kg Concentration: Cadmium Measured 0.60 mg/kg Concentration: Chromium Measured 81.40 mg/kg Concentration: Lead Measured 41.50 mg/kg Concentration: Nickel Measured 16.80 mg/kg Concentration:	A13SW (SW)	389	1	275210 190210
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 275760, 190240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 39.80 mg/kg Concentration: Cadmium Measured 1.70 mg/kg Concentration: Chromium Measured 71.40 mg/kg Concentration: Lead Measured 489.80 mg/kg Concentration: Nickel Measured 64.90 mg/kg Concentration:	A13SE (SE)	411	1	275760 190240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274780, 190300 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 18.40 mg/kg Concentration: Cadmium Measured 0.90 mg/kg Concentration: Chromium Measured 62.90 mg/kg Concentration: Lead Measured 119.00 mg/kg Concentration: Nickel Measured 25.40 mg/kg Concentration:	A12SE (W)	688	1	274780 190300

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: 275180, 191210 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 71.70 mg/kg Concentration: Cadmium Measured 1.10 mg/kg Concentration: Chromium Measured 62.80 mg/kg Concentration: Lead Measured 66.60 mg/kg Concentration: Nickel Measured 61.50 mg/kg Concentration:	A18SW (N)	694	1	275180 191210
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274730, 190770 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 35.40 mg/kg Concentration: Cadmium Measured 1.30 mg/kg Concentration: Chromium Measured 78.60 mg/kg Concentration: Lead Measured 234.60 mg/kg Concentration: Nickel Measured 37.10 mg/kg Concentration:	A12NW (W)	722	1	274730 190770
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 276210, 190260 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 42.80 mg/kg Concentration: Cadmium Measured 2.30 mg/kg Concentration: Chromium Measured 99.60 mg/kg Concentration: Lead Measured 630.30 mg/kg Concentration: Nickel Measured 112.60 mg/kg Concentration:	A14SE (E)	794	1	276210 190260
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 274750, 191240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 26.60 mg/kg Concentration: Cadmium Measured 0.90 mg/kg Concentration: Chromium Measured 92.80 mg/kg Concentration: Lead Measured 100.20 mg/kg Concentration: Nickel Measured 50.30 mg/kg Concentration:	A17NW (NW)	959	1	274750 191240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Swansea Count Id: 368 Arsenic Minimum Concentration: 8.00 mg/kg Arsenic Average Concentration: 79.00 mg/kg Arsenic Maximum Concentration: 2161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 2.90 mg/kg Cadmium Maximum Concentration: 61.90 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 72.00 mg/kg Chromium Maximum Concentration: 562.00 mg/kg Lead Minimum Concentration: 23.00 mg/kg Lead Average Concentration: 413.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 8.00 mg/kg Nickel Average Concentration: 52.00 mg/kg Nickel Maximum Concentration: 384.00 mg/kg	A13SW (W)	0	1	275440 190538
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (W)	0	8	275440 190538
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (W)	0	-	275440 190538
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275440 190538
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275440 190538
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	44	1	275494 190493
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275440 190538
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275440 190538
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275440 190538
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	44	1	275494 190493
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275440 190538

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275440 190538
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	275440 190538

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	Contemporary Trade Directory Entries Name: Neath General Hospital Location: Baglan Way, Port Talbot, West Glamorgan, SA12 7BX Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	69	-	275402 190466
162	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	A13SW (SW)	69	-	275402 190466
163	Contemporary Trade Directory Entries Name: The Princess Of Wales Hospital Location: Site Office, Neath Port Talbot Hospital, Baglan Way, Aberavon, SA12 7BX Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	249	-	275294 190321
164	Contemporary Trade Directory Entries Name: Gss Support Services Location: 10, Rhodes Avenue, Port Talbot, West Glamorgan, SA12 6UT Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	257	-	275670 190373
165	Contemporary Trade Directory Entries Name: Frenni Location: 14, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	275	-	275284 190796
165	Contemporary Trade Directory Entries Name: Excel Assemblies Ltd Location: Unit 14, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	275	-	275284 190796
165	Contemporary Trade Directory Entries Name: Frenni Transport Ltd Location: 14, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	275	-	275284 190796
166	Contemporary Trade Directory Entries Name: Engineering Repairs & Services Ltd Location: Unit 6, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	319	-	275197 190783
167	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	A13NW (NW)	335	-	275136 190734
168	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	A12NE (W)	340	-	275095 190657
169	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	A12SE (W)	356	-	275065 190519

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	Contemporary Trade Directory Entries Name: B A W Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	367	-	275258 190887
170	Contemporary Trade Directory Entries Name: Eurogrind Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	367	-	275258 190887
170	Contemporary Trade Directory Entries Name: T & R Phillips Haulage Location: Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (NW)	367	-	275258 190887
170	Contemporary Trade Directory Entries Name: Tech Pressings Ltd Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	367	-	275258 190887
170	Contemporary Trade Directory Entries Name: B A W Precision Engineering Location: UNIT 16, BAGLAN WAY, BAGLAN INDUSTRIAL PARK, PORT TALBOT, SA12 7BY Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	367	-	275258 190887
170	Contemporary Trade Directory Entries Name: Tyregenis Location: Unit 16, Aberafon Rd, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7DJ Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	367	-	275257 190886
170	Contemporary Trade Directory Entries Name: Tyregenis Ltd Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Tyre Disposal Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	367	-	275258 190887
171	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	A12NE (W)	396	-	275036 190654
172	Contemporary Trade Directory Entries Name: Envico Engineering Location: Unit 8, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	405	-	275142 190849
173	Contemporary Trade Directory Entries Name: Screwfix Location: Baglan Industrial Estate, Aberavon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	434	-	275059 190795
173	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	A12NE (NW)	450	-	275024 190768

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	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	A12NE (NW)	450	-	275024 190768
173	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	A12NE (NW)	474	-	274984 190743
173	Contemporary Trade Directory Entries Name: Howdens Joinery Co Location: Unit 17, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	474	-	274984 190743
173	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	A12NE (NW)	475	-	274984 190743
174	Contemporary Trade Directory Entries Name: Best Auto Repairs Ltd Location: 1, Alfred Street, Port Talbot, West Glamorgan, SA12 6UL Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	450	-	275675 190125
174	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	A8NE (SE)	459	-	275642 190096
175	Contemporary Trade Directory Entries Name: Vector International Ltd Location: 18, Baglan Way, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BY Classification: Oil & Gas Exploration Supplies & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	463	-	275235 190982
175	Contemporary Trade Directory Entries Name: Tempertech Location: 18, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Classification: Window Frame Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	463	-	275235 190982
176	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	A8NW (S)	474	-	275327 190057
176	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	A8NW (S)	474	-	275327 190057
177	Contemporary Trade Directory Entries Name: Component Print Ltd Location: Unit 15, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	484	-	274966 190725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	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	A12NE (W)	484	-	274966 190725
178	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	A8NW (S)	486	-	275435 190028
178	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	A8NE (S)	513	-	275474 190002
179	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	A8NW (S)	511	-	275378 190009
179	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	A8NW (S)	512	-	275378 190008
179	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	A8NW (S)	515	-	275312 190019
179	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	A8NW (S)	515	-	275312 190019
179	Contemporary Trade Directory Entries Name: Andreas Haaf 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	A8NW (S)	517	-	275347 190008
179	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	A8NW (S)	533	-	275338 189994
179	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	A8NW (S)	537	-	275378 189982
179	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	A8NW (S)	537	-	275364 189985

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	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	A8NW (S)	538	-	275378 189982
179	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	A8NW (S)	539	-	275370 189982
179	Contemporary Trade Directory Entries Name: S & E Engineering Location: Unit 27, Port Talbot Workshops, Addison Road, Port Talbot, SA12 6HZ Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	544	-	275350 189980
179	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	A8NW (S)	559	-	275324 189970
180	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	A8NW (S)	528	-	275395 189989
180	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	A8NW (S)	530	-	275394 189987
180	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	A8NW (S)	563	-	275392 189954
181	Contemporary Trade Directory Entries Name: Pioneer Maintenance Services Location: 32, Rees Street, Port Talbot, West Glamorgan, SA12 6HB Classification: Swimming Pool Contractors, Repairers & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	529	-	275985 190451
182	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	A12NE (NW)	536	-	274947 190806
182	Contemporary Trade Directory Entries Name: D H Logistics Services Ltd Location: Unit 25, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	541	-	274935 190795
182	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	A12NE (NW)	548	-	274921 190781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	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	A12NE (NW)	548	-	274921 190781
182	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	A12NE (NW)	548	-	274921 190781
182	Contemporary Trade Directory Entries Name: Lifting Gear & Safety Location: Unit 26, Aberafon Road, Baglan Industrial Park, Port Talbot, SA12 7DJ Classification: Lifting Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	548	-	274921 190781
182	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	A12NE (NW)	554	-	274909 190768
183	Contemporary Trade Directory Entries Name: S E I Interconnect Products (Europe) Ltd Location: Unit 34, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	550	-	274996 190905
184	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	A8NW (S)	553	-	275288 189986
185	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	A8NW (S)	560	-	275301 189975
185	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	A8NW (S)	570	-	275339 189956
186	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	A8NW (S)	568	-	275430 189947
186	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	A8NW (S)	574	-	275436 189941
186	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	A8NE (S)	579	-	275442 189935

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	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	A8NE (S)	579	-	275442 189935
187	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	A8NE (S)	569	-	275503 189948
188	Contemporary Trade Directory Entries Name: Amps Location: Unit 32, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	587	-	274921 190863
188	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	A12NE (NW)	592	-	274908 190853
188	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	A12NE (NW)	600	-	274892 190839
189	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	A8NW (S)	590	-	275359 189932
189	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	A8NW (S)	615	-	275376 189904
189	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	A8NW (S)	628	-	275372 189892
189	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	A8NW (S)	645	-	275396 189872
189	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	A8NW (S)	649	-	275385 189869
190	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	A12SE (W)	602	-	274823 190469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	Contemporary Trade Directory Entries Name: Cultech Location: Unit 2, Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BZ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	633	-	275061 191077
191	Contemporary Trade Directory Entries Name: Interpak Ltd Location: Unit 2, Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BZ Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	633	-	275061 191077
191	Contemporary Trade Directory Entries Name: Vega Nutritionals Location: Unit 3-4 Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BZ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	634	-	275059 191077
191	Contemporary Trade Directory Entries Name: Krunchie Ltd Location: Unit 2, Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	634	-	275059 191077
192	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	A8NW (S)	633	-	275247 189915
192	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	A8NW (S)	633	-	275247 189915
193	Contemporary Trade Directory Entries Name: Envases Location: Unit 1, Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Classification: Aerosols Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	636	-	275180 191147
194	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	A12SE (W)	662	-	274782 190375
195	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	A12SW (W)	683	-	274740 190485
196	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	A8SW (S)	691	-	275425 189824
197	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	A8SE (S)	694	-	275654 189850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	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	A8SE (S)	711	-	275685 189843
197	Contemporary Trade Directory Entries Name: Dragon Heat Transfer Ltd Location: Unit 3, Henshaw St, Port Talbot, West Glamorgan, SA12 6NH Classification: Car Radiator Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	712	-	275696 189846
197	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	A8SE (S)	718	-	275687 189837
197	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	A8SE (S)	723	-	275688 189831
197	Contemporary Trade Directory Entries Name: Premier Sports & Leisure Apparel Ltd Location: Unit 3a Henshaw St, Port Talbot, West Glamorgan, SA12 6NH Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	724	-	275698 189834
198	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	A12NW (W)	726	-	274711 190714
199	Contemporary Trade Directory Entries Name: Morris Windows Location: Factory, Henshaw St, Port Talbot, West Glamorgan, SA12 6NH Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	736	-	275702 189822
199	Contemporary Trade Directory Entries Name: Body Repair Centre Location: Henshaw St, Port Talbot, West Glamorgan, SA12 6NH Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	738	-	275702 189820
200	Contemporary Trade Directory Entries Name: Dh Logistics Services Location: Christchurch Rd, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7BZ Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	738	-	274792 190943
201	Contemporary Trade Directory Entries Name: Talbot Blind Co Location: 184, Water Street, Port Talbot, West Glamorgan, SA12 6LL Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	746	-	275886 189909
201	Contemporary Trade Directory Entries Name: Little Feather Duster Location: 178, Water Street, Port Talbot, SA12 6LL Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	763	-	275906 189902
201	Contemporary Trade Directory Entries Name: Afan Way Services Location: Water St, Port Talbot, West Glamorgan, SA12 6LL Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	773	-	275904 189888

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	Contemporary Trade Directory Entries Name: Proclean Location: Isaacs Pl, Port Talbot, West Glamorgan, SA12 6NP Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	793	-	275849 189828
202	Contemporary Trade Directory Entries Name: Olympus Catering Ltd Location: Isaacs Place, Port Talbot, West Glamorgan, SA12 6NP Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A9SW (SE)	839	-	275876 189791
203	Contemporary Trade Directory Entries Name: Weartech Location: Moor Road, Port Talbot, West Glamorgan, SA12 7BJ Classification: Foundries Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	796	-	274889 191147
203	Contemporary Trade Directory Entries Name: Atlantic Systems Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	796	-	274889 191147
203	Contemporary Trade Directory Entries Name: Atlantic Systems Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	796	-	274889 191147
203	Contemporary Trade Directory Entries Name: Awco Ltd Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	796	-	274889 191147
203	Contemporary Trade Directory Entries Name: Elecbrand Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	796	-	274889 191147
203	Contemporary Trade Directory Entries Name: Cornelius Electronics Location: Unit 1, Moor Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7BJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	796	-	274889 191147
204	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	796	-	274788 191039
205	Contemporary Trade Directory Entries Name: Cvc Recovery & Quality Used Parts Location: 15, St. Mary Street, Port Talbot, West Glamorgan, SA12 6DU Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	819	-	276210 190192
206	Contemporary Trade Directory Entries Name: Roger Davies Ltd Location: 2, Sea View Terrace, Baglan, Port Talbot, SA12 8HW Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	830	-	276291 190517

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	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	A8SW (S)	836	-	275429 189678
207	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	A8SE (S)	838	-	275472 189676
208	Contemporary Trade Directory Entries Name: Celtic Leather & Fabric Location: Unit 1, Henshaw Street, Port Talbot, SA12 6NH Classification: Textile Manufacturing Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	843	-	275759 189729
208	Contemporary Trade Directory Entries Name: Site Heat Treatment Services Ltd Location: Unit 2, Henshaw Street, Port Talbot, West Glamorgan, SA12 6NH Classification: Heat Treatment - Metals Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	843	-	275759 189729
208	Contemporary Trade Directory Entries Name: R P Tyres & Exhaust Centre Location: Unit 4, Henshaw Street, Port Talbot, SA12 6NH Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	861	-	275751 189707
208	Contemporary Trade Directory Entries Name: Oates Engineering Services Location: Unit 1, Isaacs Place, Port Talbot, West Glamorgan, SA12 6NP Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (S)	878	-	275785 189703
209	Contemporary Trade Directory Entries Name: B Harwood & Son Ltd Location: Water Street, Port Talbot, West Glamorgan, SA12 6LF Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	844	-	276094 189964
209	Contemporary Trade Directory Entries Name: Harwoods Location: Water Street, Port Talbot, SA12 6LF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	852	-	276115 189977
210	Contemporary Trade Directory Entries Name: Skelton Thomas Engineering Ltd Location: Water Street, Port Talbot, West Glamorgan, SA12 6LL Classification: Valve Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	850	-	275942 189820
211	Contemporary Trade Directory Entries Name: Gogo'S Motors Location: UNIT 3, ISAACS PLACE, PORT TALBOT, SA12 6NP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	882	-	275803 189705
211	Contemporary Trade Directory Entries Name: The Range Co Location: Unit 4, Isaacs Place, Port Talbot, SA12 6NP Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	883	-	275810 189707

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
212	Contemporary Trade Directory Entries Name: Builders Supplies Port Talbot Ltd Location: Green Park Industrial Estate, Port Talbot, West Glamorgan, SA12 6NU Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	900	-	276076 189866
212	Contemporary Trade Directory Entries Name: Valley Reclamation Ltd Location: Green Park Industrial Estate, Port Talbot, West Glamorgan, SA12 6NU Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A9SW (SE)	935	-	276096 189837
213	Contemporary Trade Directory Entries Name: West Glamorgan Auto Electrical Location: Water St, Port Talbot, West Glamorgan, SA12 6LF Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	903	-	276154 189944
214	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	A12NW (W)	914	-	274558 190860
215	Contemporary Trade Directory Entries Name: Ats Euromaster Ltd Location: Afan Way, PORT TALBOT, West Glamorgan, SA12 6NR Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	917	-	275949 189744
216	Contemporary Trade Directory Entries Name: Extraclean Location: 12, Sarnfan Baglan Road, Baglan, PORT TALBOT, West Glamorgan, SA12 8AG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	923	-	275467 191483
217	Contemporary Trade Directory Entries Name: Orange West Scaffolding Location: Green Pk Ind Est, Port Talbot, West Glamorgan, SA12 6NU Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	949	-	276154 189874
218	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	950	-	274647 191106
219	Contemporary Trade Directory Entries Name: Bollom Ltd Location: Aberafan Centre, Port Talbot, West Glamorgan, SA13 1PB Classification: Dry Cleaners Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	971	-	276380 190208
219	Contemporary Trade Directory Entries Name: Klick Location: 8, Aberafan Centre, Port Talbot, West Glamorgan, SA13 1PB Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (E)	995	-	276402 190199
220	Fuel Station Entries Name: Fairfield Garage Proteus Location: 63, Sandfields Road, , Port Talbot, Neath Port Talbot, SA12 6LR Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	-	275642 190096

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	Fuel Station Entries Name: Afan Way Service Station Location: Afan Way , , Port Talbot, Neath Port Talbot, SA12 6NR Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	853	-	275967 189835
222	Fuel Station Entries Name: Morrisons Baglan Location: Christchurch Road , Baglan Moor , Port Talbot, Neath Port Talbot, SA12 7BZ Brand: Morrisons Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	950	-	274646 191106
223	Points of Interest - Commercial Services Name: Frenni Transport Ltd Location: 14 Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (NW)	274	9	275284 190795
223	Points of Interest - Commercial Services Name: Frenni Location: 14 Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (NW)	274	9	275284 190795
224	Points of Interest - Commercial Services Name: T & R Phillips Haulage Location: Unit 16, Baglan Way, Baglan Industrial Park, Port Talbot, SA12 7BY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (NW)	367	9	275258 190887
224	Points of Interest - Commercial Services Name: Tyregenics Ltd Location: Unit 16, Aberafon Rd, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7DJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A18SW (NW)	367	9	275257 190886
224	Points of Interest - Commercial Services Name: Tyregenics Location: Unit 16, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A18SW (NW)	368	9	275258 190888
225	Points of Interest - Commercial Services Name: D M Location: 1 Alfred Street, Port Talbot, SA12 6UL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	450	9	275675 190125
225	Points of Interest - Commercial Services Name: Best Auto Repairs Ltd Location: 1 Alfred Street, Port Talbot, SA12 6UL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	450	9	275675 190124
225	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	A8NE (SE)	459	9	275642 190096
226	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	A8NW (S)	474	9	275327 190057

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	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	A8NW (S)	485	9	275326 190046
226	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	A8NW (S)	505	9	275371 190016
227	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	A8NE (S)	513	9	275474 190002
227	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	A8NE (S)	570	9	275502 189947
227	Points of Interest - Commercial Services Name: Just M O T 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	A8NE (S)	579	9	275442 189935
227	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	A8NE (S)	579	9	275442 189935
227	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	A8NW (S)	649	9	275385 189869
228	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	A7NE (SW)	773	9	274948 189927
229	Points of Interest - Commercial Services Name: S W Freight Logistic Ltd Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	810	9	275067 191286
230	Points of Interest - Commercial Services Name: Roger Davies Ltd Location: 2 Sea View Terrace, Baglan, Port Talbot, SA12 8HW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	830	9	276291 190517
230	Points of Interest - Commercial Services Name: Green Flag Location: 2 Sea View Terrace, Port Talbot, SA12 8HW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	831	9	276291 190517
231	Points of Interest - Commercial Services Name: B Harwood & Son Location: Water Street, Port Talbot, SA12 6LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	844	9	276094 189964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
231	Points of Interest - Commercial Services Name: Harwoods Location: Water Street, Port Talbot, SA12 6LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	852	9	276115 189977
231	Points of Interest - Commercial Services Name: B Harwood & Son Ltd Location: Water Street, Port Talbot, SA12 6LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	852	9	276115 189977
232	Points of Interest - Commercial Services Name: Gogo's Motors Location: Unit 3, Isaacs Place, Port Talbot, SA12 6NP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	882	9	275803 189705
233	Points of Interest - Commercial Services Name: Car Wash Location: Christchurch Road, Baglan Moor, Port Talbot, West Glamorgan, SA12 7BZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	950	9	274646 191106
233	Points of Interest - Commercial Services Name: Morrisons Car Wash Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7DA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	951	9	274647 191108
233	Points of Interest - Commercial Services Name: Morrisons Baglan Location: Christchurch Road, Baglan Moor, Port Talbot, SA12 7BZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	958	9	274657 191134
234	Points of Interest - Commercial Services Name: Valley Waste Metal Services Location: Green Park Industrial Estate, Port Talbot, SA12 6NT Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A9SE (SE)	981	9	276145 189820
235	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	A13NW (W)	12	9	275411 190544
235	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	A13SW (SW)	63	9	275395 190484
235	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	A13SW (SW)	69	9	275402 190466
235	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	A13SW (SW)	69	9	275402 190466
235	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	A13SW (SW)	69	9	275402 190466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
235	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	A13SW (SW)	69	9	275402 190466
235	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	A13SW (SW)	69	9	275402 190466
235	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	A13SW (SW)	69	9	275402 190466
236	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	A8NW (S)	633	9	275247 189915
237	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	A13NW (NW)	345	9	275138 190754
238	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	A8NW (S)	573	9	275403 189943
239	Points of Interest - Manufacturing and Production Name: Baglan Industrial Park Location: SA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	608	9	275167 191111
239	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	A18SW (NW)	681	9	275144 191180
240	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	A12NW (W)	698	9	274743 190727
240	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	A12NW (W)	704	9	274736 190722
241	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	A8SE (S)	758	9	275531 189761
242	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	A9SW (SE)	790	9	275778 189795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
243	Points of Interest - Manufacturing and Production Name: Business Centre Location: SA12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	859	9	276101 189949
244	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	A17NE (NW)	876	9	274983 191316
245	Points of Interest - Manufacturing and Production Name: Works Location: SA12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	883	9	275820 189712
245	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	885	9	275826 189713
246	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	A17SW (NW)	907	9	274588 190916
247	Points of Interest - Public Infrastructure Name: Tyregenics Location: Unit 16, Aberafon Rd, Baglan Ind Pk, Port Talbot, West Glamorgan, SA12 7DJ Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A18SW (NW)	367	9	275257 190886
247	Points of Interest - Public Infrastructure Name: Tyregenics Location: Unit 16, Aberafon Road, Baglan Industrial Park, Port Talbot, West Glamorgan, SA12 7DJ Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A18SW (NW)	368	9	275258 190888
248	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	A8NW (S)	574	9	275239 189981
249	Points of Interest - Public Infrastructure Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	864	9	276191 190061
249	Points of Interest - Public Infrastructure Name: Cemetery Location: SA12 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	870	9	276198 190061
249	Points of Interest - Public Infrastructure Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	901	9	276182 189983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
249	Points of Interest - Public Infrastructure Name: Graveyard Location: SA12 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	901	9	276183 189984
250	Points of Interest - Public Infrastructure Name: Outfall Location: SA13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	917	9	275747 189646
250	Points of Interest - Public Infrastructure Name: Outfall Location: SA13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	918	9	275752 189647
251	Points of Interest - Public Infrastructure Name: Bus Depot Location: SA12 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	923	9	274564 190902
251	Points of Interest - Public Infrastructure Name: Bus Depot Location: SA12 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	924	9	274564 190903
252	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	A9SW (SE)	937	9	275859 189671
253	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	A8SE (S)	940	9	275639 189593
253	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	A8SE (S)	940	9	275635 189593
253	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	A8SE (S)	980	9	275607 189547
254	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7BZ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	950	9	274646 191106
254	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7DA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	950	9	274647 191106
254	Points of Interest - Public Infrastructure Name: Morrisons Baglan Location: Christchurch Road, Baglan Moor, Port Talbot, SA12 7BZ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	950	9	274646 191106

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
254	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Christchurch Road, Baglan Industrial Park, Port Talbot, SA12 7DA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	951	9	274647 191108
255	Points of Interest - Public Infrastructure Name: Sluice Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	954	9	276013 189743
255	Points of Interest - Public Infrastructure Name: Sluice Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	956	9	276017 189744
255	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	974	9	276055 189750
255	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	975	9	276058 189751
255	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	A9SW (SE)	980	9	276005 189706
255	Points of Interest - Public Infrastructure Name: Sluice Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	982	9	276056 189741
255	Points of Interest - Public Infrastructure Name: Sluice Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	983	9	276058 189741
255	Points of Interest - Public Infrastructure Name: Sluice Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	989	9	276021 189706
255	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	992	9	276047 189721
255	Points of Interest - Public Infrastructure Name: Sluice Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	993	9	276023 189702
255	Points of Interest - Public Infrastructure Name: Weir Location: SA12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	993	9	276049 189721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
256	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	A11NE (W)	998	9	274421 190561
256	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	A11NE (W)	999	9	274420 190562
257	Points of Interest - Recreational and Environmental Name: Playground Location: Hopkin Street, SA12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (E)	527	9	275959 190351
257	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	A14SW (E)	538	9	275968 190343
257	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	A14SW (E)	568	9	275990 190316
257	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	588	9	276005 190300
258	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	A7NE (SW)	704	9	275011 189965
258	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	A7NE (SW)	728	9	274978 189962
258	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	A7NE (SW)	729	9	274978 189960

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Natural Resources Wales Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department	June 2020 October 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 January 2022	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	January 2021 January 2022	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2015	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2022	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	As notified
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency Wales - South West Area Natural Resources Wales	January 2021 January 2022	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	January 2022 November 2021	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	January 2022 October 2017	Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	July 2017	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
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	Quarterly
OS Water Network Lines Ordnance Survey	January 2022	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

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	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	October 2021 October 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South West Area	April 2021 July 2021	Quarterly Quarterly
Local Authority Landfill Coverage City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - South West Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable
Planning Hazardous Substance Consents City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	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	November 2021	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	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	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	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2021	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2021	Quarterly
Points of Interest - Education and Health PointX	December 2021	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2021	Quarterly
Points of Interest - Public Infrastructure PointX	December 2021	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2021	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

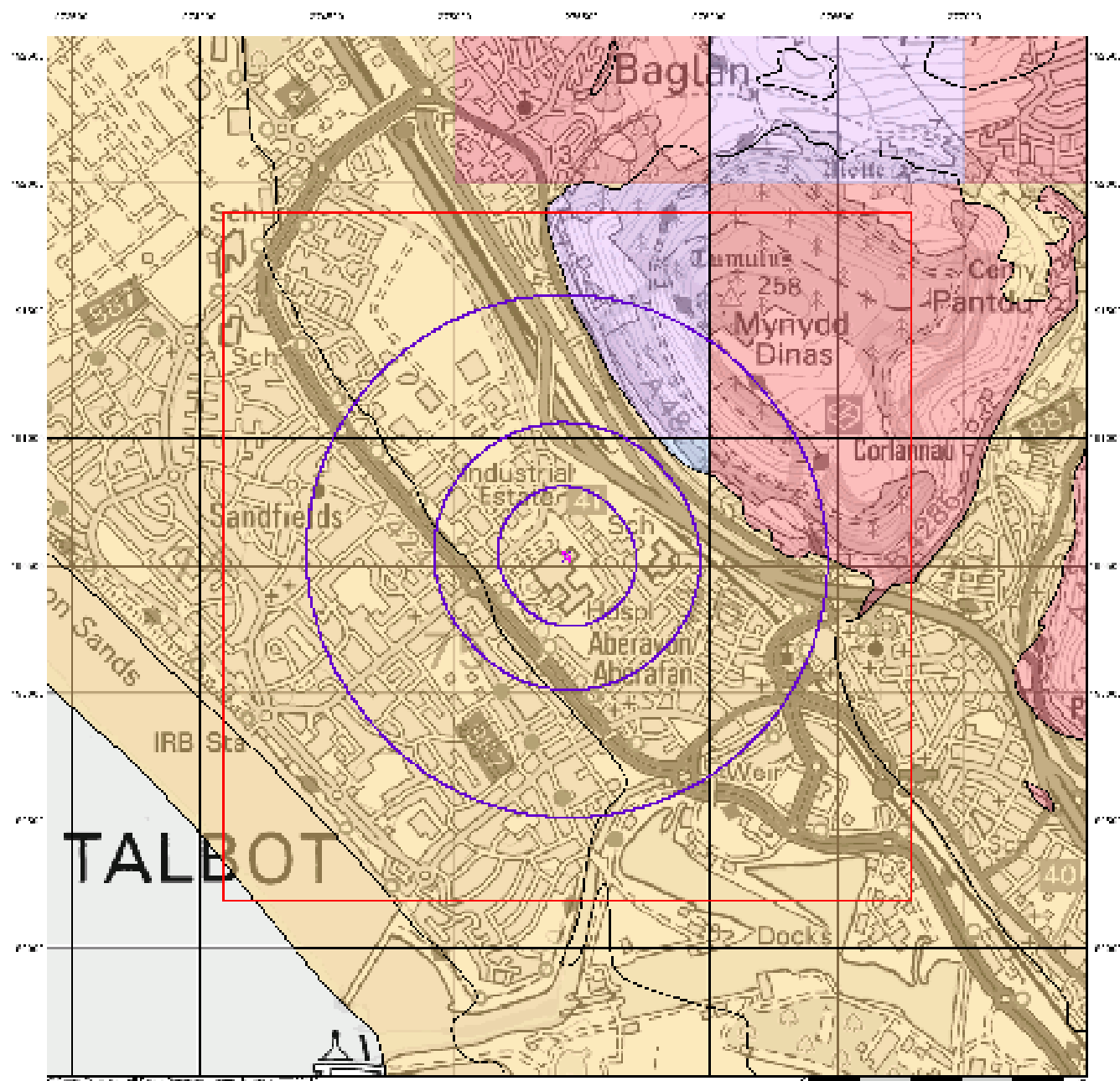
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	September 2018	Bi-Annually
Areas of Adopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves City and County of Swansea Neath Port Talbot County Borough Council	August 2018 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	February 2022	Bi-Annually
National Parks Natural Resources Wales	February 2018	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 July 2019	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2020	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

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

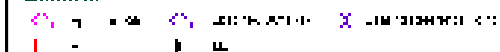
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	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 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Groundwater Vulnerability

CHINA



Agency and Hydrological

Feedback: Inquiries



Superficial Aquifers



Site Sensitivity Context Map - Slice A



Order Details

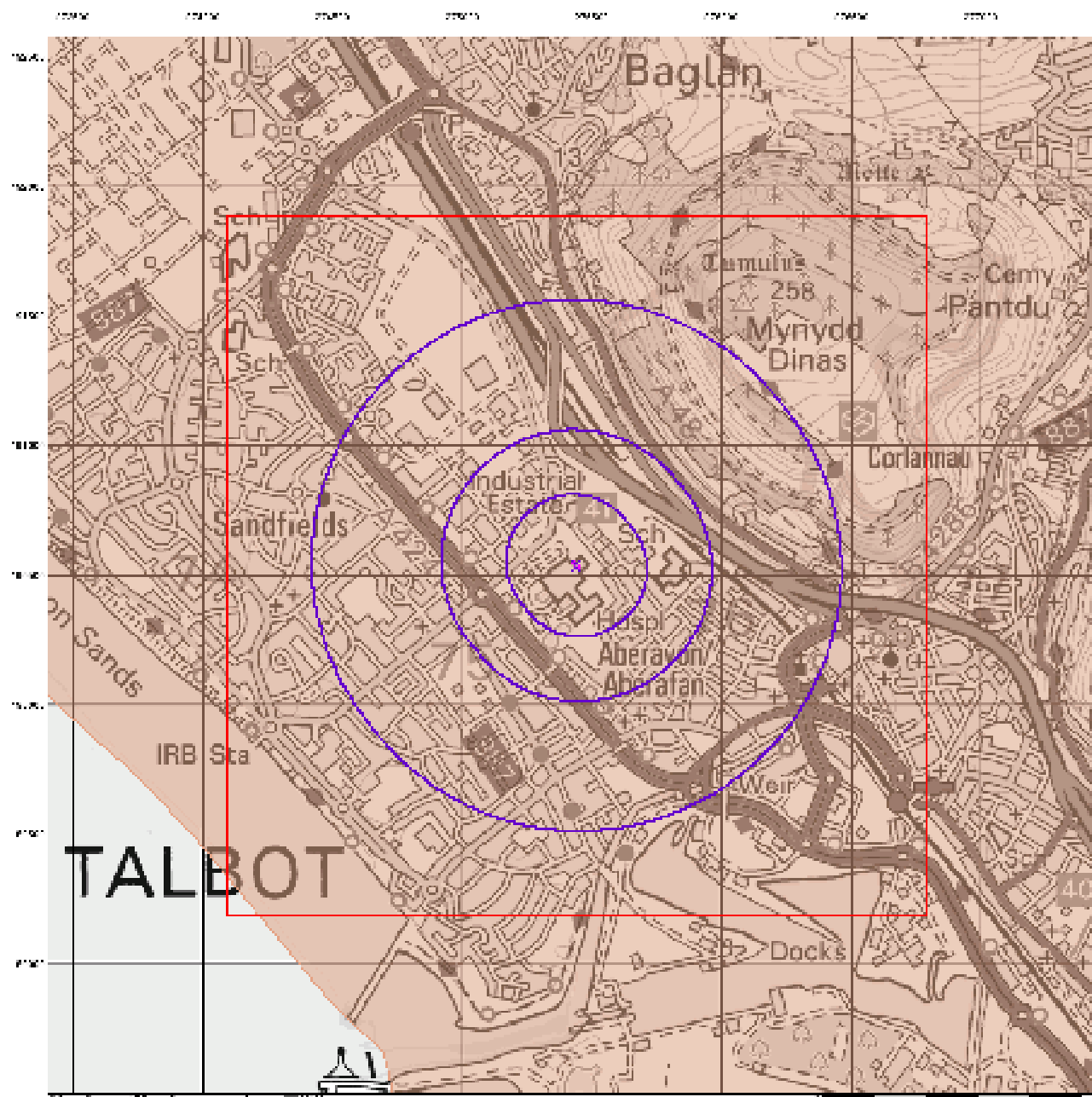
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Customer Ref:	17166
National Grid Reference:	275440, 190540
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details

Site at 275450, 190530



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



Bedrock Aquifer Designation

General

Site Area
 Search Buffer
 Designated Area

Agency and Hydrological

Geological Classes

- Primary Aquifer
- Secondary Aquifer
- Secondary Aquifer
- Secondary Aquifer
- Unconsolidated Aquifer
- Unconsolidated
- Unconsolidated Aquifer

Site Sensitivity Context Map - Slice A



Order Details

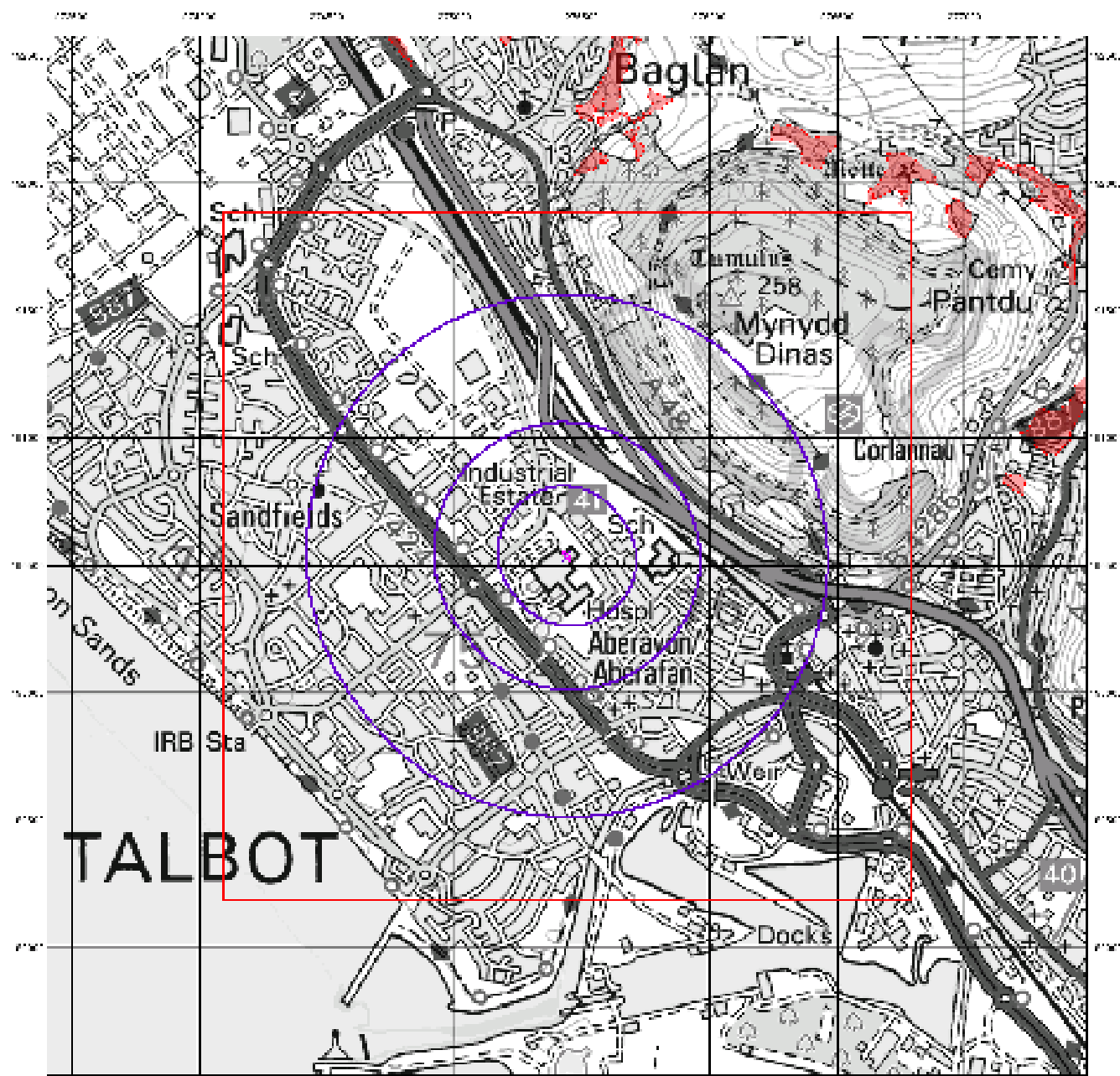
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 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530



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



Sensitive Land Uses

Ground

Groundwater
 Contaminated Groundwater
 Watercourse

Sensitive Land Uses

Agriculture
 Ancient Woodland
 Biodiversity
 Built-up Area
 Cemeteries
 Conservation Areas
 Countryside
 Docks
 Industrial Areas
 Military Areas
 Natural Areas
 Open Space
 Public Open Space
 Recreation
 Residential Areas
 Schools
 Sensitive Land Uses
 Watercourses
 Waste Management Areas

Site Sensitivity Context Map - Slice A



Order Details

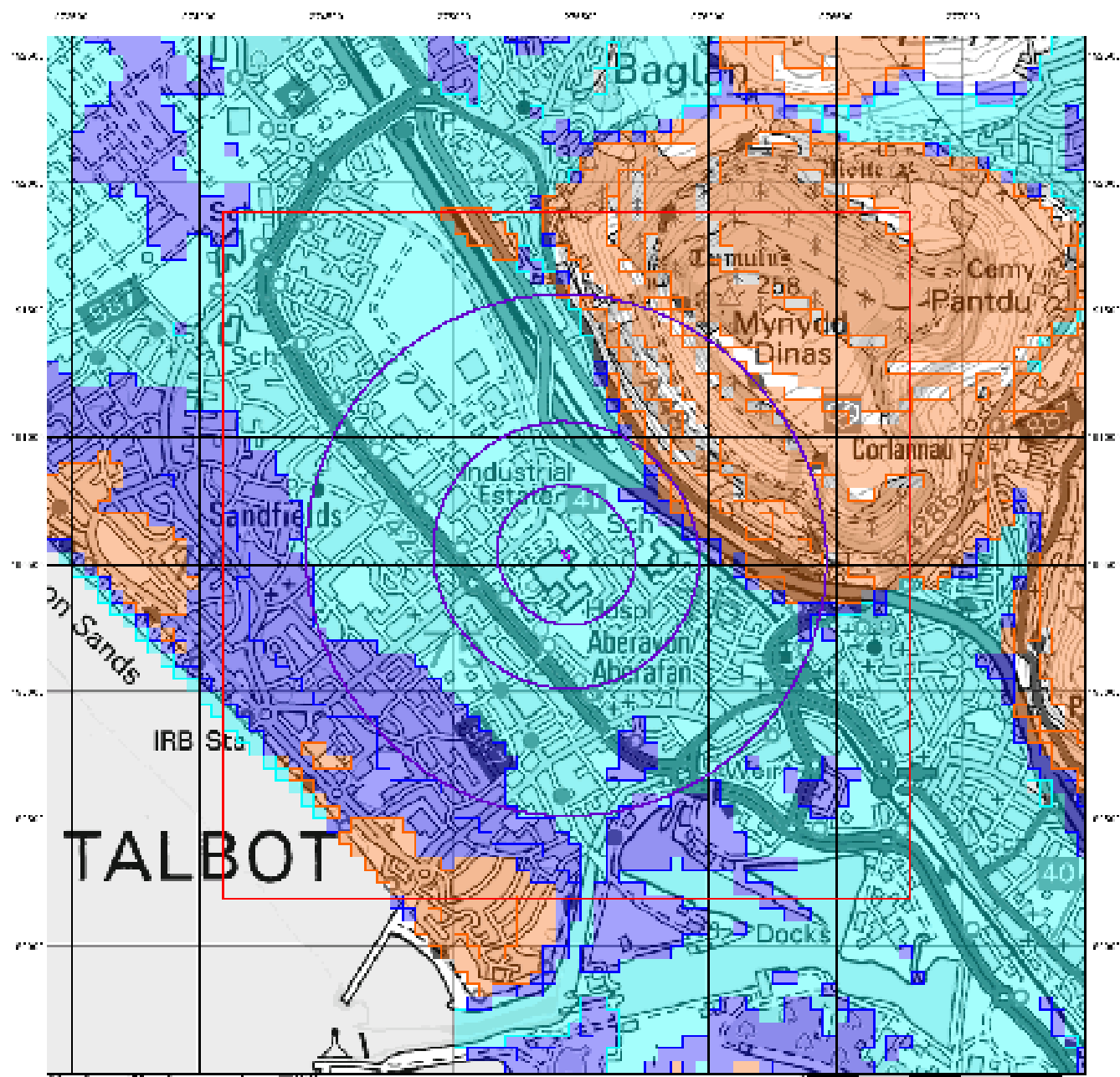
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 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530



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



BGS Flood GFS Data

General

- ✖ Flood Risk - High
- ✖ Flood Risk - Medium
- ✖ Flood Risk - Low
- ✖ Flood Risk - Very Low

Agency and Hydrological (Flood)

- ✖ Flood Risk - High (Agency and Hydrological)
- ✖ Flood Risk - Medium (Agency and Hydrological)
- ✖ Flood Risk - Low (Agency and Hydrological)

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530



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

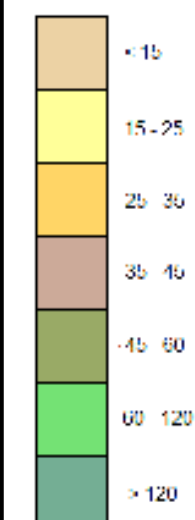
General

Structure Boundary Structure Boundary Testing Reference Point

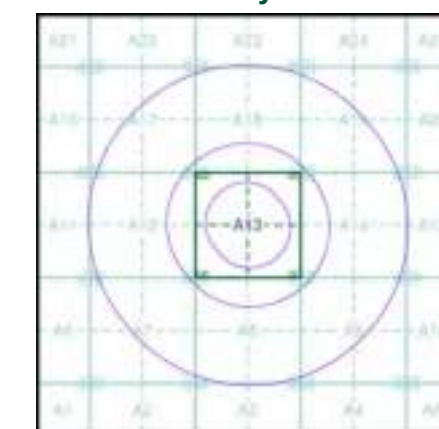
Urban Soil Chemistry Arsenic

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

Arsenic Concentrations mg/kg



Urban Soil Chemistry Arsenic - Slice A

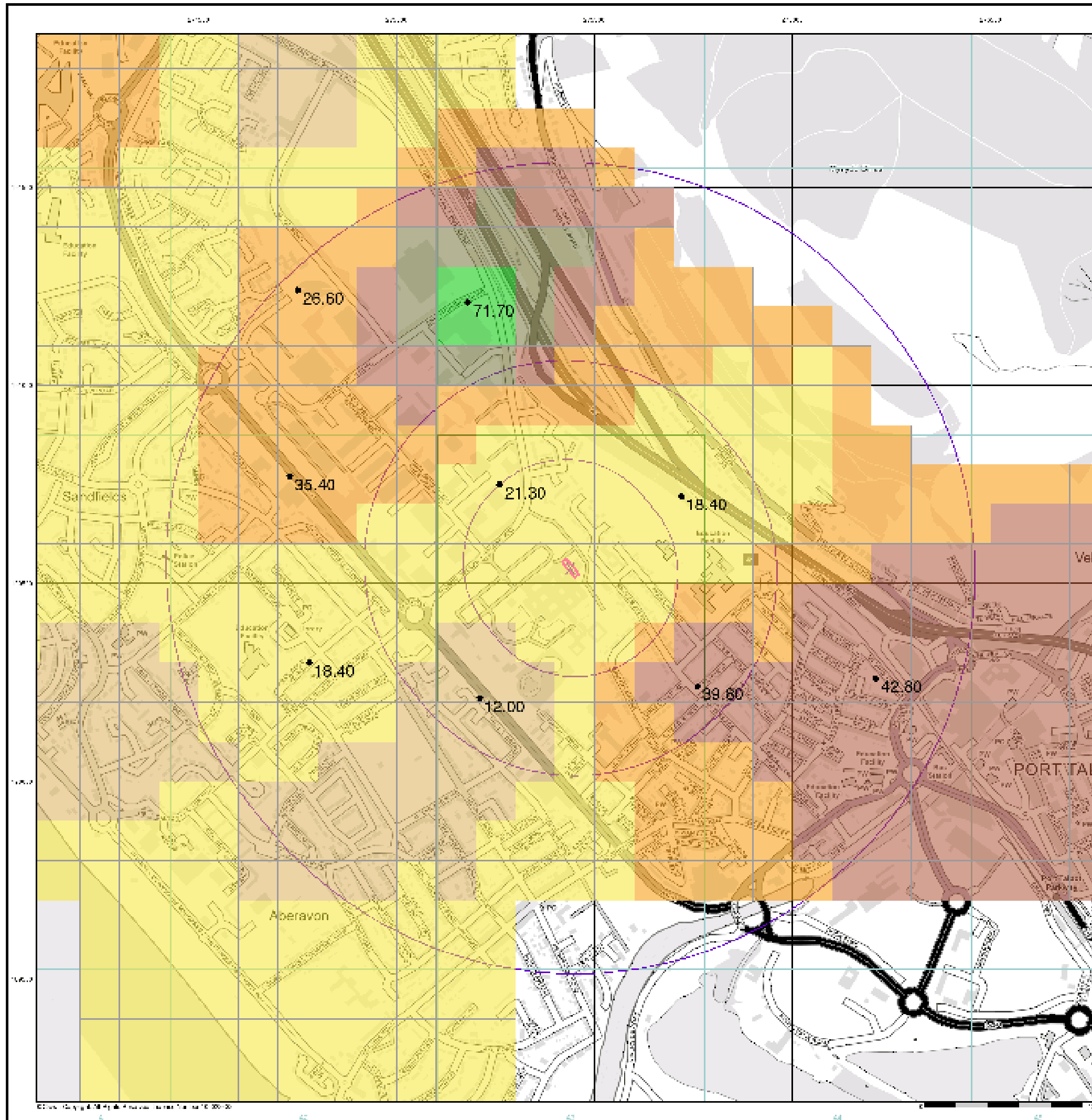


Order Details

Order Details: 291876629_1_1
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National Grid Reference: 275440, 190540
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Site Area (Ha): 0.07
Search buffer (m): 1000

Site Details

Site at 275450, 190530

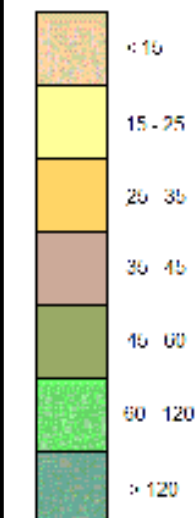


General

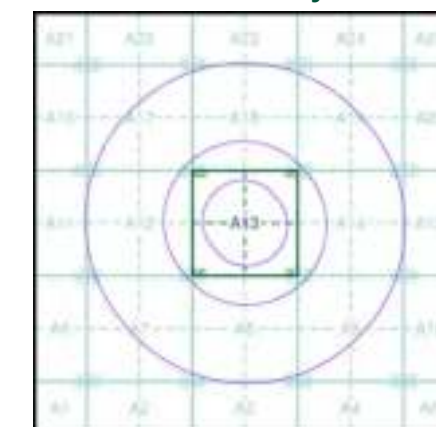
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Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search buffer (m): 1000

Site Details

Site at 275450, 190530

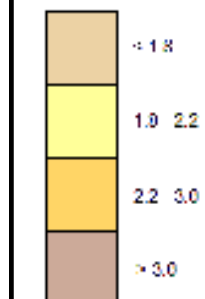
General

Specified Site Specified Buffer X Showing the location of the site

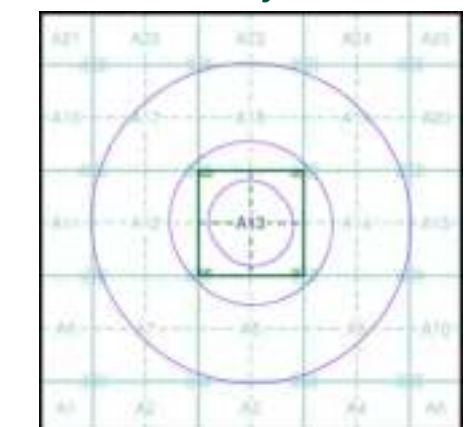
Urban Soil Chemistry Cadmium

• DCS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Cadmium Concentrations mg/kg



Urban Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search buffer (m): 1000

Site Details

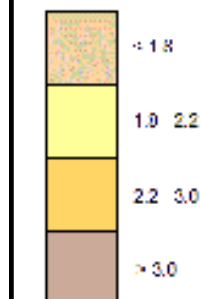
Site at 275450, 190530

General

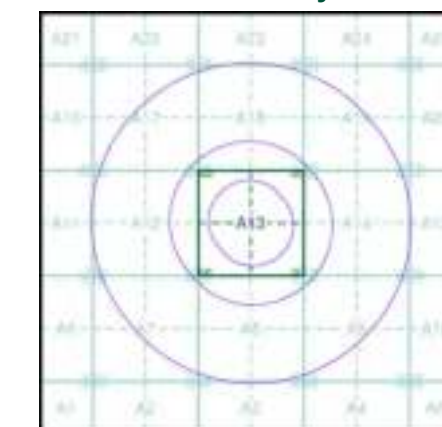
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Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search buffer (m): 1000

Site Details

Site at 275450, 190530

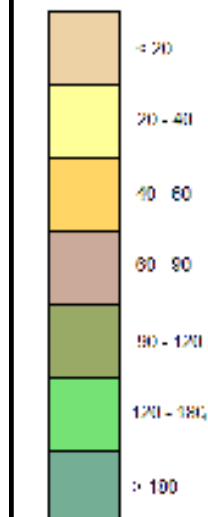
General

● Contaminated Area
 ○ Study Area Boundary
 ✕ Testing Reference Point

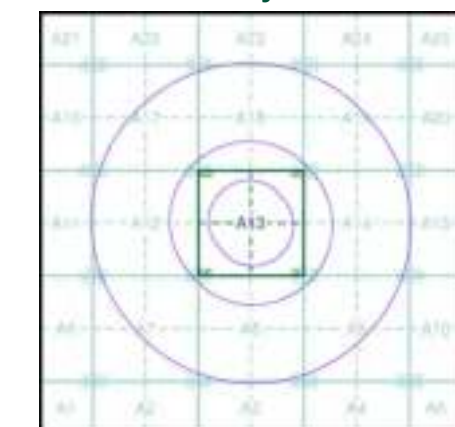
Urban Soil Chemistry Chromium

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

Chromium Concentrations mg/kg



Urban Soil Chemistry Chromium - Slice A



Order Details

Order Details: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search buffer (m): 1000

Site Details

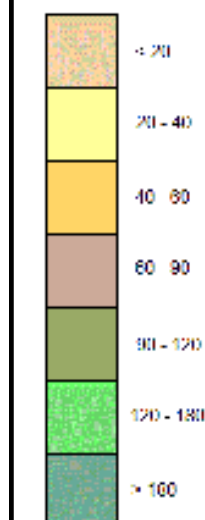
Site at 275450, 190530

General

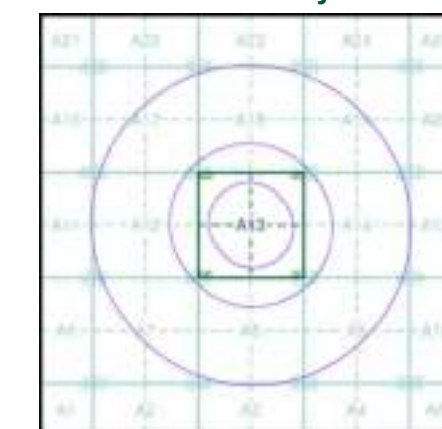
X Specimen ID: X Specimen ID: 1000 X Date: 11/03/2022

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search buffer (m): 1000

Site Details

Site at 275450, 190530

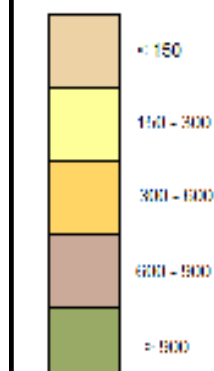
General

● Spill Site
○ Spill Buffer
X Boundary Point

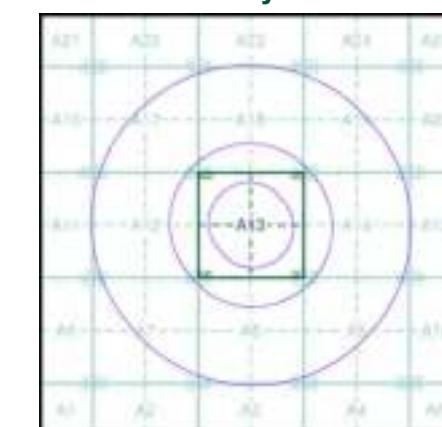
Urban Soil Chemistry Lead

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

Lead Concentrations (mg/kg)



Urban Soil Chemistry Lead - Slice A



Order Details

Order Details: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search buffer (m): 1000

Site Details

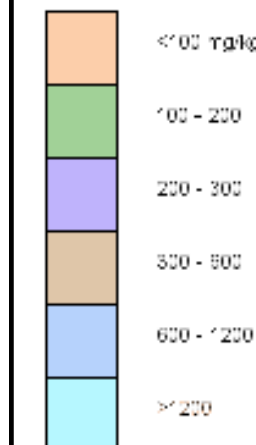
Site at 275450, 190530

General

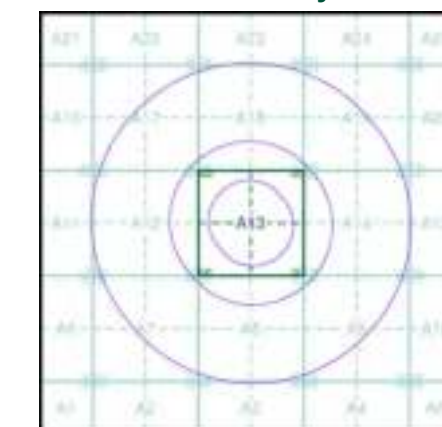
○ Specified Site
 ○ Specified Material
 X Boundary Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search buffer (m): 1000

Site Details

Site at 275450, 190530

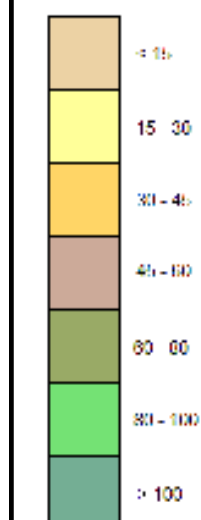
General

● Spoil Tip ○ Contaminated Land X Existing Contaminated Land

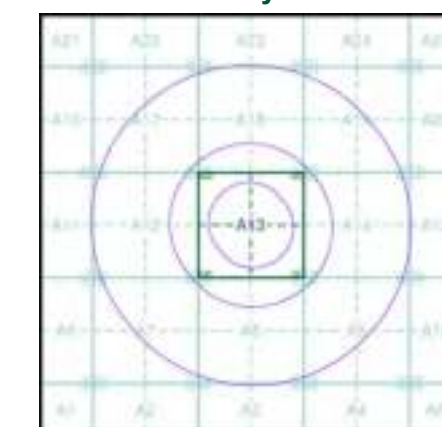
Urban Soil Chemistry Nickel

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

Nickel Concentrations mg/kg



Urban Soil Chemistry Nickel - Slice A

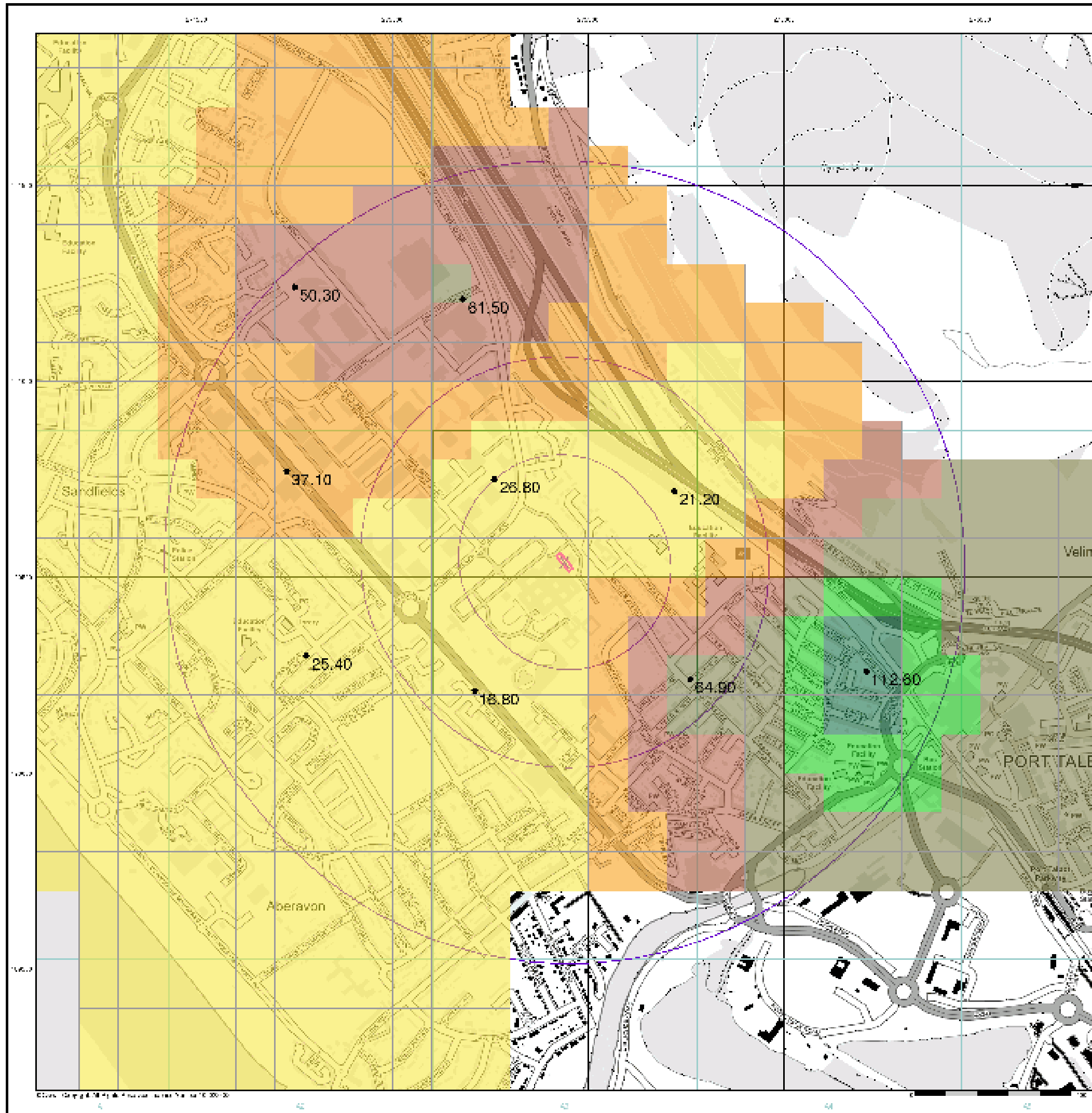


Order Details

Order Details: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search buffer (m): 1000

Site Details

Site at 275450, 190530

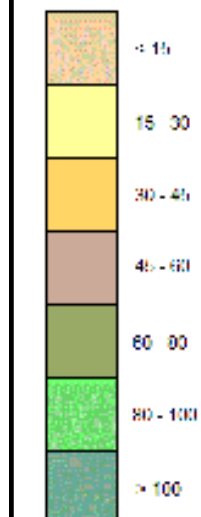


General

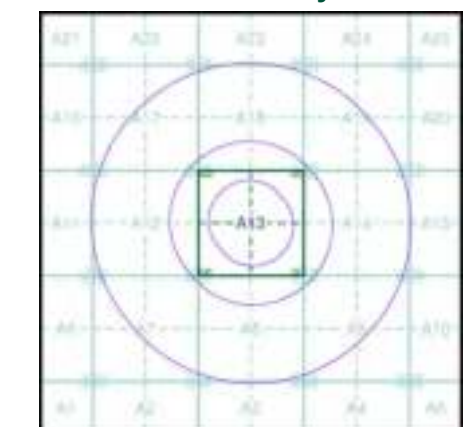
Structure X Groundwater X Change to values

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search buffer (m): 1000

Site Details

Site at 275450, 190530



Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site at 275450, 190530

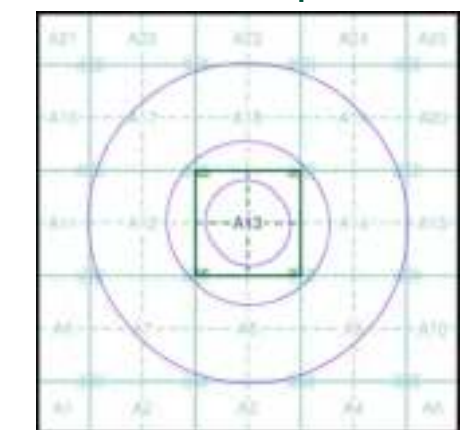
General

-  Acquisition
-  Specified Buffer
-  Bearing Reference Point
-  Site
-  Map ID

Industrial Land Use

-  Coal mine - Trade - Road - Rail -
-  Fuel - Road - Rail -
-  Gas Pipeline
-  Points of interest - Commercial Services
-  Points of interest - Education and Health
-  Points of interest - Manufacturing and Production
-  Points of interest - Public Infrastructure
-  Points of interest - Recreational and Environmental
-  Underground Structural Ducts

Industrial Land Use Map - Slice A



Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Site at 275450, 190530

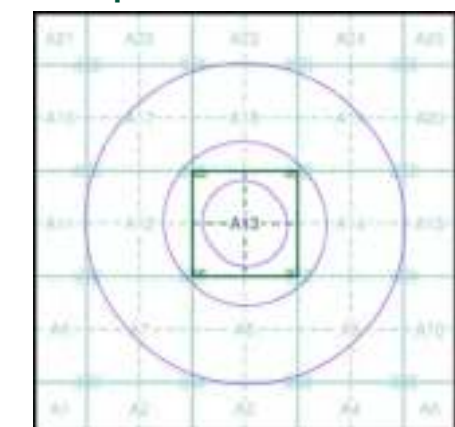
General

- Structure
- Search Buffer
- X Flood Defence Point

Agency and Hydrological (Flood)

- Flooded Floodplain (in Flood or Flood Defence Zone)
- Flooded Floodplain (not in Flood Defence Zone)
- ▨ Area Benefiting from Flood Defence
- Floodable Along Road
- Flood Defence

Flood Map - Slice A

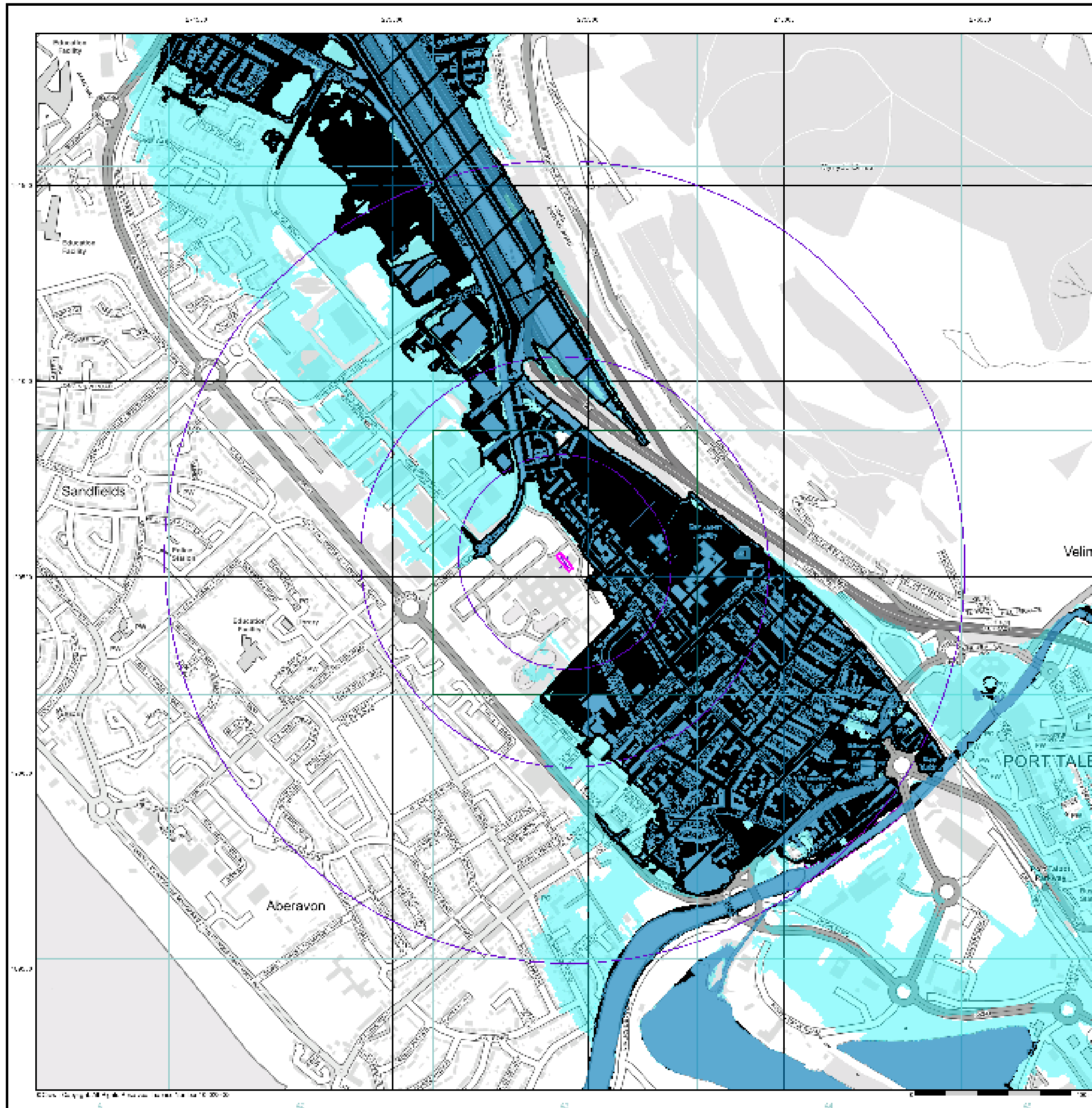


Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Site at 275450, 190530



General

- Study Area
- Search Buffer
- X Borehole Location
- Map ID
- | Search Buffer Limit

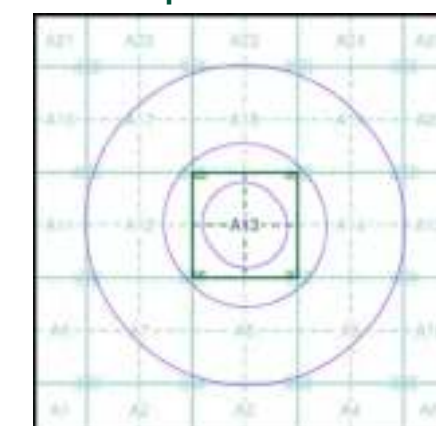
Agency and Hydrological (Boreholes)

- Borehole (Agency)
- Borehole (Hydrological)
- Borehole (Other)
- Confined
- 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: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Site at 275450, 190530

General

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

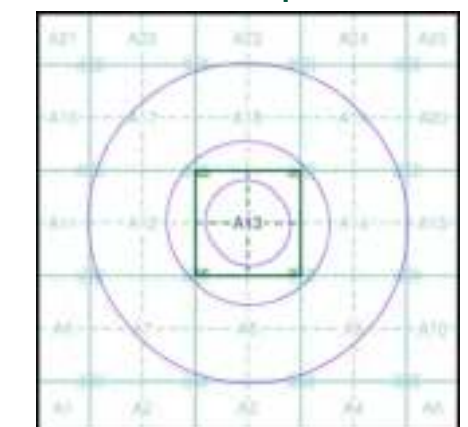
OS Water Network Data

- | | |
|--|--|
| — Canal | — Drain |
| — Reservoir | — Other |
| — Forewater | — Lake |
| — Marsh | — Transfer |
| — Tidal River | - - - Lock Or Flight Off take |
| — Inland River | - - - Sea |

Contours (height in meters)

- Standard Contour — MSL Mean Low Water
- Master Contour — MHW Mean High Water
- Spot Height 197.3

OS Water Network Map - Slice A



Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Site at 275450, 190530

General

- Study Area
- Search Buffer
- Existing Exposure Point

Risk of Flooding from Surface Water

- High - 50 Year Return Period
- Moderate - 100 Year Return Period
- Low - 100 Year Return Period

Suitability

See also suitability map to scale

- All other Exposed
- Quality 1 to 4
- Moderate to High
- Good to Excellent
- Poor

EANRW Suitability Map - Slice A



Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Site at 275450, 190530

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	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
	ALV	Alluvium	Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	BSA	Blown Sand	Sand	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	ALF	Alluvial Fan Deposits	Sand and Gravel	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

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

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



Geology 1:50,000 Maps

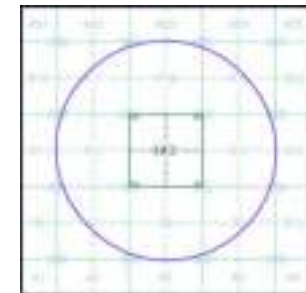
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 247
Map Name: Swansea
Map Date: 2011
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

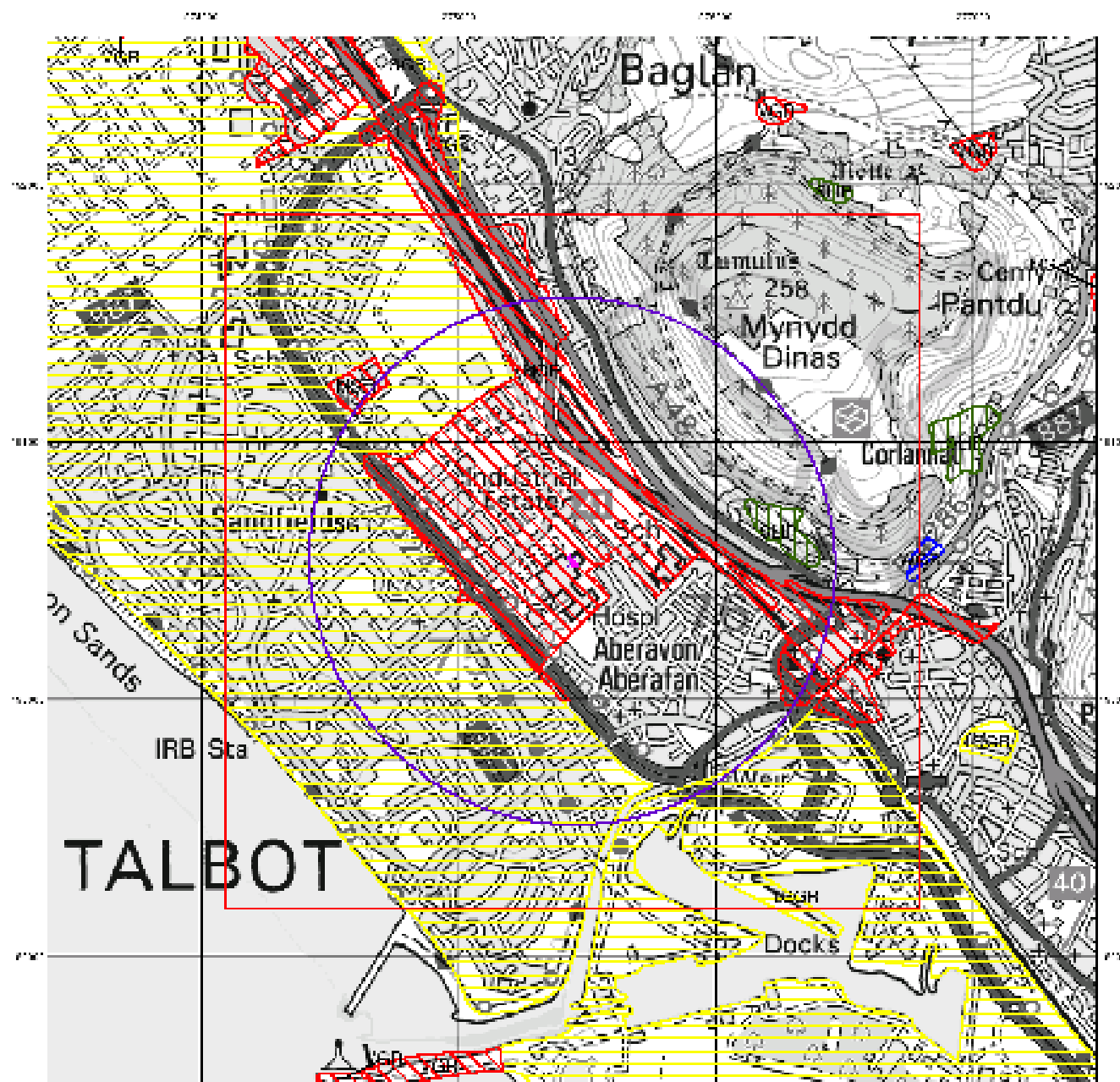
Order Number: 291876629_1_1
Customer Reference: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details:

Site at 275450, 190530



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



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Artificial Ground and Landslip

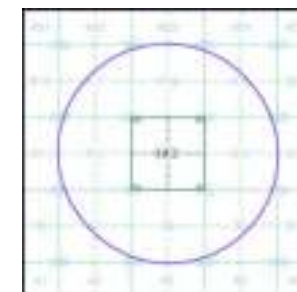
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number:	291876629_1_1
Customer Reference:	17166
National Grid Reference:	275440, 190540
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details:

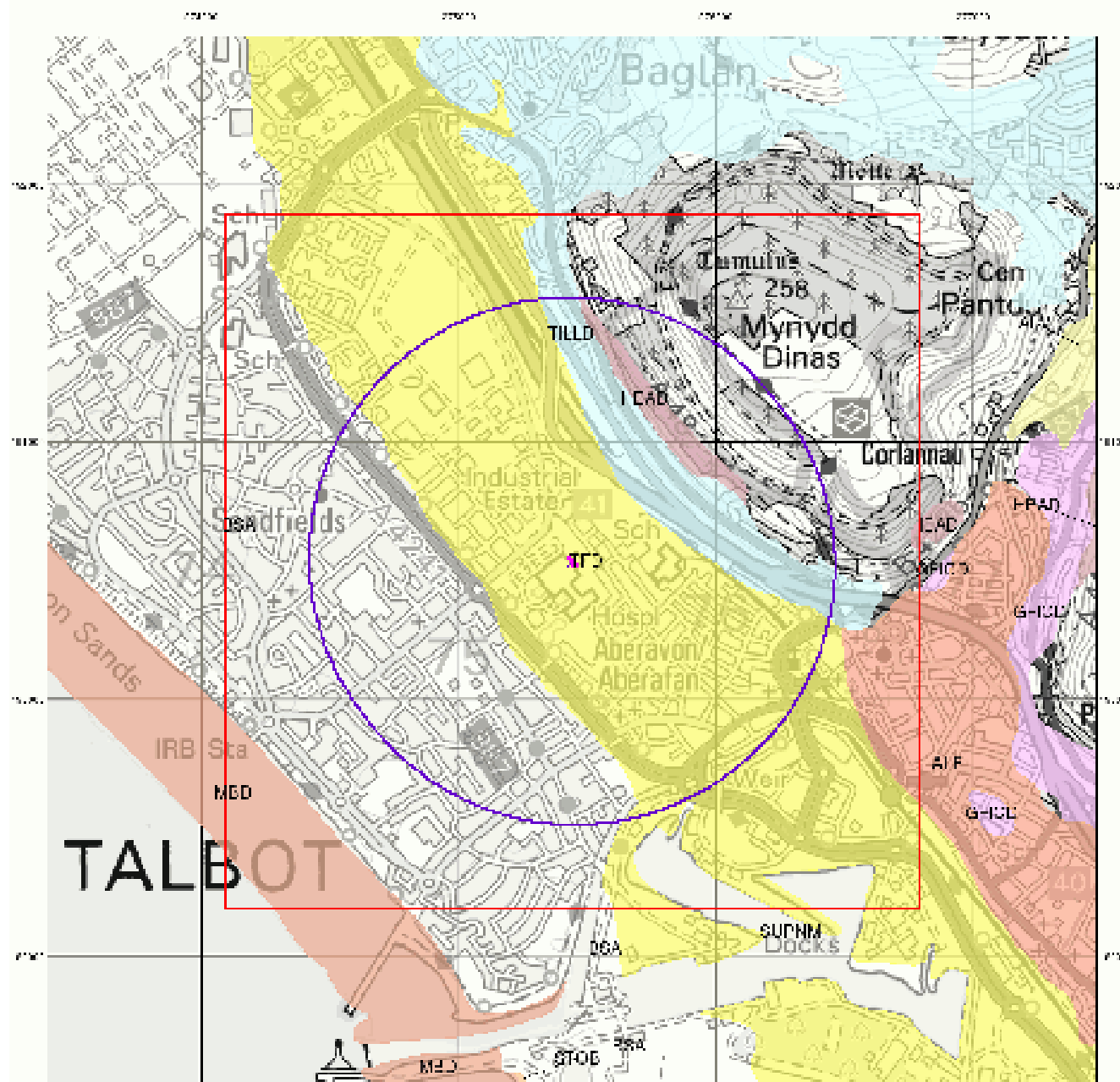
Site at 275450, 190530



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

v15.0 01-Mar-2022

Page 2 of 5



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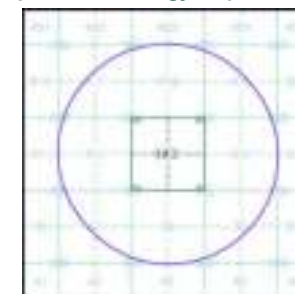
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number: 291876629_1_1
 Customer Reference: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details:

Site at 275450, 190530



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

Ordinance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information

	Grassy		Gravelly		Gravelly
	Clay Pt		Shrubby		Tennis Leap
	Stacking Massacre		Flat Rock		
	Marsh		Reeds		Oxens
	Rough Pasture		Luzes		Wood
	Mixed Wood		Fruitwood		Orchard
	Field		Rice		Stepping Stones
	Empty		Victorials		Rock
	Ing. Station		Abundance of Ing. Station		
	Ranch Mark		Surface road		
	Arrow showing flow of water		Antiquities (all of)		
	Culling		Endowment		
	Gateway crossing Road		Level Crossing		Underpassing Bridge
	Gateway crossing over a Canal		Road over single stream		Road over River or Canal
-----	County Boundary (Geographical)				
- - - - -	County & Civil Parish Boundary				
+ + + + +	Administrative County & Civil Parish Boundary				
o o o o o	County Borough Boundary (England)				
o o o o o	County Borough Boundary (Scotland)				
A.P. B.P.	Boundary Point Stone	B.P.	Police Call Box		
B.W.	Black Road	R.	Railway		
S.P.	Electricity Pole	S.P.	Signal Post		
F.B.	Foot Bridge	S.	Stream		
F.P.	Foot Path	S.S.	Spring		
G.P.	Gate Post or Gate	S.S.S.	Telephone Call Box		
M.S.	Mill Stone	T.	Trench		
M.F.S.S.	Manorial Pasture Plot	W.	Well		

[illegible][illegible]

Mapping Type	Scale	Date	Product
Glamorganshire	1:2,500	1876	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1917 - 1918	4
Glamorganshire	1:2,500	1936 - 1939	5
Ordnance Survey Plan	1:1,250	1952 - 1971	6
Ordnance Survey Plan	1:2,500	1958	7
Ordnance Survey Plan	1:1,250	1963 - 1964	8
Ordnance Survey Plan	1:1,250	1967	9
Ordnance Survey Plan	1:1,250	1972	10
Additional SIMs	1:1,250	1978 - 1989	11
Additional SIMs	1:1,250	1987 - 1991	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	1995	15
Large-Scale National Grid Data	1:1,250	1996	16
Historical Aerial Photography	1:2,500	2000	17

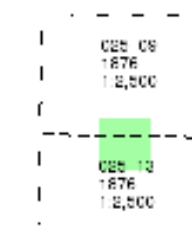
Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site at 275450, 190530

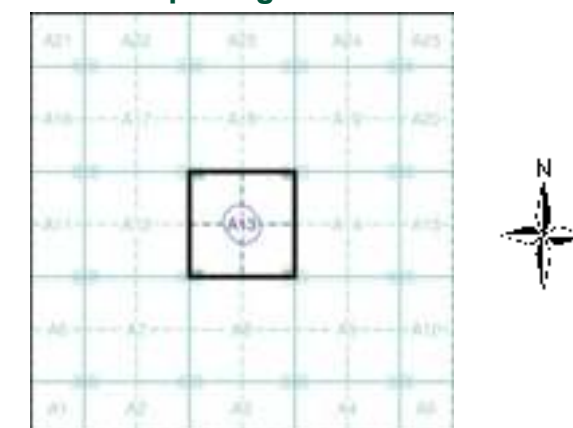


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

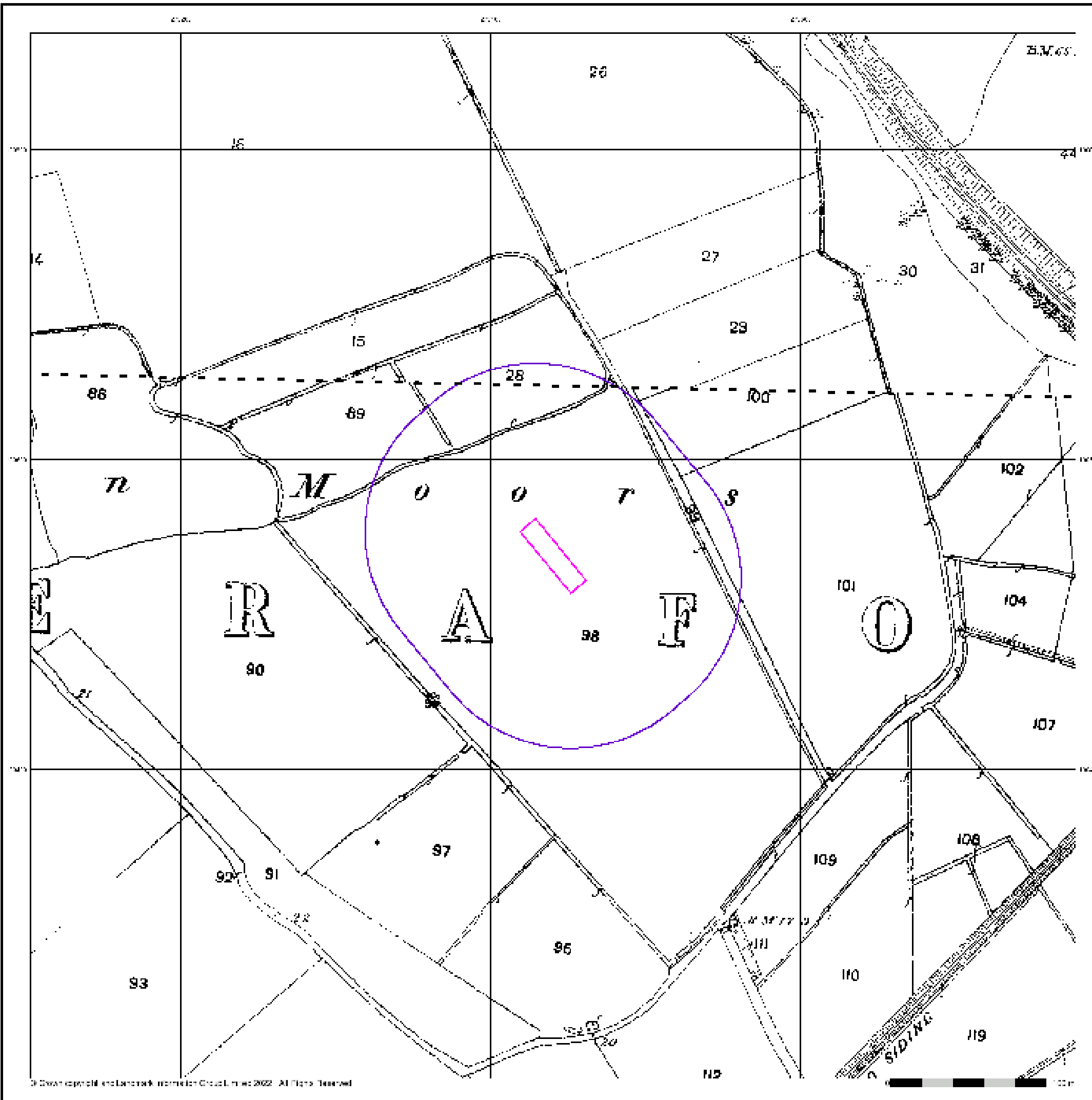


Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 100

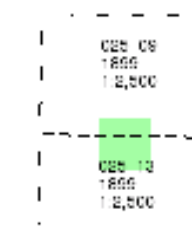
Site Details

Site at 275450, 190530

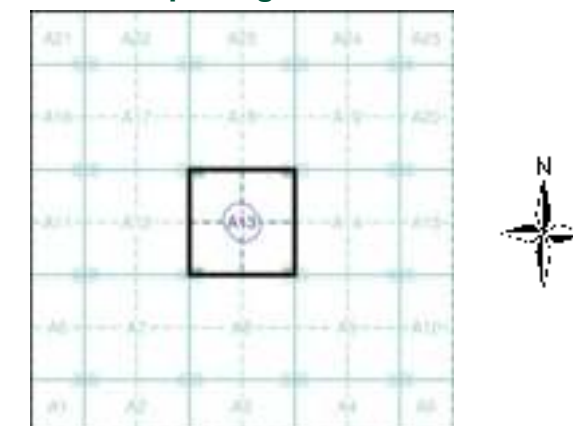


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

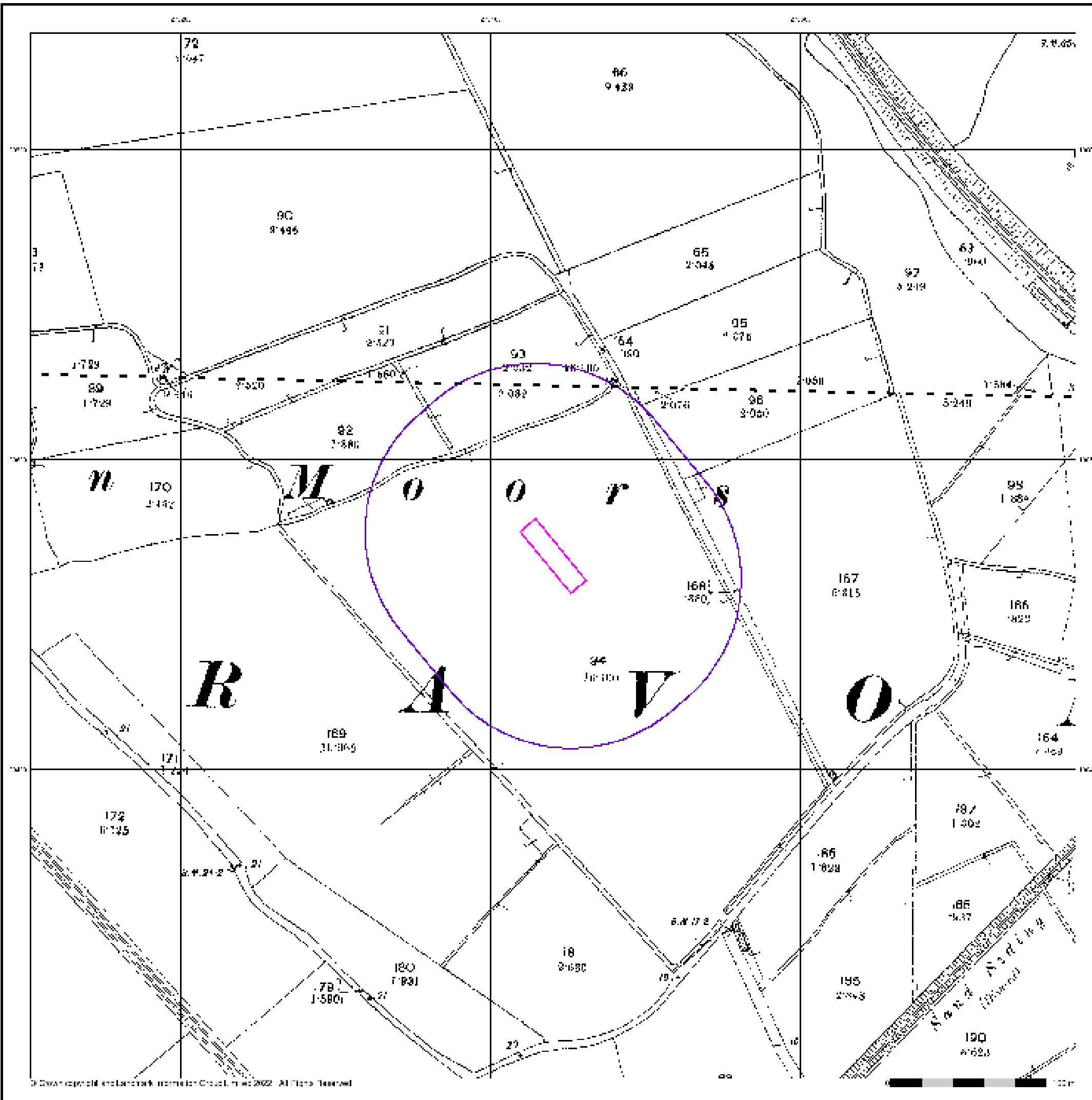


Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 100

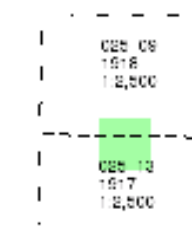
Site Details

Site at 275450, 190530

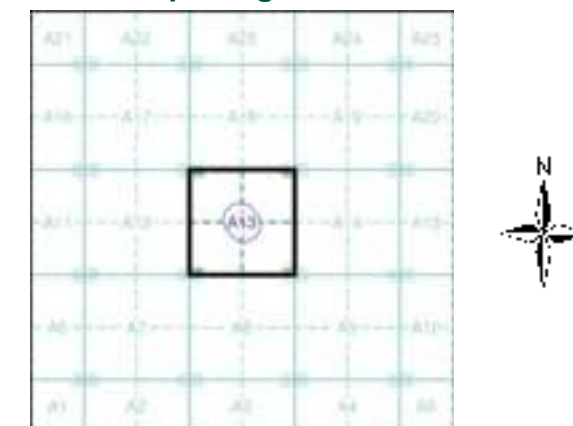


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

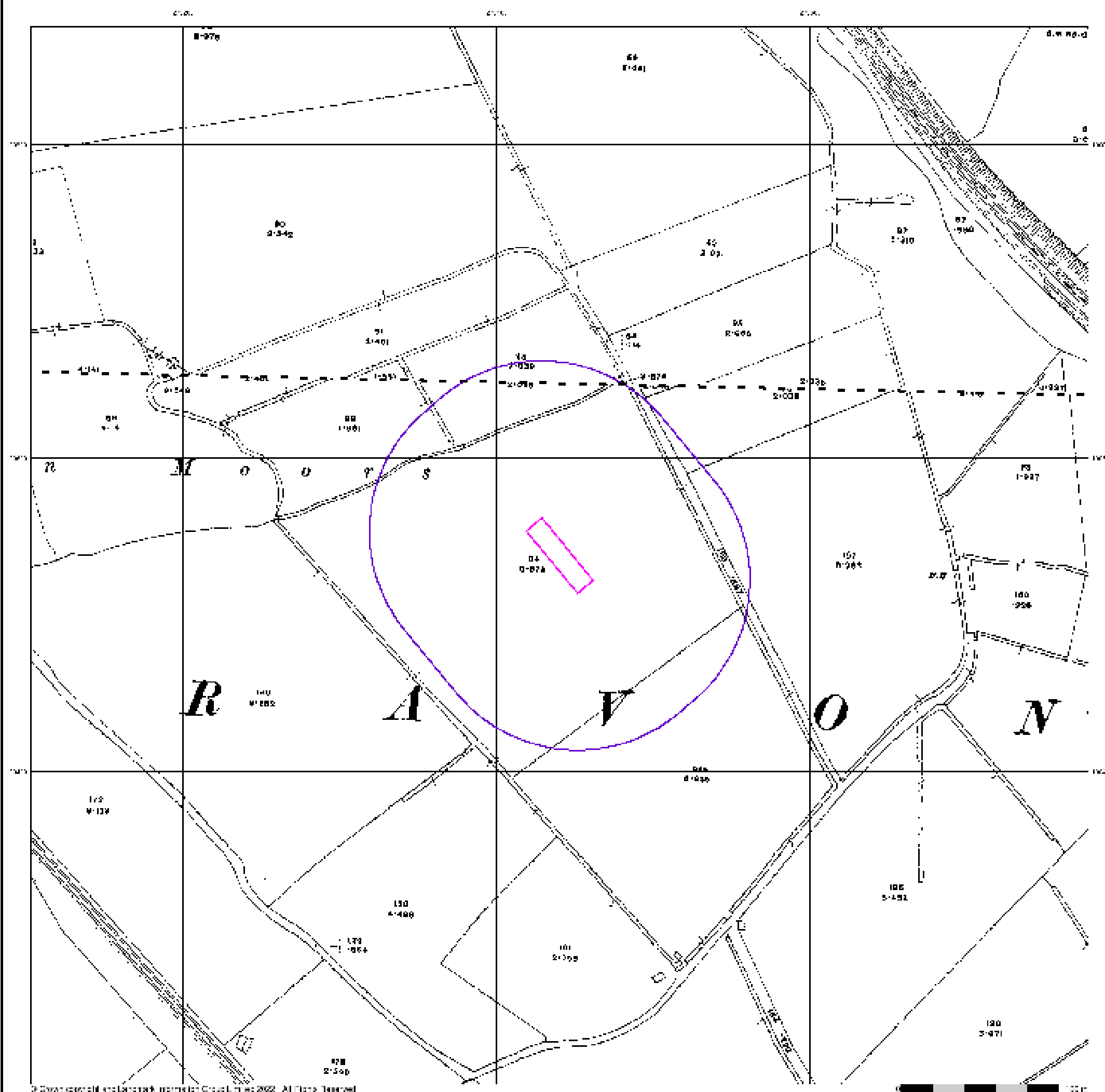


Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 100

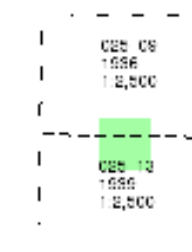
Site Details

Site at 275450, 190530

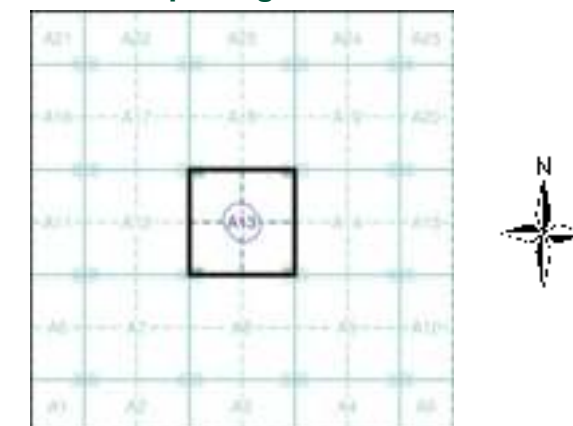


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

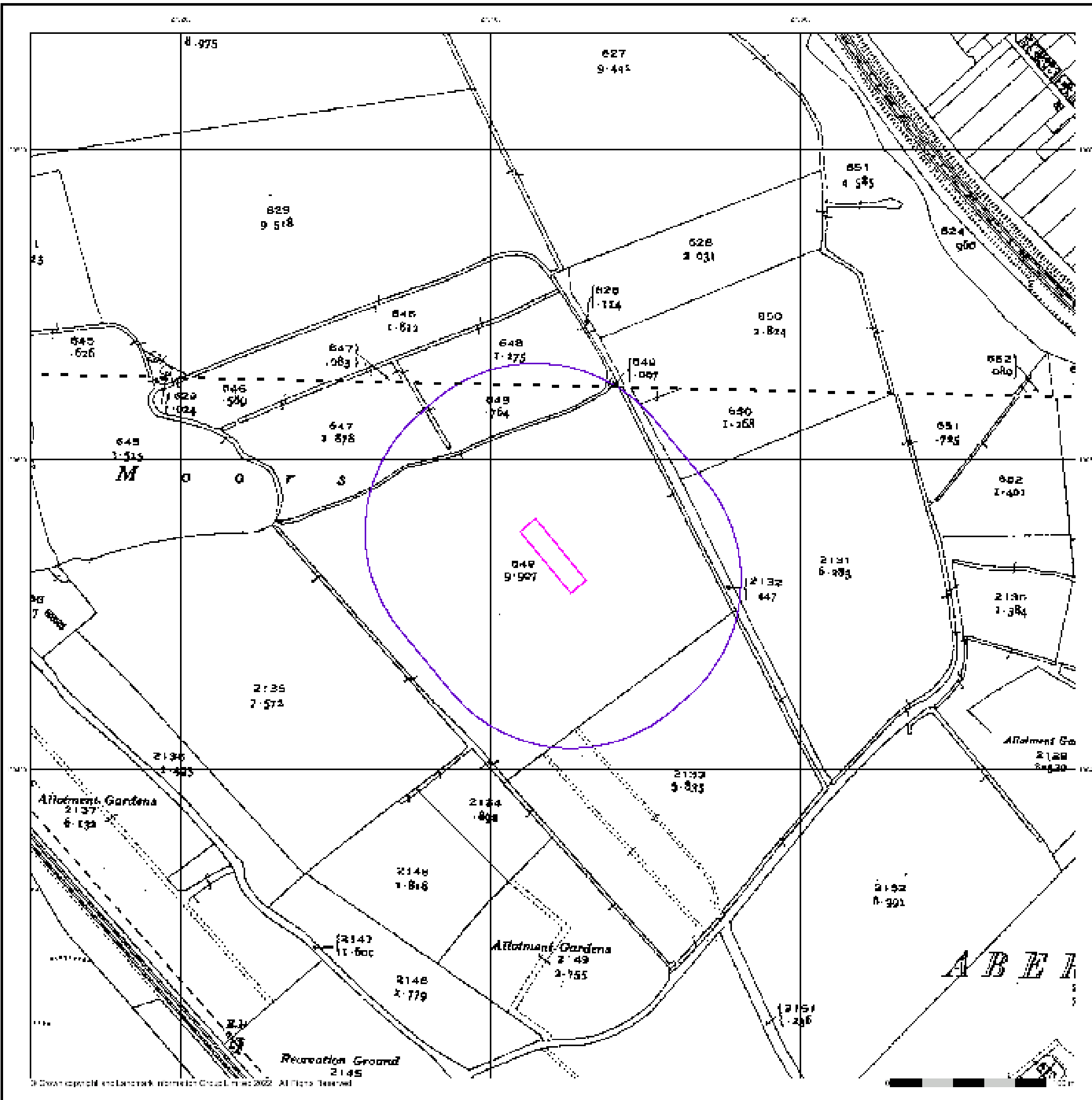


Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530



Ordnance Survey Plan

Published 1952 - 1971

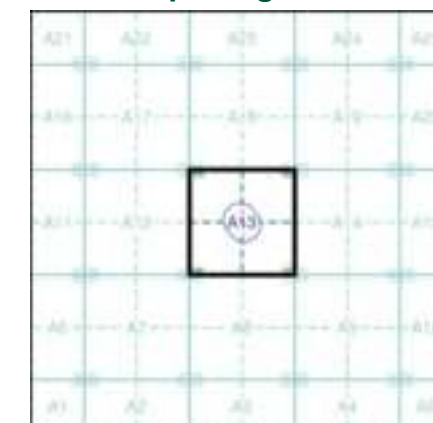
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

857500NW 1971 1:1,250	857500NE 1988 1:1,250
857500SW 1952 1:1,250	857500SE 1952 1:1,250

Historical Map - Segment A13

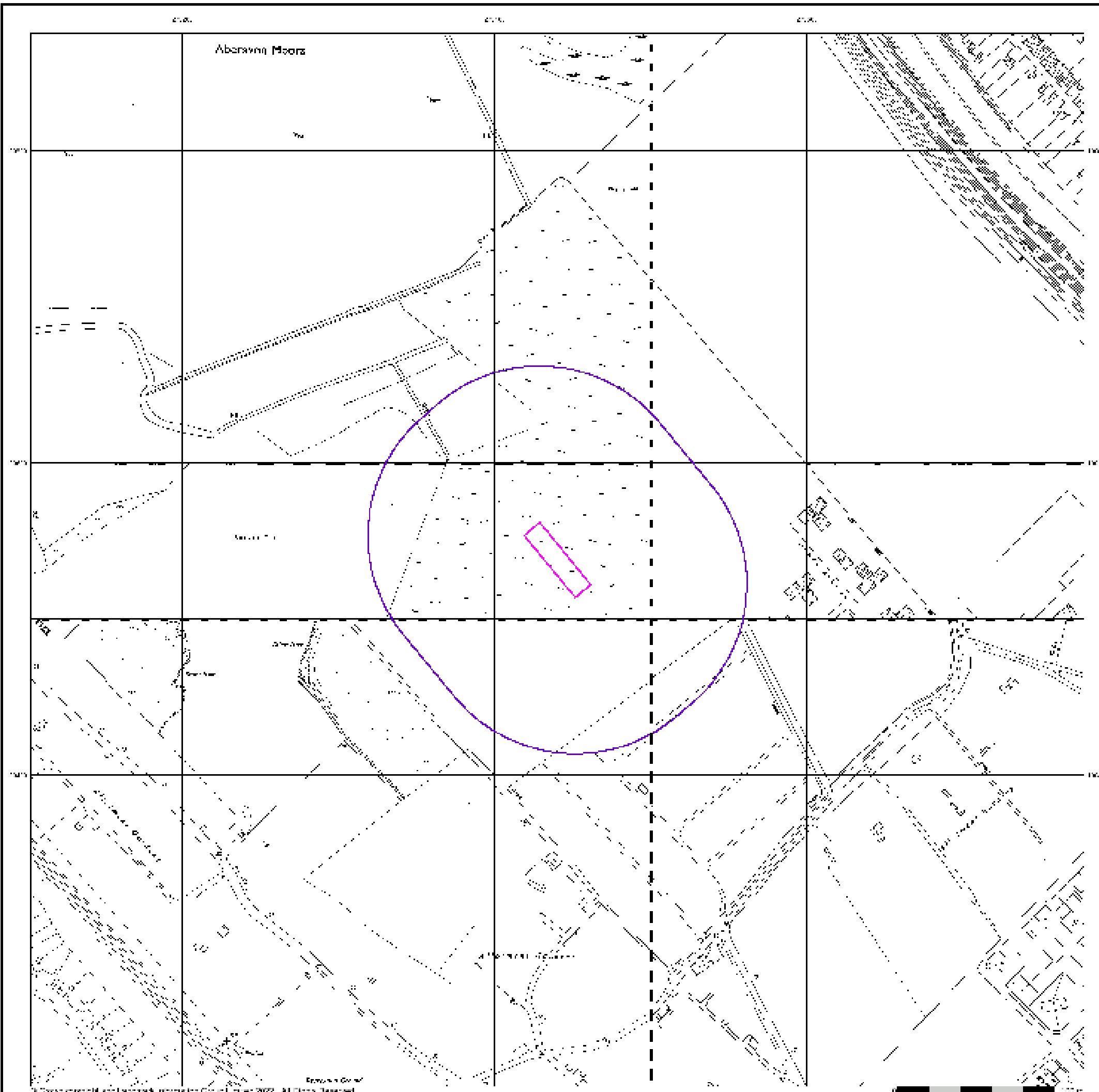


Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 100

Site Details

Site at 275450, 190530



Ordnance Survey Plan

Published 1958

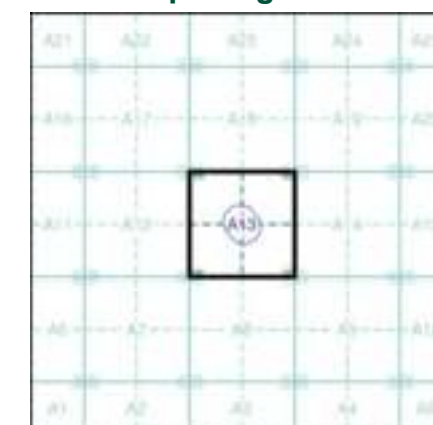
Source map scale - 1:2,500

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)

857530
1958
1:2,500

Historical Map - Segment A13

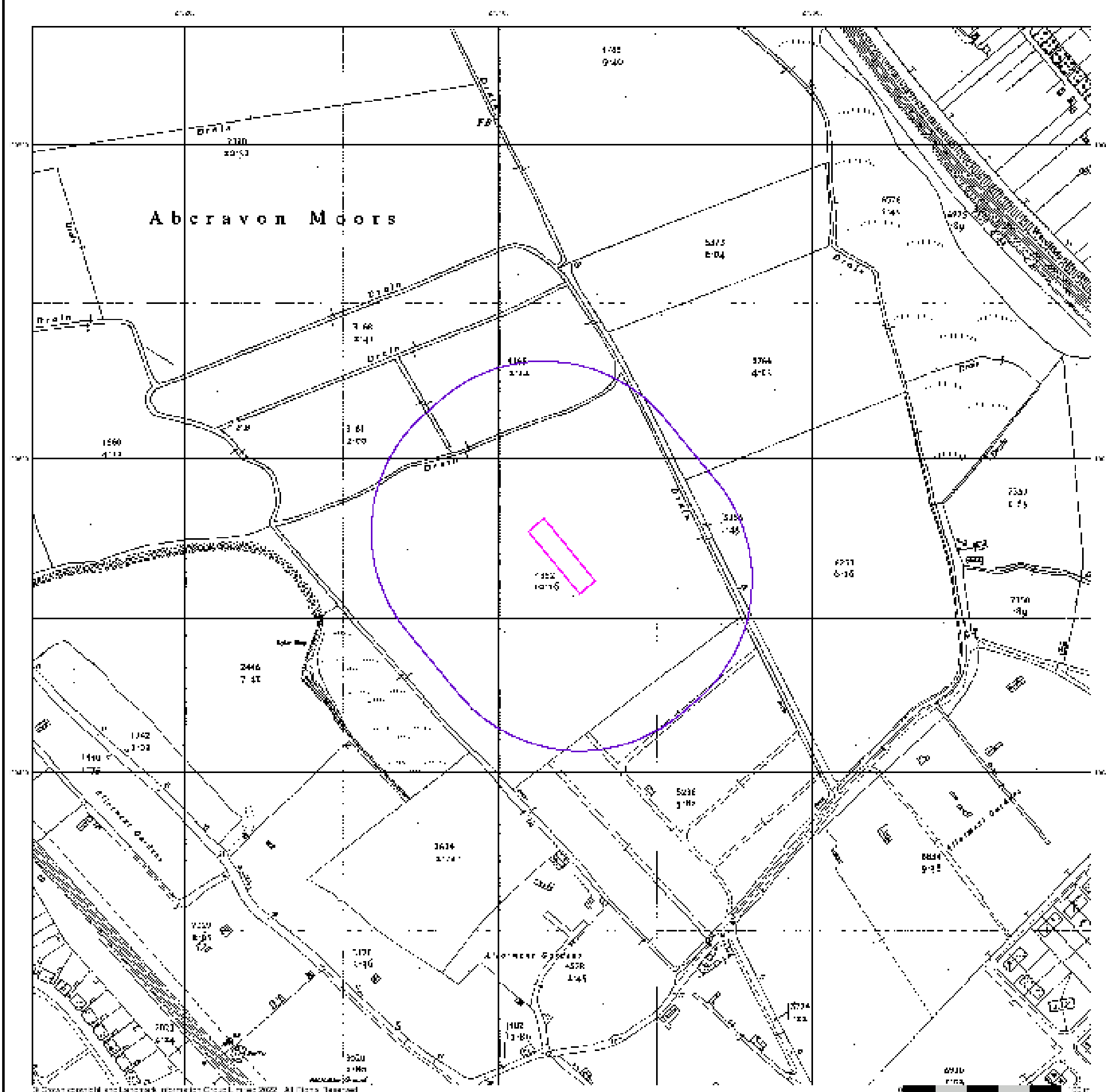


Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530





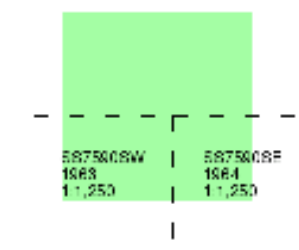
Ordinance Survey Plan

Published 1963 - 1964

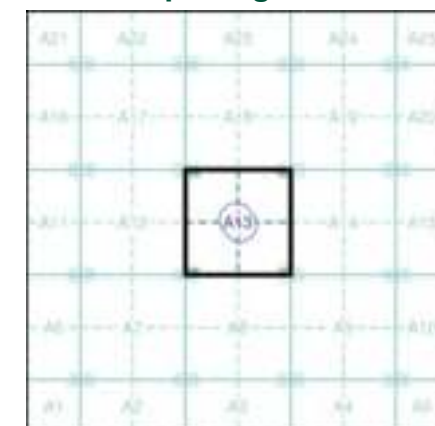
Source map scale - 1:1,250

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: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530



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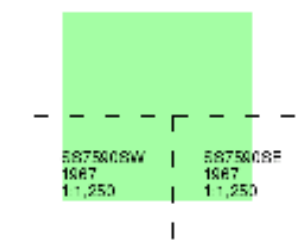
Ordnance Survey Plan

Published 1967

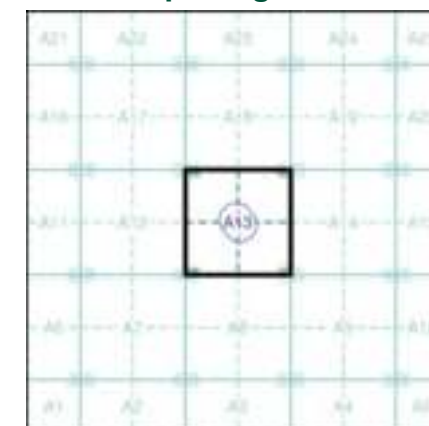
Source map scale - 1:1,250

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: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530



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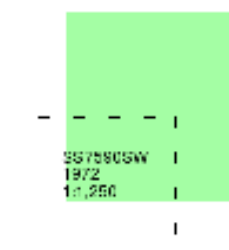
Ordinance Survey Plan

Published 1972

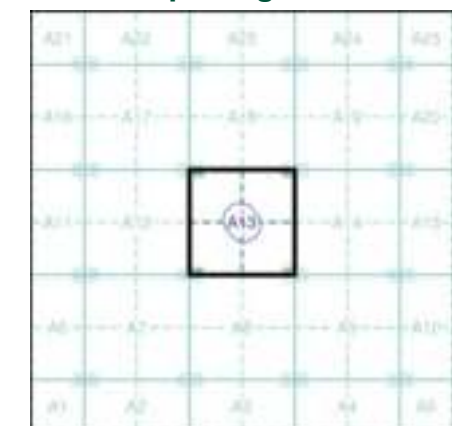
Source map scale - 1:1,250

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



Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530



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Additional SIMs

Published 1978 - 1989

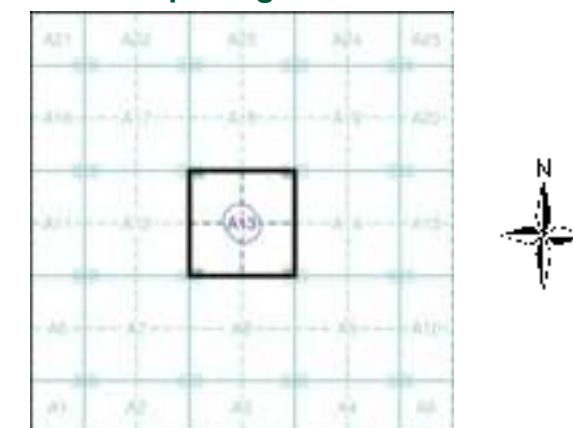
Source map scale - 1:1,250

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)

857500NW 1985 1:1,250	857500NE 1985 1:1,250
857500SW 1978 1:1,250	857500SE 1989 1:1,250

Historical Map - Segment A13

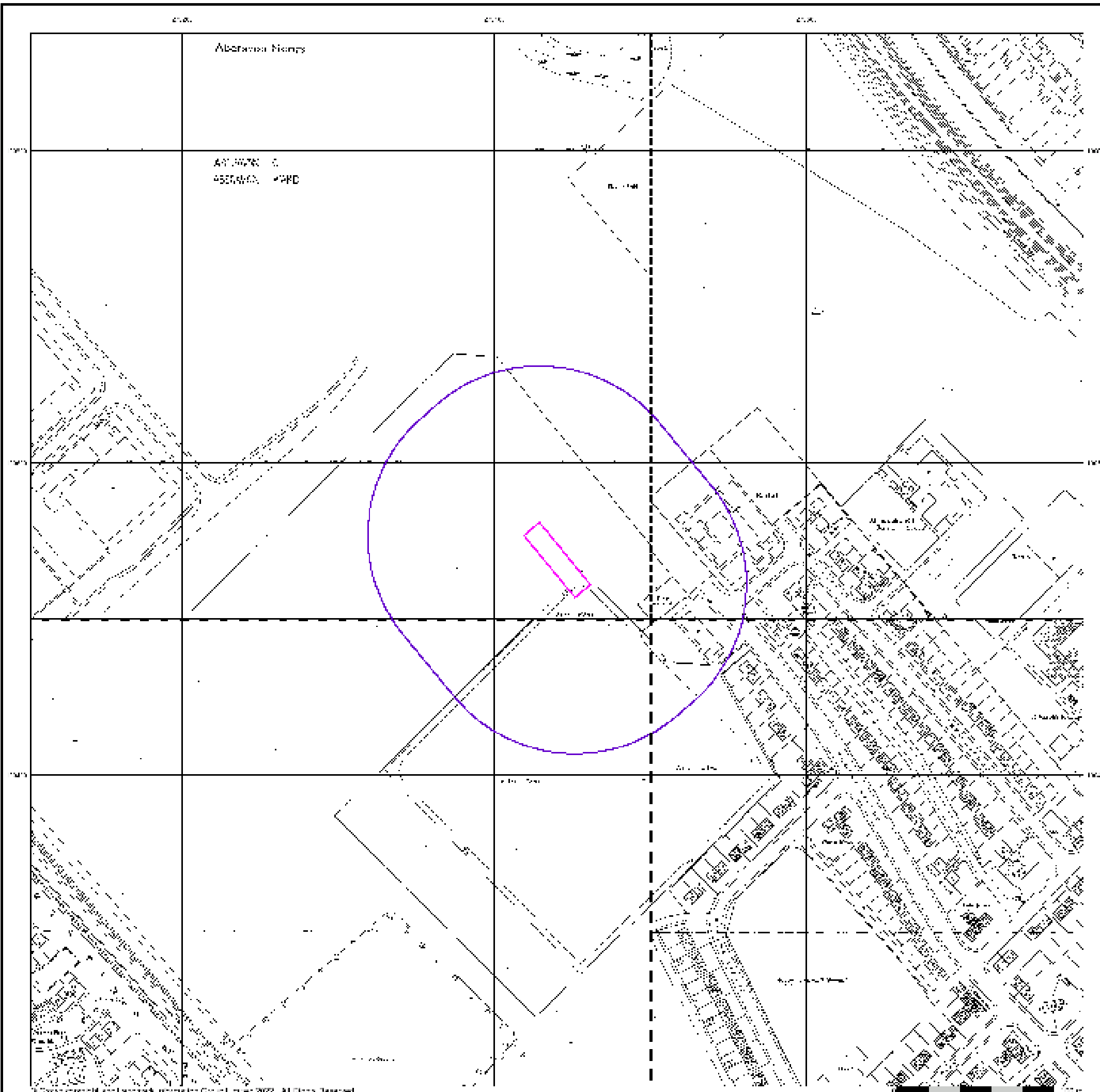


Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 100

Site Details

Site at 275450, 190530



Additional SIMs

Published 1987 - 1991

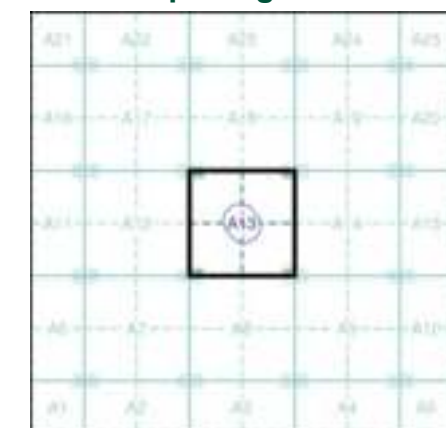
Source map scale - 1:1,250

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)

887500NW 1988 1:1,250	887500NE 1987 1:1,250
887500SW 1991 1:1,250	887500SE 1991 1:1,250

Historical Map - Segment A13

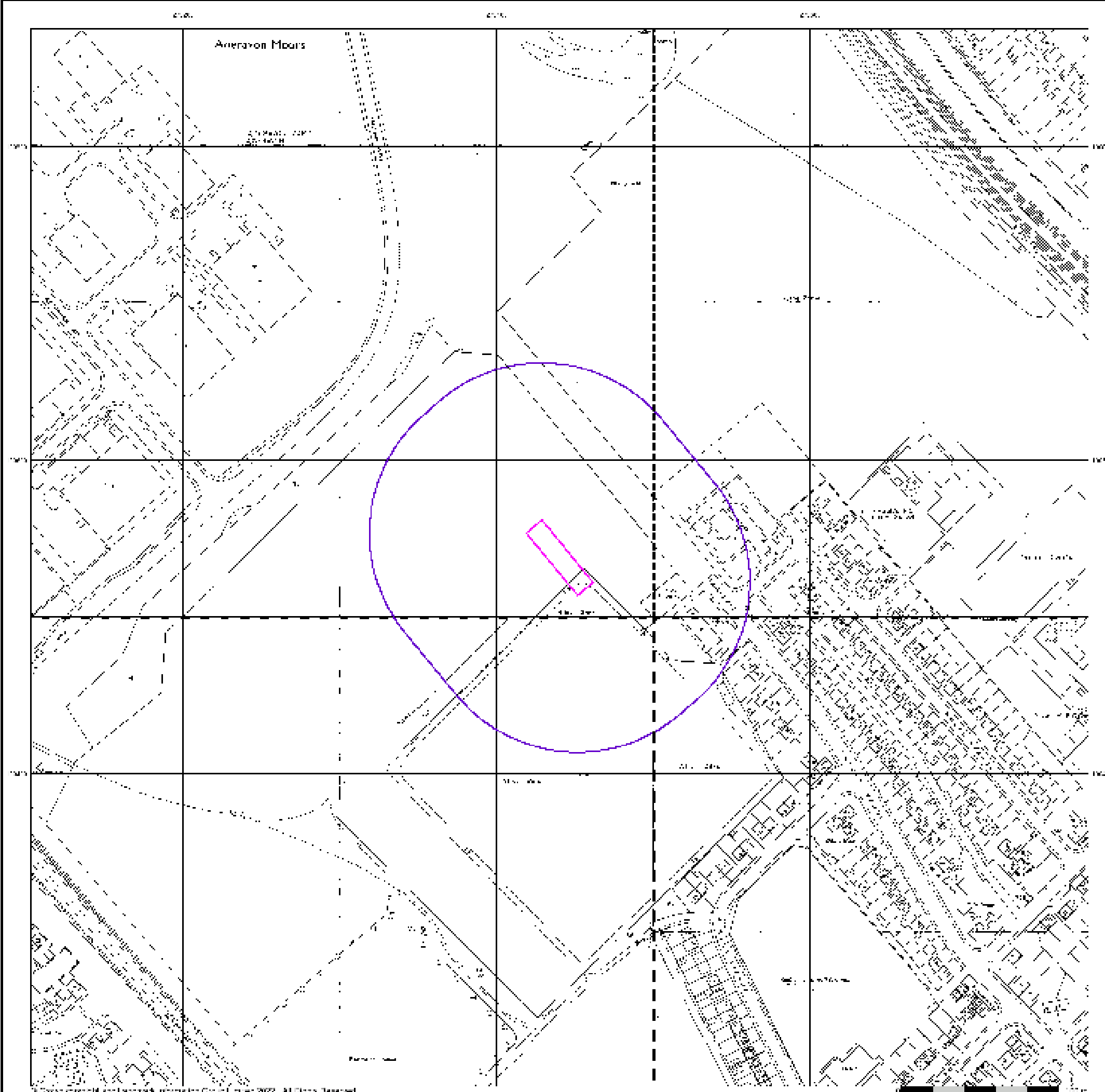


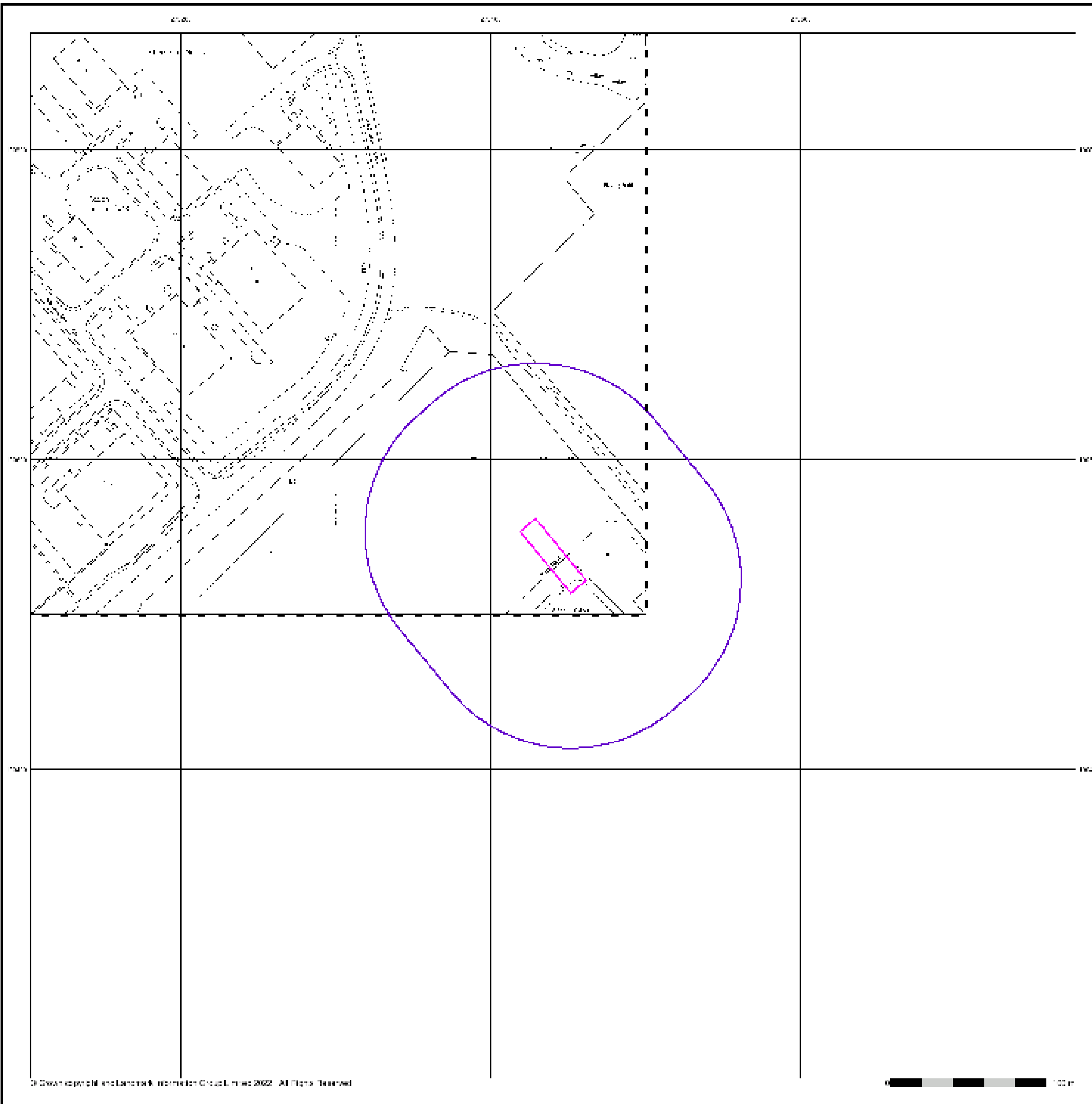
Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 100

Site Details

Site at 275450, 190530





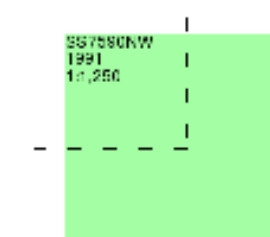
Additional SIMs

Published 1991

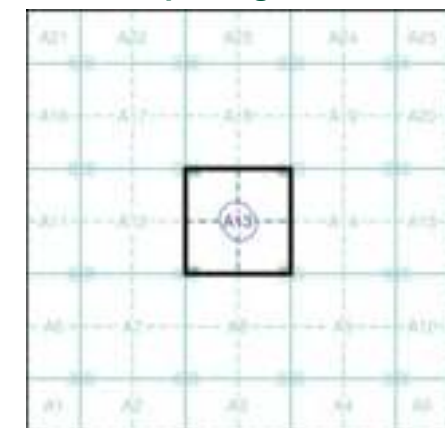
Source map scale - 1:1,250

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

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530



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Large-Scale National Grid Data

Published 1993

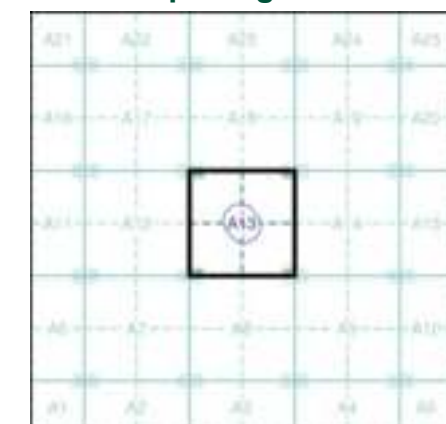
Source map scale - 1:1,250

'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)

887500NW	887500NE
1993	1993
1:1,250	1:1,250
887500SW	887500SE
1993	1993
1:1,250	1:1,250

Historical Map - Segment A13

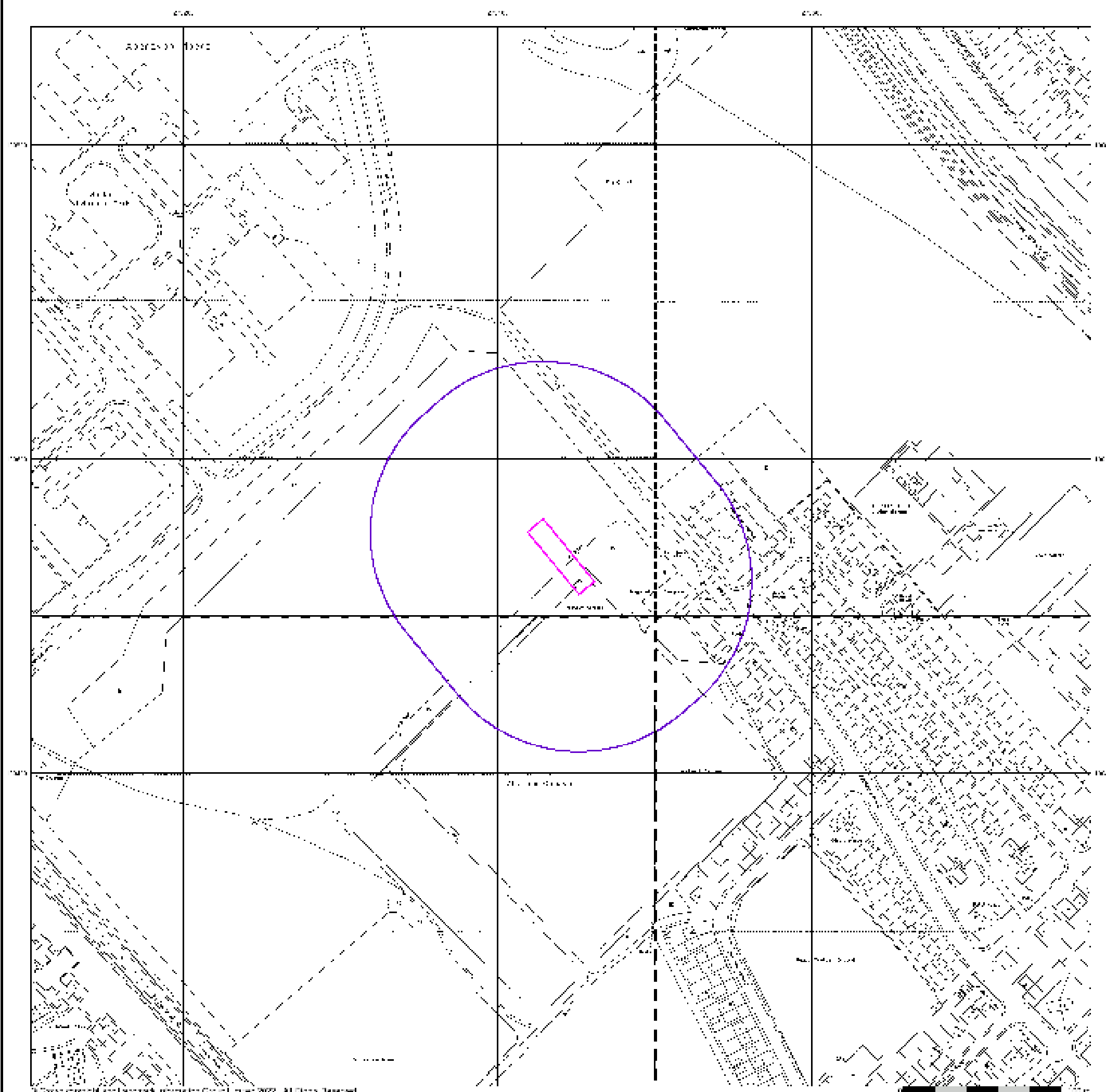


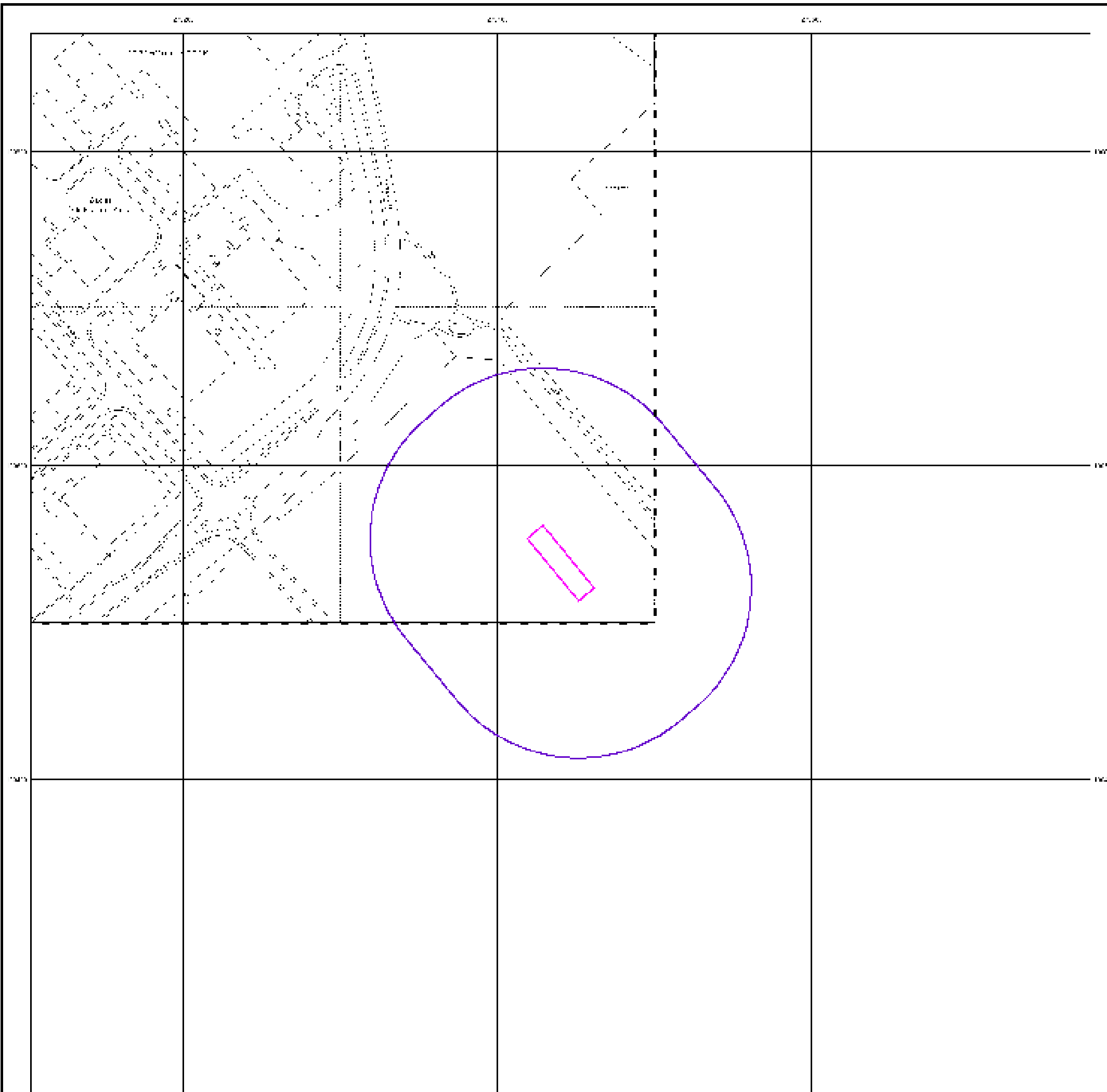
Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 100

Site Details

Site at 275450, 190530





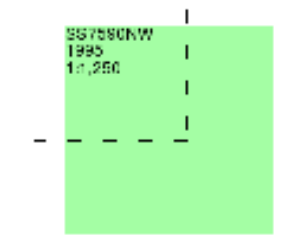
Large-Scale National Grid Data

Published 1995

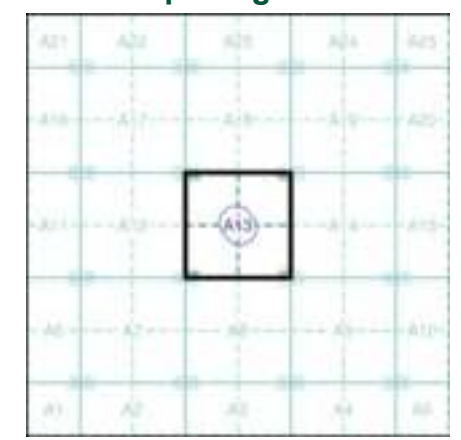
Source map scale - 1:1,250

'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

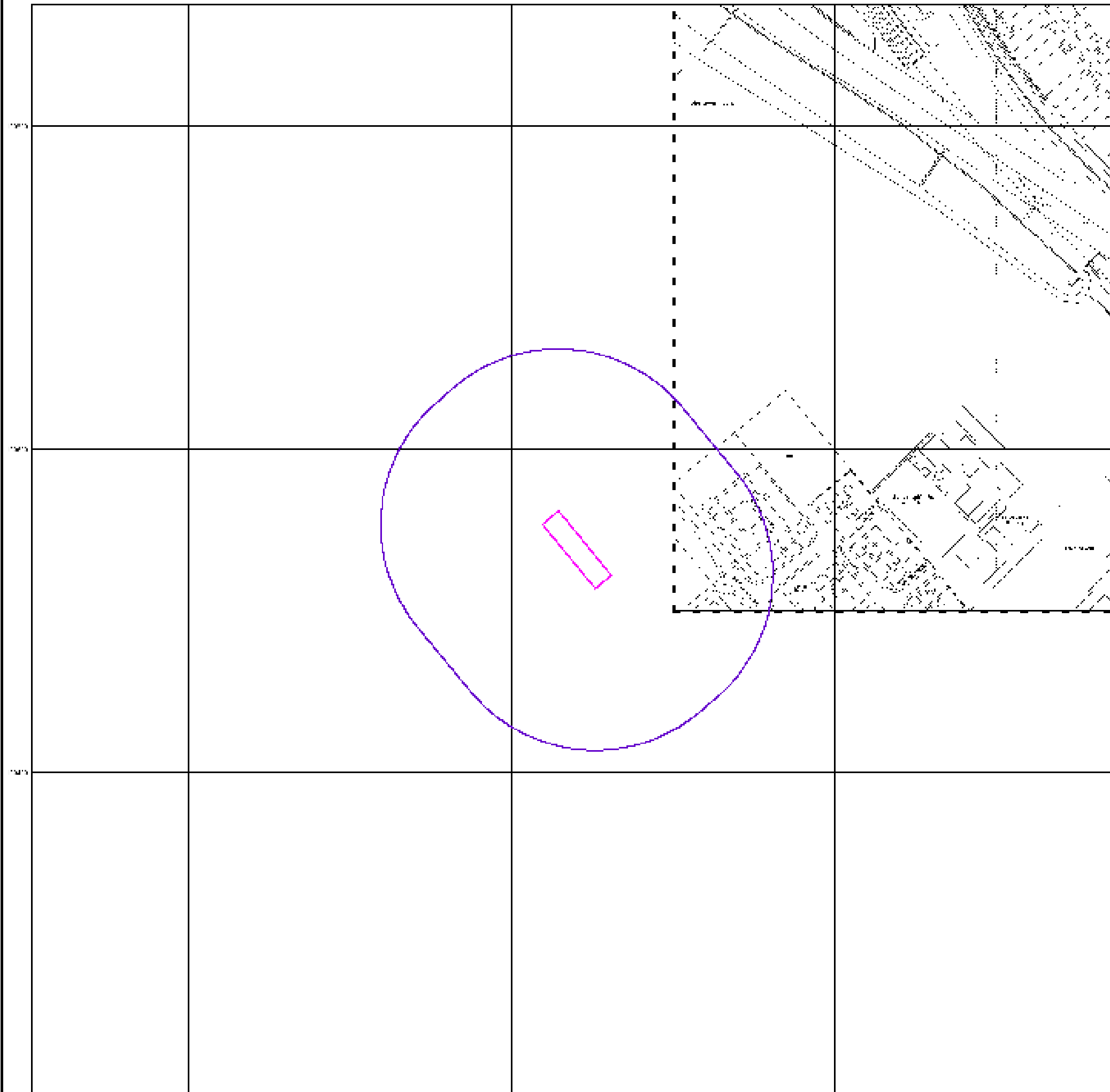
Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530



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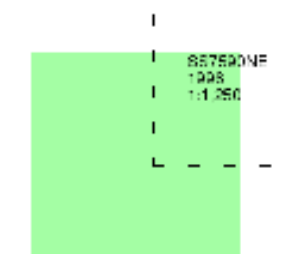
Large-Scale National Grid Data

Published 1996

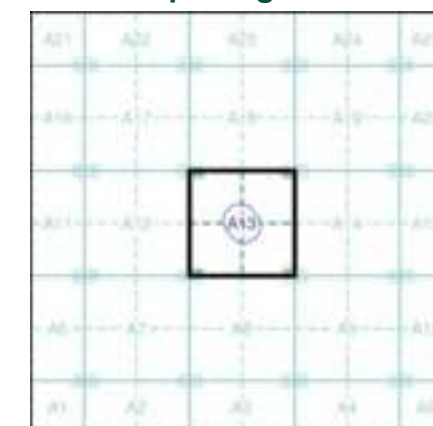
Source map scale - 1:1,250

'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

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530



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



© Copyright Getmapping plc

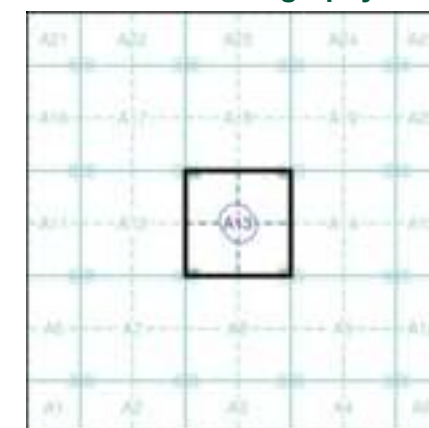


Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Site at 275450, 190530



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Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pt		Sand Pt		Other Pts
	Clammy		Shingle		Orchard
	Culvert		Roads		Marsh
	Mixed Woods		Deciduous		Coniferous
	Fence		Rough Pasture		
	Arrow denotes flow of water		Instrumental Station		
	Site of Antiquity		Bench Mark		
	Pump, Quilt, Tree, Signal Post		Well, Spring, Boundary Post		
	285		Surface Level		
	Scaleless Contour		Instrumental Contour		
	Main Road		Fence		Minor Roads
	Bridges over River		Railway Road		
	Road over Railway		Railway over River		
	Bridges over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Borough Boundary (Scotland)				
	Local District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pt. Clay Pt. or Quartz		Gravel Pt
	Sand Pt		Jagged Pt or Quartz
	Refuse or Slag Heap		Lakes, Loch or Pond
	Dune		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Rough Grassland
	Hedge		Roads
	Sailings		
	Building		Electricity Transmission Line
	Glasshouse		
	Sailing Masonry		
	Cutting		Standard Gauge Multiple Track
	Road Bridge		Standard Gauge Single Track
	Level Crossing		Siding, Turntable or Mineral Line
	Foot Bridge		Narrow Gauge
	Geographical County		
	Administrative County, County Borough or County of City		
	Civil Parish Boundary		
	County Borough Boundary (England)		
	County Borough Boundary (Scotland)		
	Local District Boundary		
	Civil Parish Boundary		
	Boundary Point on Stone		Public Building
	Church		Public House
	Clock Tower		Signal Post
	Fire Engine Station		Spring
	Fuel Pit		Telephone Call Box
	Fountain		Telephone Call Point
	Gates Post		Well
	Mill Race		
	Mill Stone		

1:10,000 Raster Mapping

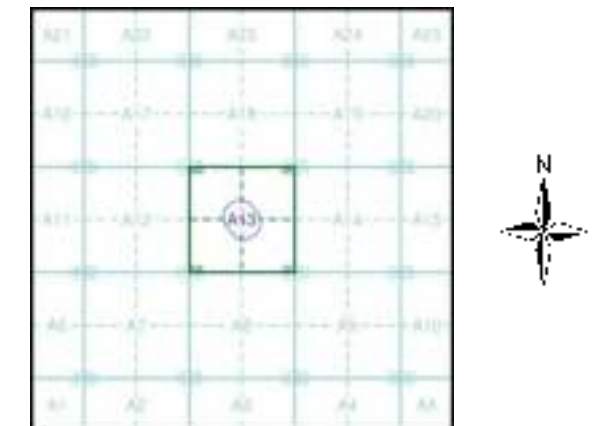
	Gravel Pt		Refuse tip or slag heap
	Rock		Rock outcrop
	Boulders		Judders (scattered)
	Shingle		Mud
	Sand		Sand Pt
	Grassland		Top of Cliff
	General Contour		Background Contour
	Overhead Contour		Narrow gauge railway
	Multiple track railway		Single track railway
	County boundary (England and Wales)		Civil Parish or community boundary
	District, Thirley, Metropolitan, London Borough boundary		Constituency boundary
	Area of woodland vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Pasture tree
	Orchard		Crop or Cultivation
	Rough Grassland		Marsh
	Grass		Marsh, Salt Marsh or Heeds
	Water Feature		Flow Lines
	Mean High Water (Spring)		Mean Low Water (Spring)
	Telephone Line (where shown)		Electricity transmission or line (where shown)
	Benchmark (where shown)		Triangulation station
	Point feature (e.g. Quilt Post or Mile Stone)		Pylon, Mast, Stack or Lighting tower
	Site of Antiquity		Glasshouse
	General Building		Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	2
Glamorganshire	1:10,560	1900	3
Glamorganshire	1:10,560	1921	4
Glamorganshire	1:10,560	1921	5
Historical Aerial Photography	1:10,560	1949	6
Glamorganshire	1:10,560	1951 - 1952	7
Ordnance Survey Plan	1:10,000	1964 - 1965	8
Ordnance Survey Plan	1:10,000	1974	9
Ordnance Survey Plan	1:10,000	1980 - 1982	10
Ordnance Survey Plan	1:10,000	1993 - 1996	11
10K Raster Mapping	1:10,000	1999	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2021	14

Historical Map - Slice A



Order Details

Order Number:	291876629_1_1
Customer Ref:	17166
National Grid Reference:	275440, 190540
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details

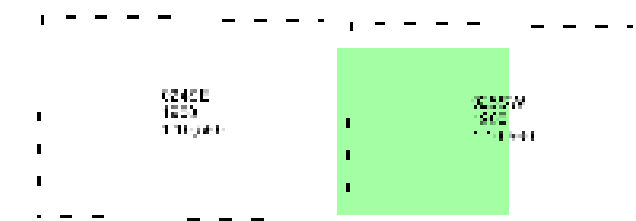
Site at 275450, 190530



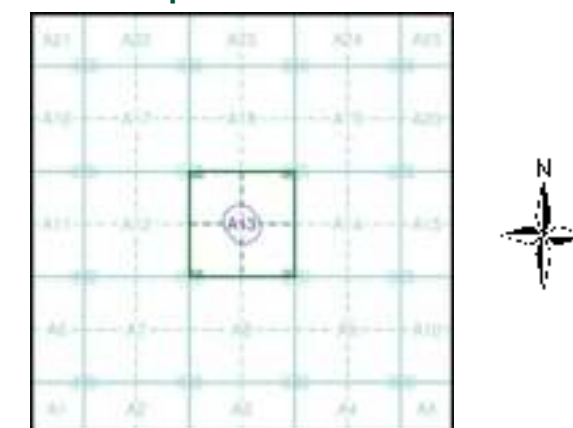
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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

Map Name(s) and Date(s)



Historical Map - Slice A

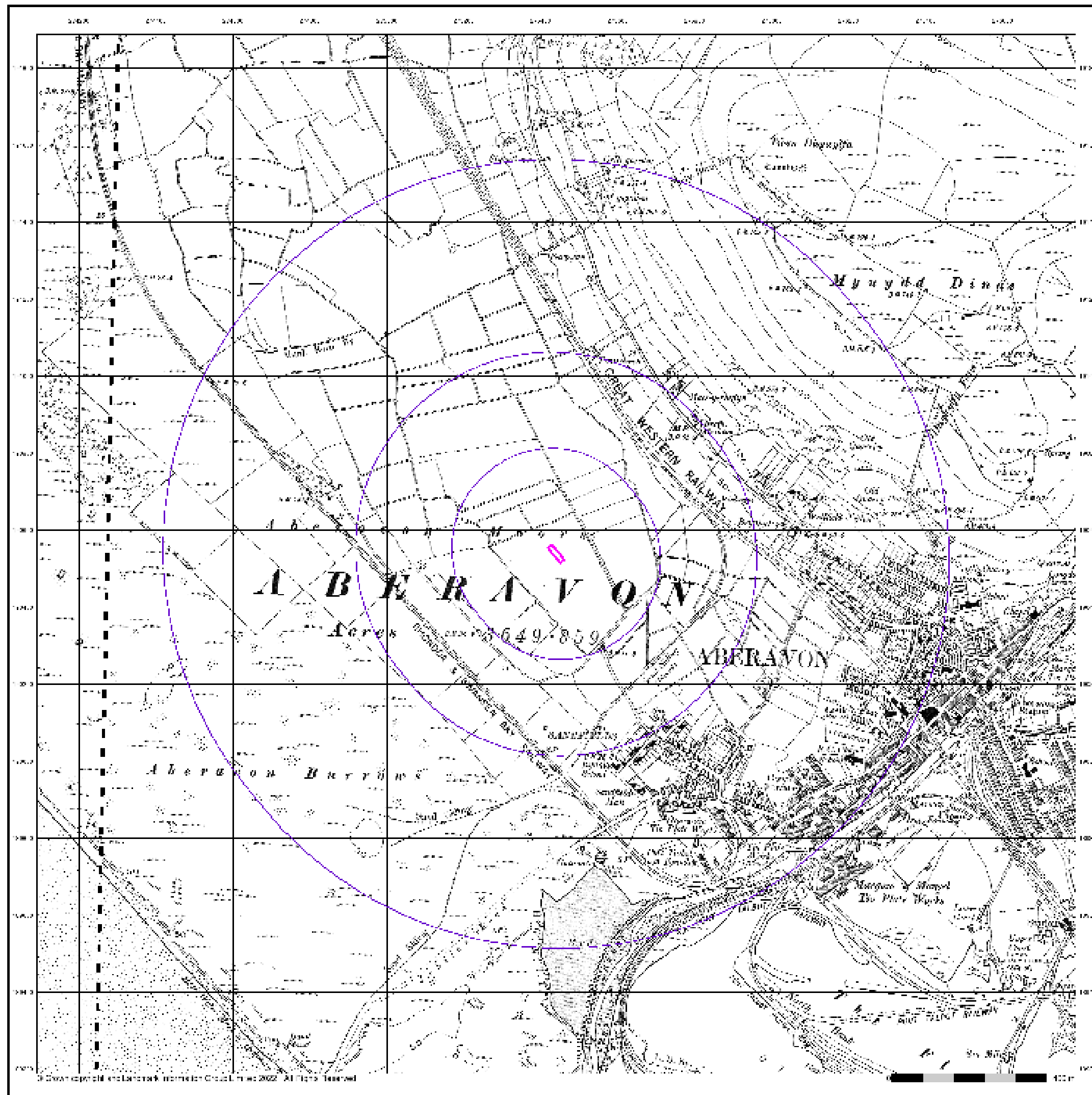


Order Details

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 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

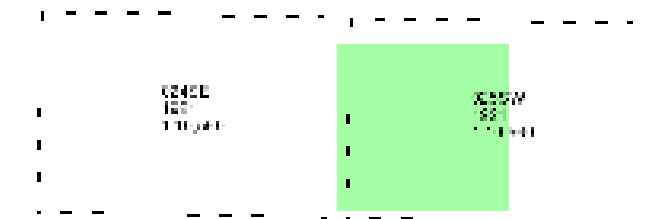
Site Details

Site at 275450, 190530

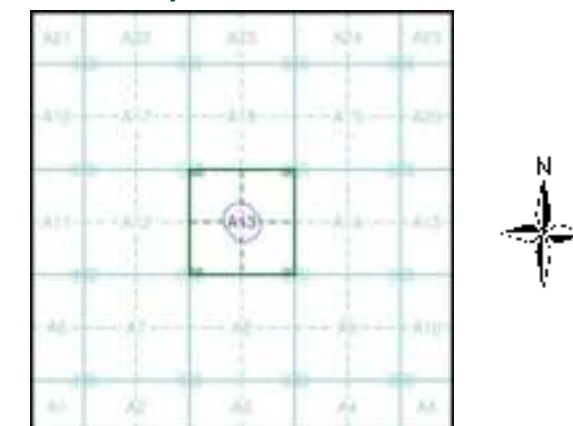


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)



Historical Map - Slice A

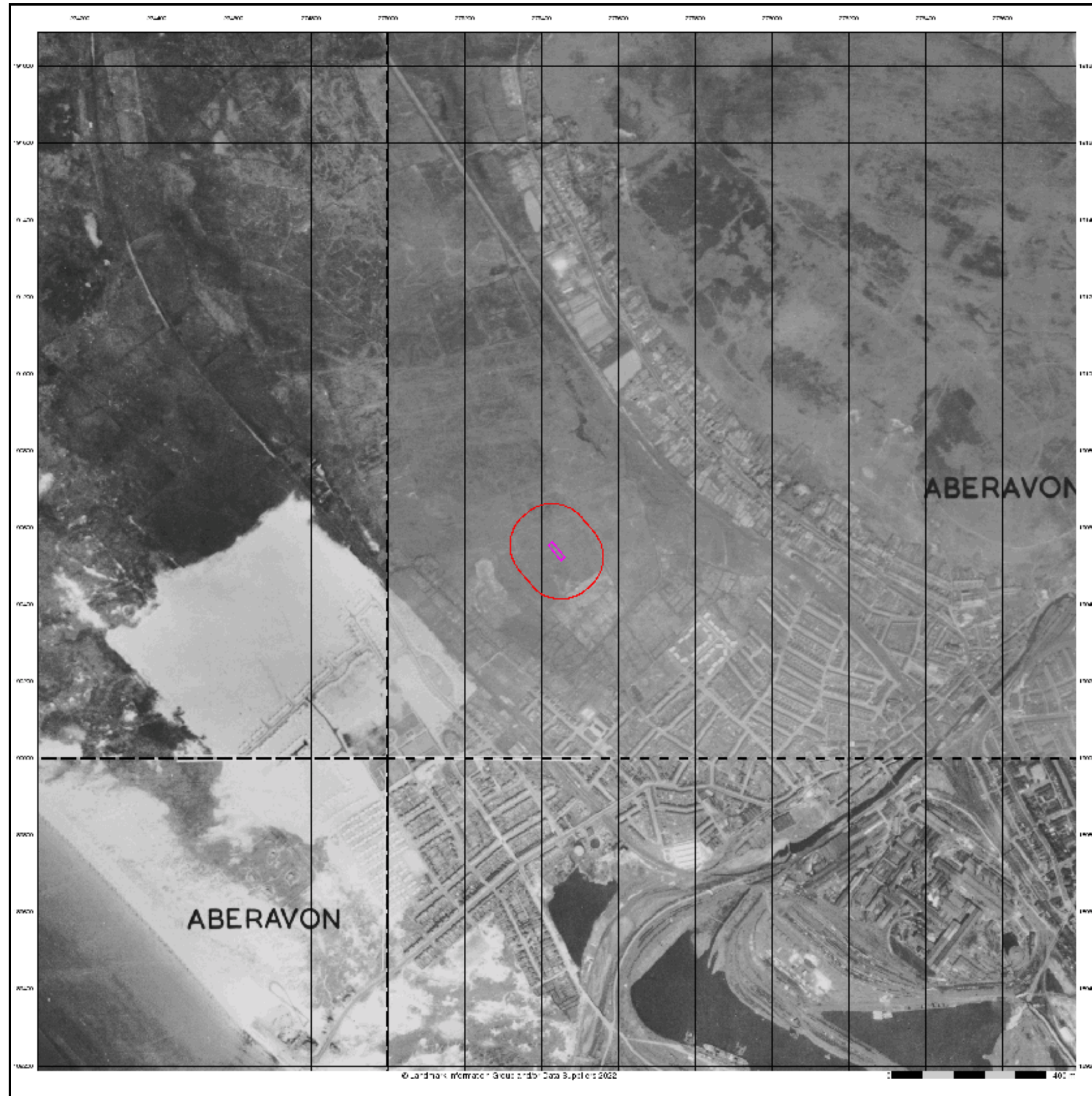


Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530



Historical Aerial Photography

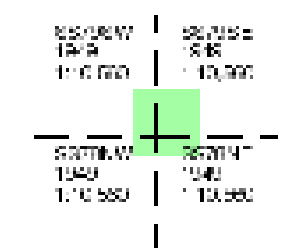
Published 1949

Source map scale - 1:10,560

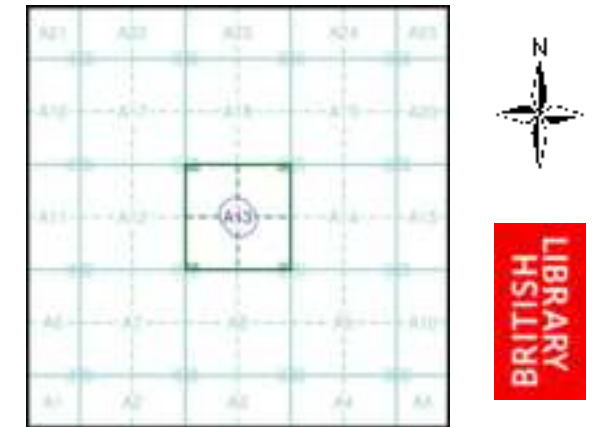
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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



Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

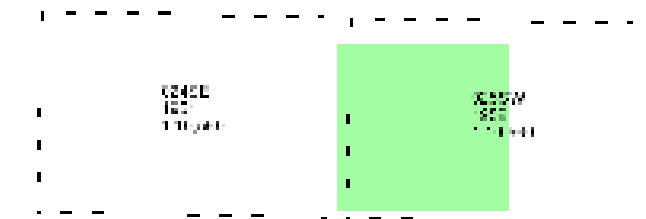
Site at 275450, 190530



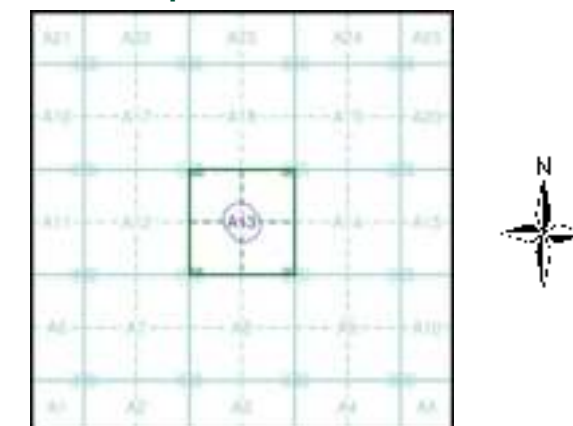
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530

Ordnance Survey Plan

Published 1964 - 1965

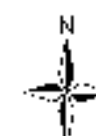
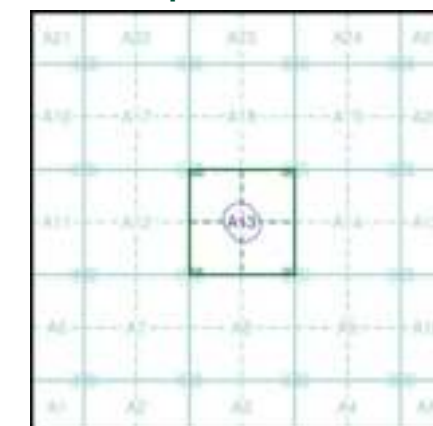
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS78SW	SS78SE
1964	1964
1:10,560	1:10,560
SS78NW	SS78NE
1965	1965
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 291876629_1_1
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 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530





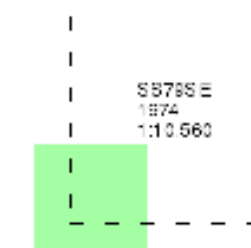
Ordinance Survey Plan

Published 1974

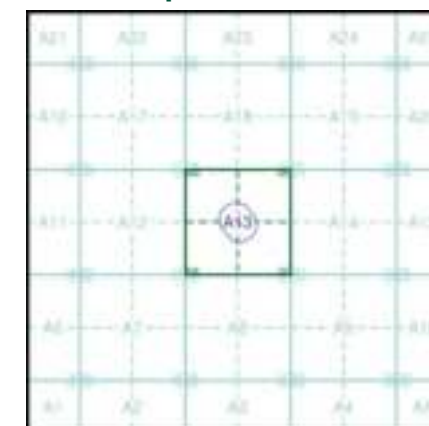
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Site at 275450, 190530



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

Ordnance Survey Plan

Published 1980 - 1982

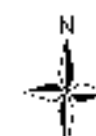
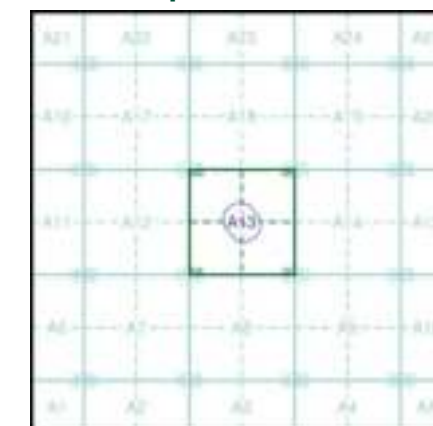
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS78SW	SS78SE
1980	1980
1:10,000	1:10,000
SS78NW	SS78NE
1982	1982
1:10,000	1:10,000

Historical Map - Slice A

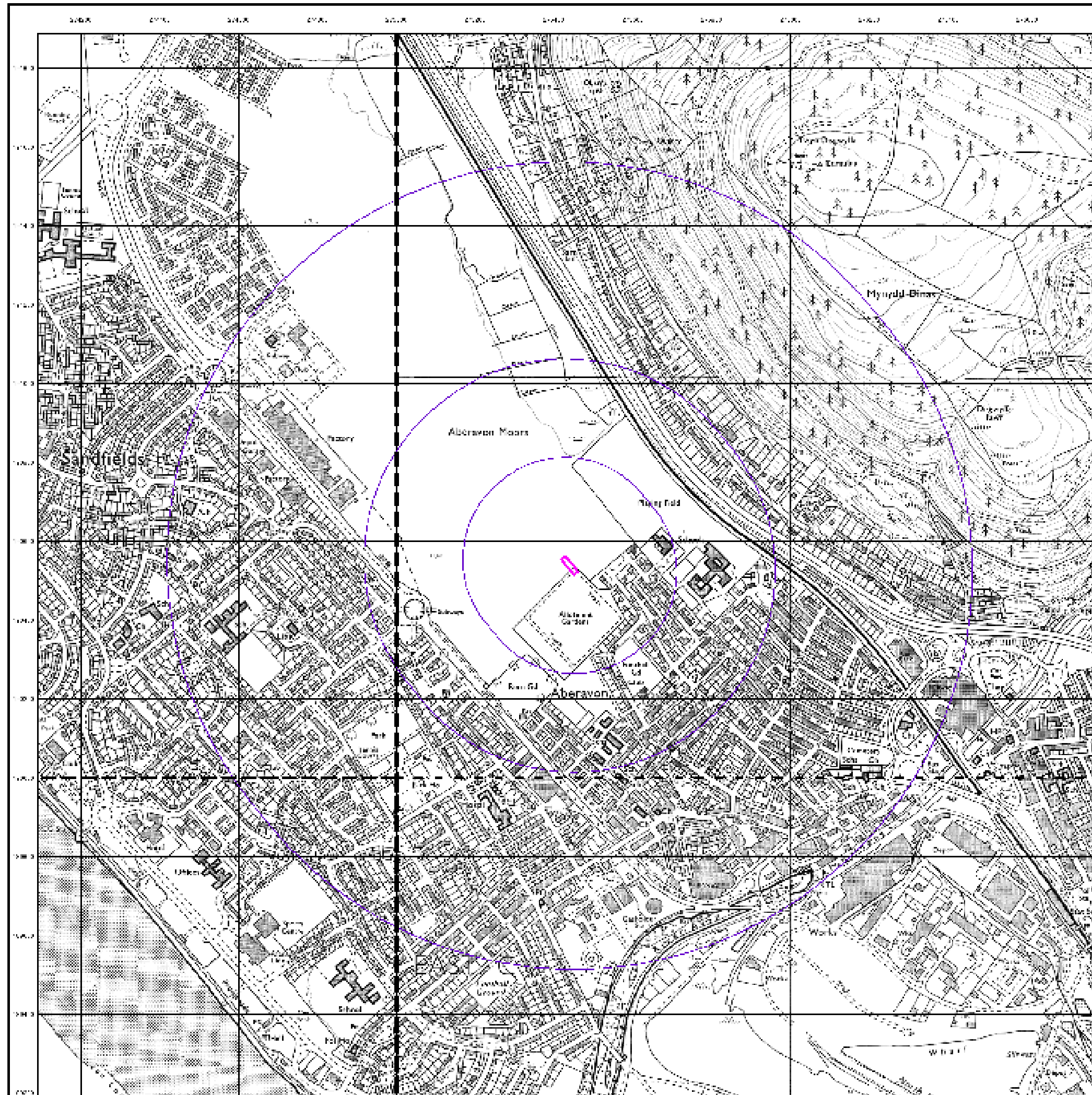


Order Details

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 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530





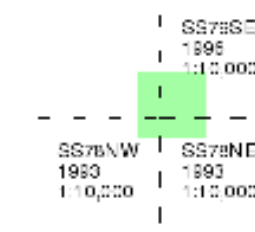
Ordnance Survey Plan

Published 1993 - 1996

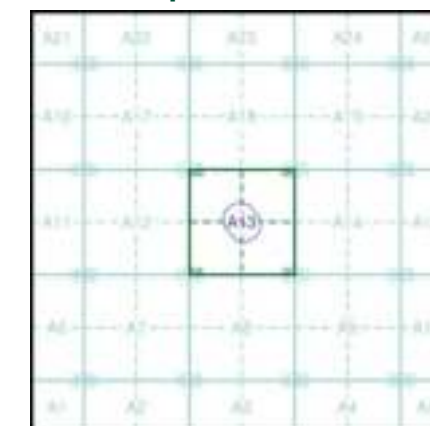
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 291876629_1_1
Customer Ref: 17166
National Grid Reference: 275440, 190540
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Site at 275450, 190530



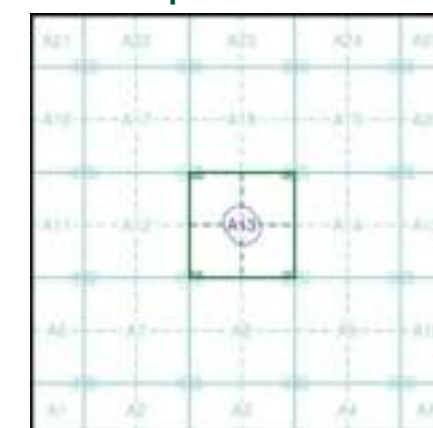
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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)

SS78SW 1999 1:10,000	SS78SE 1999 1:10,000
SS78NW 1999 1:10,000	SS78NE 1999 1:10,000

Historical Map - Slice A

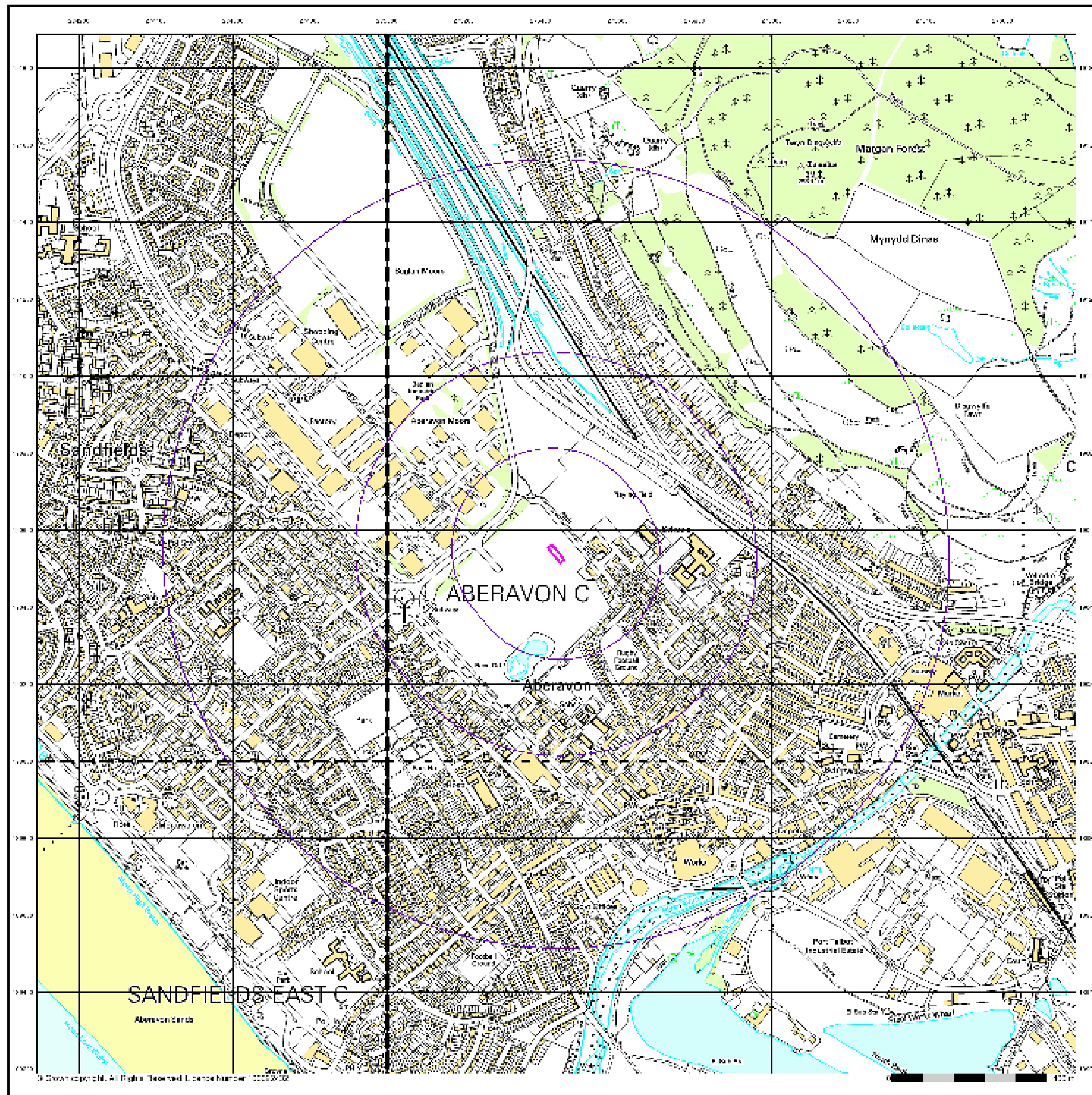


Order Details

Order Number: 291876629_1_1
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 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530

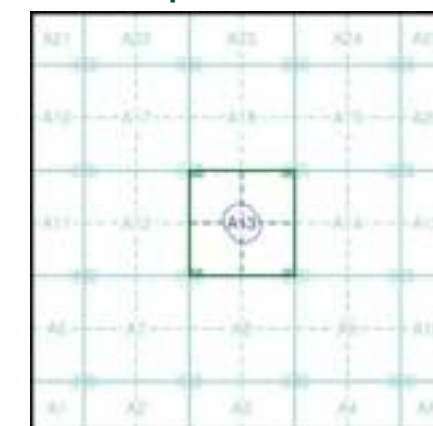


The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

SS78SW 2006 1:10,000	SS79SE 2006 1:10,000
SS78NW 2006 1:10,000	SS78NE 2006 1:10,000

Historical Map - Slice A

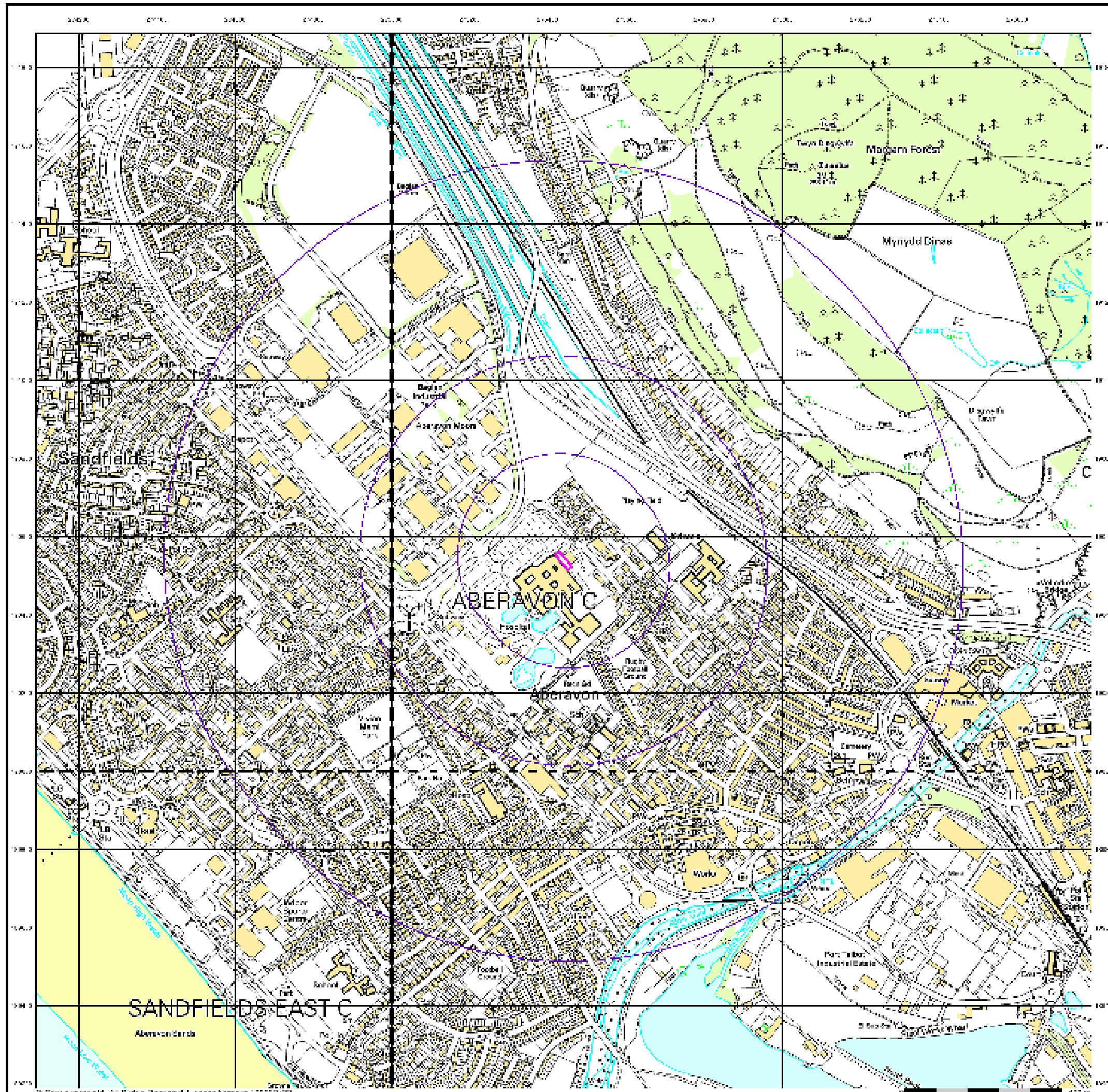


Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530

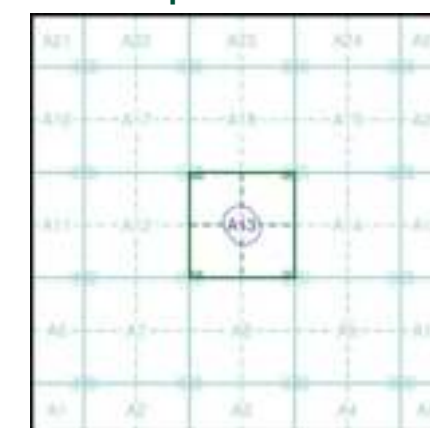


VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap 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)

SS78SW 2021 Var scale	SS78SE 2021 Var scale
SS78NW 2021 Var scale	SS78NE 2021 Variable

Historical Map - Slice A

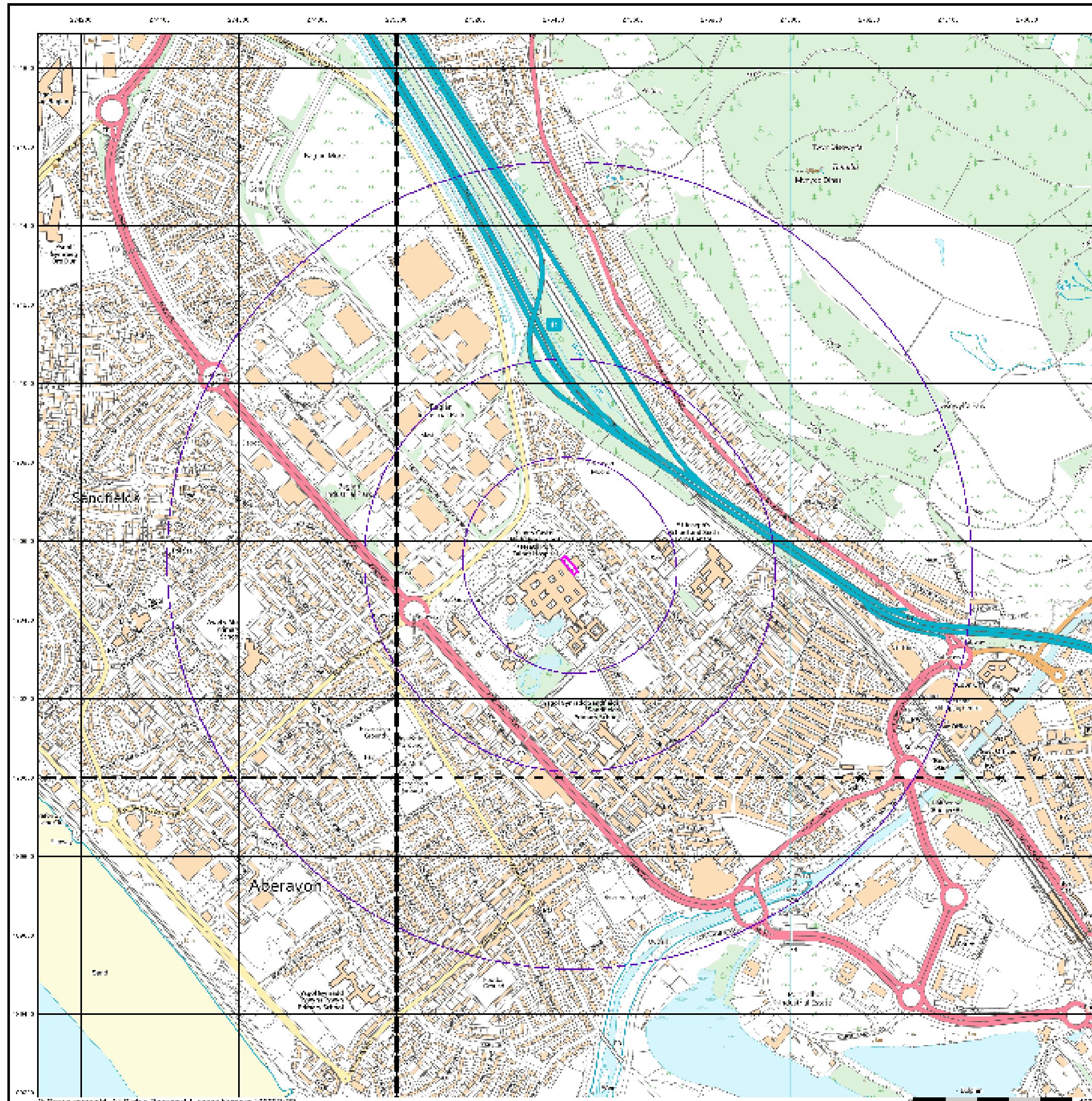


Order Details

Order Number: 291876629_1_1
 Customer Ref: 17166
 National Grid Reference: 275440, 190540
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Site at 275450, 190530



ANNEX B
Coal Authority Report



The Coal
Authority

CON29M

coal mining report

SITE AT 275450, 190530, NEATH PORT TALBOT



Known or potential coal mining risks

Future underground coal mining

Page 3



Further action

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

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



Professional opinion

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

Your reference: **291876629_2**
Our reference: **51002948205001**
Date: **1 March 2022**

Client name:
NLIS Hub

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



The Law
Society

Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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



Accessibility

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

Detailed findings

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

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1 Past underground coal mining

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

2 Present underground coal mining

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

3 Future underground coal mining

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

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

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

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

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

4 Mine entries

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

5 Coal mining geology

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

6 Past opencast coal mining

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

7 Present opencast coal mining

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

8 Future opencast coal mining

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

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

9 Coal mining subsidence

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

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

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

10 Mine gas

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

11 Hazards related to coal mining

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

12 Withdrawal of support

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

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

13 Working facilities order

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

14 Payments to owners of former copyhold land

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

Statutory cover



Coal mining subsidence

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

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

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

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



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **0800 288 4242**. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

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

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

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

coal seams - bed of coal of varying thickness

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

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

mine entries - collective name for shafts and adits

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

shaft - vertical entry into a mine

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

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

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

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

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

ANNEX C
Risk Assessment Definitions

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

Part 2A was introduced to achieve three overarching objectives:

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

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

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

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

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

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

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

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

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

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

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

Classification of Consequence

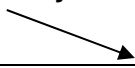
Table A Classification of Consequence	
Classification	Definition
Severe	• Short term (acute) risk to human health likely to result in significant harm • Short term risk to controlled waters • Catastrophic damage to buildings/structures • Short term risk to an ecosystem or organism within the particular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

Classification of Probability

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

Risk Assessment Matrix

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

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

Description of Risks and Likely Actions

High Risk

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

Medium Risk

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

Low Risk

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

Near Zero Risk

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

ANNEX D
Trial Pit Logs



Remarks: Groundwater not encountered. On completion, the trial pit was backfilled with materials arising.

Trial Pit Log

Trial Pit No:

TP02

Sheet 1 of 1

Project Name: NPTH Modular Orthopaedic Theatres

Project No:
17166

Co-ords: 275438.77 - 190537.82

Level: 7.89

Date:
28/03/2022

Location: Neath Port Talbot Hospital Baglan

Dimensions:

0.20

Scale:

1:25

Client: RVW Consulting

Depth

0.25

Logged:
JRW

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25	7.64		Loose brown slightly gravelly clayey fine to coarse SAND. Gravel is angular and subangular fine to coarse slag and concrete. (MADE GROUND) <i>0.0-0.19m Concrete slab.</i> End of Pit at 0.250m

Stability:	Trial pit remained stable and vertical.
------------	---

Remarks: Groundwater not encountered. On completion, trial pit backfilled with materials arising.



Trial Pit No:
TP03
Sheet 1 of 1

Date:
05/04/2022

Logged:
JRW

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.50	7.88		Loose dark brown gravelly fine to coarse SAND with low cobble content. Gravel is angular and subangular fine to coarse slag and sandstone. (MADE GROUND)
							Medium dense dark grey slightly silty sandy angular and subangular fine to coarse slag GRAVEL with low cobble and boulder content. With rare fragments of metal, glass and plastic sheeting. (MADE GROUND)
				1.47	6.91		End of Pit at 1.470m

Remarks:	Groundwater not encountered. On completion, the trial pit was backfilled with materials arising and the surface reinstated.
----------	---



Trial Pit No:
TT01
Sheet 1 of 1

Project Name: NPTH Modular Orthopaedic Theatres

Project No:
17166

Co-ords: 275454.14 - 190526.67
Level: 7.76

Date:
28/03/2022

Location: Neath Port Talbot Hospital Baglan

Dimensions:

0.20

Scale:

Depth

0.20

0.20

1:25

Logged

Logged:
JRW

Client: RVW Consulting

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.20	7.56		Medium dense brownish grey sandy angular to subrounded fine to coarse slag GRAVEL. (MADE GROUND) End of Pit at 0.200m

Stability:	Trial pit remained stable and vertical.
------------	---

Remarks: Groundwater not encountered. On completion trial pit backfilled with materials arising.

ANNEX E
Soakaway Results

SOAKAWAY TEST



Site Name: Neath Port Talbot Hospital
Project Number: 17166
Date: 05/04/2022
Engineer: Jamil Khan

Trial Pit: TP03

TEST 1		Time (minutes)
Length	1.90 m	
Width	0.70 m	
Depth	1.47 m	
Fill Level	0.99 m	
V_{p75-25}	0.319 m ³	
a_{p50}	2.578 m ²	
t_{p75-25}	53 minutes	
Soil Infiltration Rate, f	3.89E-05 ms⁻¹	
TEST 2		Time (minutes)
Length	1.90 m	
Width	0.70 m	
Depth	1.47 m	
Fill Level	0.98 m	
V_{p75-25}	0.326 m ³	
a_{p50}	2.604 m ²	
t_{p75-25}	56 minutes	
Soil Infiltration Rate, f	3.72E-05 ms⁻¹	
TEST 3		Time (minutes)
Length	1.90 m	
Width	0.70 m	
Depth	1.47 m	
Fill Level	1.00 m	
V_{p75-25}	0.313 m ³	
a_{p50}	2.552 m ²	
t_{p75-25}	58 minutes	
Soil Infiltration Rate, f	3.52E-05 ms⁻¹	
REMARKS:		
Test carried out in accordance with BRE Digest 365 (2016)		

ANNEX F
Shallow Borehole Logs



Tel: 02920 735354
info@terrafirmawales.co.uk
www.terrafirmawales.co.uk

Borehole Log

Borehole No.

CC01

Sheet 1 of 1

Project Name: NPTH Modular Orthopaedic Theatres

Project No: 17166

Co-ords: 275448E - 190529N

Hole Type
WS

Location: Neath Port Talbot Hospital Baglan

Level: 7.86m

Scale
1:50

Client: RVW Consulting

Dates: 29/03/2022 - 29/03/2022

Logged By
JM

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.20	7.66			MADE GROUND comprising strongly cemented grey CONCRETE composed of 70-80% angular fine and medium gravel sized aggregate with up to 5% rounded voids (up to 10mm). <u>0.074m 12mm diam reinforcement bar.</u> <u>0.122m 12mm diam reinforcement bar.</u> <u>0.132m 10mm diam reinforcement bar.</u> <u>0.20m Black geotextile.</u> End of Borehole at 0.200m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: On completion surface reinstated.

Borehole Log

Borehole No.

WS01

Sheet 1 of 1

Project Name: NPTH Modular Orthopaedic Theatres

Project No:
17166

Co-ords: 275427E - 190551N

Hole Type
WS

Location: Neath Port Talbot Hospital Baglan

Level: 8.02m

Scale
1:50

Client: RVW Consulting

Dates: 31/03/2022 - 31/03/2022

Logged By
JRW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	0.25			0.25	7.76			Loose brown slightly gravelly silty fine and medium SAND. Gravel is subangular and subrounded fine to coarse sandstone and slag. (MADE GROUND)	
	0.80	ES						Medium dense to dense greyish brown gravelly fine to coarse SAND. Gravel is angular and subangular fine to coarse slag. (MADE GROUND)	1
	1.00	SPT	N=41 (13,12/17,10,7,7)	1.20	6.82			Medium dense dark brownish grey slightly gravelly clayey SAND with rare ceramic, glass and plastic sheeting fragments. Gravel is angular to subrounded fine to coarse slag and sandstone. (MADE GROUND)	2
	2.00	SPT	N=26 (3,6/5,6,6,9)	3.00	5.01			End of Borehole at 3.000m	3
									4
									5
									6
									7
									8
									9
									10

Remarks: Groundwater not encountered. On completion a slotted standpipe (50mm) was installed to 3.00m. Granular response zone 3.00-0.80m, bentonite plug 0.80-0.10m, concrete and flush cover 0.10-0.00m.

Borehole Log

Borehole No.

WS02

Sheet 1 of 1

Project Name: NPTH Modular Orthopaedic Theatres

Project No:
17166

Co-ords: 275439E - 190539N

Hole Type
WS

Location: Neath Port Talbot Hospital Baglan

Level: 7.89m

Scale
1:50

Client: RVW Consulting

Dates: 29/03/2022 - 29/03/2022

Logged By
JM

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	0.18			0.18	7.71			MADE GROUND comprising strongly cemented grey CONCRETE composed of 70-80% angular fine and medium gravel sized aggregate with up to 5% rounded voids (up to 10mm). <u>0.074m 12mm diam reinforcement bar.</u> <u>0.132m 10mm diam reinforcement bar.</u> <u>0.18m Black geotextile.</u>	
	1.00	SPT	N=23 (5,9/6,5,6,6)	1.20	6.69			Medium dense dark grey gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse slag (MADE GROUND)	1
	2.00	SPT	N=42 (8,9/10,10,11,11)	1.80	6.09			Medium dense dark brown mottled orange and grey slightly gravelly clayey SAND. Gravel is angular to subrounded fine and medium sandstone and brick. (MADE GROUND)	2
	3.00	SPT	N=3 (1,0/1,1,1,0)	2.40	5.49			Dense dark grey slightly gravelly clayey SAND. Gravel is angular and subangular fine to coarse brick, slag and sandstone. (MADE GROUND)	3
	4.00	SPT	N=3 (1,0/1,1,0,1)	4.00	3.89			Very loose dark brown slightly gravelly fine and medium SAND. Gravel is angular and subangular fine to coarse sandstone and slag. (MADE GROUND)	4
								End of Borehole at 4.000m	5
									6
									7
									8
									9
									10

Remarks: Groundwater not encountered. On completion a slotted standpipe (50mm) was installed to 3.00m. Granular response zone 3.00-1.00m, bentonite plug 1.00-0.10m, concrete and flush cover 0.10-0.00m.

Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name: NPTH Modular Orthopaedic Theatres

Project No:
17166

Co-ords: 275458E - 190521N

Hole Type
WS

Location: Neath Port Talbot Hospital Baglan

Level: 7.74m

Scale
1:50

Client: RVW Consulting

Dates: 29/03/2022 - 29/03/2022

Logged By
JM

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	0.50	ES						Grey mottled orange gravelly fine to coarse SAND. Gravel is angular and subangular fine to coarse slag and sandstone (MADE GROUND)	
	1.00	SPT	50 (6,9/50 for 185mm)	0.80	6.94			Dark grey slightly silty gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of slag, brick and sandstone. (MADE GROUND).	1
				1.40	6.34			End of Borehole at 1.400m	
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: Groundwater not encountered. On completion a slotted standpipe (50mm) was installed to 1.40m. Granular response zone 1.40-0.40m, bentonite plug 0.40-0.10m, concrete and flush cover 0.10-0.00m.

ANNEX G
Deep Borehole Logs

 Tel: 02920 735354 info@terrafirmawales.co.uk www.terrafirmawales.co.uk				Borehole Log				Borehole No. BH01 Sheet 1 of 2	
Project Name: NPTH Modular Orthopaedic Theatres				Project No: 17166		Co-ords: 275424E - 190555N		Hole Type CP	
Location: Neath Port Talbot Hospital Baglan						Level: 8.15m		Scale 1:50	
Client: RVW Consulting						Dates: 22/03/2022 - 24/02/2022		Logged By JRW	
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	0.30 - 1.20 0.30 - 1.20	B ES						Grass over medium dense to dense brownish grey gravelly fine to coarse SAND with low cobble content. Gravel is angular and subangular fine to coarse slag, concrete and rare sandstone. (MADE GROUND)	1
	1.20 - 1.65 1.20	B SPT	50 (25 for 78mm/50 for 155mm)						
	2.00 - 2.45 2.00	B SPT	N=25 (4,5/7,6,7)	2.00	6.15			Medium dense greyish brown slightly clayey gravelly fine to coarse SAND with low cobble content, Gravel is angular to subrounded fine to coarse sandstone and slag. With rare plastic sheeting and glass fragments. (MADE GROUND)	2
	3.00 - 3.45 3.00	B SPT	N=25 (3,5/4,6,8,7)	3.00	5.15			Medium dense dark grey slightly gravelly fine and medium SAND with rare rubber fragments. Gravel is angular to rounded fine and medium sandstone and mudstone. (MADE GROUND)	3
	4.00 - 4.45 4.00	B SPT	N=21 (3,4/5,5,5,6)	4.00	4.15			Medium dense dark grey locally reddish brown gravelly to very gravelly medium and coarse SAND with low cobble content. Gravel is angular fine to coarse slag and sandstone. With frequent plastic sheeting, fabric and glass fragments. (MADE GROUND)	4
	5.00 - 5.45 5.00	B SPT	N=26 (4,6/6,8,5,7)	5.00	3.15			Medium dense dark grey sandy angular to subrounded fine to coarse slag and sandstone GRAVEL with frequent ceramic, clay pipe, metal and glass fragments. (MADE GROUND)	5
				5.90	2.25			Very soft brownish grey silty CLAY.	6
	6.50 - 6.95 6.50 - 6.95 6.50	B D SPT	N=7 (1,1/2,2,1,2)						7
	8.00 - 8.45 8.00 - 8.45 8.00	B D SPT	N=4 (1,1/1,1,1,1)						8
								9	
Chiseling	Depth Top (m)		Depth Base (m)		Duration (hh:mm)		Remarks		
	1.20		1.60		01:00				
	1.60		1.90		01:00				
Remarks: On completion borehole backfilled with materials arising.									

Borehole Log

Borehole No.

BH01

Sheet 2 of 2

Project Name: NPTH Modular Orthopaedic Theatres

Project No:
17166

Co-ords: 275424E - 190555N

Hole Type
CP

Location: Neath Port Talbot Hospital Baglan

Level: 8.15m

Scale
1:50

Client: RVW Consulting

Dates: 22/03/2022 - 24/02/2022

Logged By
JRW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	9.50 - 9.95 9.50 - 9.95 9.50	B D SPT	N=8 (1,2/2,2,2,2)	9.30	-1.15			Very soft brownish grey silty CLAY. Soft dark brown fibrous PEAT.	10
	11.00 - 11.45 11.00 - 11.45 11.00	B D SPT	N=4 (1,1/1,1,1,1)	10.90	-2.75			Very soft grey silty CLAY.	11
	12.50 - 12.95 12.50	B SPT	56 (8,10/56 for 262mm)	12.20	-4.05			Dense to very dense light grey and brown sandy subrounded and rounded fine to coarse sandstone GRAVEL with medium cobble content.	12
	14.00 - 14.45 14.00	B SPT	50 (25 for 29mm/50 for 33mm)						13
	14.00 - 14.45 14.00	B SPT	50 (25 for 29mm/50 for 33mm)						14
	15.00	SPT	50 (25 for 0mm/50 for 0mm)	15.00	-6.85			End of Borehole at 15.000m	15
									16
									17
									18
Chiseling	Depth Top (m)	Depth Base (m)		Duration (hh:mm)		Remarks			
	14.50	14.80		01:00					

Remarks: On completion borehole backfilled with materials arising.

Borehole Log

Borehole No.

BH02

Sheet 1 of 2

Project Name:	NPTH Modular Orthopaedic Theatres	Project No:	17166	Co-ords:	275436E - 190547N	Hole Type	CP
Location:	Neath Port Talbot Hospital Baglan	Level:	7.93m	Scale	1:50	Logged By	JRW
Client:	RVW Consulting	Dates:	17/03/2022 - 21/03/2022				

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	0.30 - 1.20	B						Grass over brown sandy angular and subangular fine to coarse concrete, slag and sandstone GRAVEL with low cobble content. With rare timber fragments . (MADE GROUND)	
	1.20 - 1.65 1.20 - 1.65 1.20	B ES SPT	50 (35 for 79mm/50 for 123mm)	1.20	6.73			Medium dense to dense greyish brown slightly silty gravelly fine to coarse SAND. Gravel is subangular fine to coarse slag. (MADE GROUND)	1
	2.00 - 2.45 2.00	B SPT	N=38 (4,7/9,8,10,11)						2
	3.00 - 3.45 3.00	D SPT	N=11 (2,3/3,3,2,3)	3.00	4.93			Medium dense dark grey slightly gravelly fine and medium SAND. Gravel is subrounded and rounded fine to coarse sandstone. (MADE GROUND)	3
	4.00 - 4.45 4.00	B SPT	N=16 (3,4/3,5,4,4)						4
	5.00 - 5.45 5.00	B SPT	N=30 (3,5/7,6,9,8)	5.00	2.93			Medium dense dark grey sandy angular fine to coarse sandstone, slag and brick GRAVEL with low cobble content. With rare glass, ceramic, clay pipe and plastic fragments. (MADE GROUND)	5
	6.50 - 6.95 6.50 - 6.95 6.50	B D SPT	N=8 (1,2/2,2,2,2)	6.50	1.43			Soft brownish grey silty CLAY.	6
	8.00 - 8.45 8.00 - 8.45 8.00	B D SPT	N=7 (1,1/1,2,2,2)						7
									8
									9

Chiseling	Depth Top (m)	Depth Base (m)	Duration (hh:mm)	Remarks
	1.20	1.60	01:00	
	1.60	2.00	01:00	

Remarks: On completion borehole backfilled with materials arising.

Borehole Log

Borehole No.

BH02

Sheet 2 of 2

Project Name: NPTH Modular Orthopaedic Theatres

Project No: 17166

Co-ords: 275436E - 190547N

Hole Type CP

Location: Neath Port Talbot Hospital Baglan

Level: 7.93m

Scale 1:50

Client: RVW Consulting

Dates: 17/03/2022 - 21/03/2022

Logged By JRW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	9.50 - 9.95 9.50 - 9.95 9.50	B D SPT	N=9 (2,2/3,2,2,2)	9.50	-1.57			Soft brownish grey silty CLAY.	
								Soft to firm dark brown fibrous PEAT.	10
	11.00 11.00 - 11.45 11.00	B D SPT	N=7 (1,1/2,2,1,2)	11.00	-3.07			Soft dark grey slightly sandy silty CLAY.	11
									12
	12.50 - 12.95 12.50 - 12.95 12.50	B D SPT	N=5 (1,1/1,2,1,1)						
	13.10	B		13.10	-5.17			Very dense brownish grey sandy subrounded and rounded fine to coarse sandstone GRAVEL with low cobble and boulder content.	13
	14.00 - 14.45 14.00	B SPT	50 (25 for 77mm/50 for 151mm)						14
				15.20	-7.27			End of Borehole at 15.200m	15
									16
									17
									18
Chiseling	Depth Top (m)	Depth Base (m)		Duration (hh:mm)		Remarks			
	13.20	13.50		01:00					

Remarks: On completion borehole backfilled with materials arising.

Borehole Log

Borehole No.

BH03

Sheet 1 of 2

Project Name: NPTH Modular Orthopaedic Theatres

Project No:
17166

Co-ords: 275454E - 190522N

Hole Type
CP

Location: Neath Port Talbot Hospital Baglan

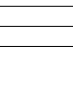
Level:	7.81m
--------	-------

Scale
1:50

Client: RVW Consulting

Dates: 14/03/2022 - 16/03/2022

Logged By
JRW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	0.00 - 0.30	B	50 (25 for 40mm/50 for 23mm)					Very dense brownish grey slightly clayey gravelly fine to coarse SAND with low cobble content. Gravel is angular to subrounded fine to coarse slag and rare sandstone. With rare plastic, glass and ceramic fragments. (MADE GROUND)	1
	0.30 - 1.00	B							
	0.30 - 1.00	ES							
	1.00 - 1.20	B	50 (25 for 81mm/50 for 83mm)	2.50	5.31		Very dense greyish brown slightly clayey sandy angular to subrounded fine to coarse slag and sandstone GRAVEL with medium to high cobble content. With rare ceramic fragments. (MADE GROUND)	2	
	1.20 - 1.65	B							
	1.20	SPT							
	2.00 - 2.45	B	N=33 (4,6/8,8,9,8)	3.00	4.81		Dense grey slightly sandy angular fine to coarse slag GRAVEL with rare plastic sheeting. (MADE GROUND)	3	
	2.00	SPT							
	2.50	B							
	3.00 - 3.45	B	N=6 (1,1/1,2,2,1)	4.00	3.81		Loose dark brownish grey slightly gravelly medium and coarse SAND. Gravel is angular to subrounded fine to coarse slag and sandstone. With rare plastic fragments. (MADE GROUND)	4	
	3.00	SPT							
	4.00 - 4.45	B	N=6 (1,1/2,1,1,2)	4.70	3.11		Soft bluish grey, orangish brown and grey silty CLAY with rare glass and fabric fragments. (MADE GROUND)	5	
	4.00	SPT							
5.00 - 5.45	B	N=4 (1,1/2,1,1,2)	5.10	2.71		Very soft brownish grey silty CLAY.	6		
5.00	SPT								
6.50 - 6.95	B	N=4 (1,1/1,1,1,1)					7		
6.50 - 6.95	D								
6.50	SPT								
8.00 - 8.45	B	N=7 (1,2/2,1,2,2)	8.00	-0.19		Soft dark brown fibrous PEAT with rare light grey silt lenses up to 50mm diam.	8		
8.00 - 8.45	D								
8.00	SPT								
			9.20	-1.39				9	
Chiseling	Depth Top (m)		Depth Base (m)		Duration (hh:mm)		Remarks		
	1.20		1.45		01:00				
	1.50		1.70		01:00				
	1.70		2.00		01:00				

Remarks:	On completion borehole backfilled with materials arising.
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Borehole Log

Borehole No.

BH03

Sheet 2 of 2

Project Name: NPTH Modular Orthopaedic Theatres

Project No:
17166

Co-ords: 275454E - 190522N

Hole Type
CP

Location: Neath Port Talbot Hospital Baglan

Level: 7.81m

Scale
1:50

Client: RVW Consulting

Dates: 14/03/2022 - 16/03/2022

Logged By
JRW

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
	9.50 - 9.95 9.50 - 9.95 9.50	B D SPT	N=4 (1,1/1,1,1,1)					Very soft dark grey silty CLAY.	10
	11.00 - 11.45 11.00 - 11.45 11.00	B D SPT	N=4 (1,1/1,1,1,1)						11
	12.50 - 12.95 12.50	B SPT	N=39 (4,6/8,9,11,11)	12.20	-4.39			Dense to very dense dark brownish grey subrounded and rounded fine to coarse sandstone GRAVEL with low cobble content.	12
	14.00 - 14.45 14.00	B SPT	50 (25 for 75mm/50 for 48mm)						14
	15.00	SPT	50 (25 for 0mm/50 for 3mm)	15.00	-7.19			End of Borehole at 15.000m	15
									16
									17
									18

Remarks: On completion borehole backfilled with materials arising.

ANNEX H
Laboratory Soil Chemical Test Results



Final Report

Report No.: 22-12505-1
Initial Date of Issue: 08-Apr-2022
Client Terra Firma (Wales) Ltd
Client Address: 5 Deryn Court
Wharfedale Road
Pentwyn
Cardiff
CF23 7HA
Contact(s): james@terrafirmawales.co.uk
Project NPTH
Quotation No.:
Order No.: 17166/JRW
No. of Samples: 9
Turnaround (Wkdays): 5
Date Approved: 08-Apr-2022
Approved By:

Date Received: 04-Apr-2022

Date Instructed: 04-Apr-2022

Results Due: 08-Apr-2022



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: NPTH

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:					22-12505	22-12505	22-12505	22-12505	22-12505	22-12505	22-12505	22-12505
Quotation No.:	Chemtest Sample ID.:					1404093	1404094	1404095	1404096	1404097	1404098	1404099	1404100
	Client Sample ID.:					1	2	3	4	5	6	7	8
	Sample Location:					BH03	BH03	BH01	BH01	BH02	BH02	WS03	WS02
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.3	2.50	0.3	6.5	1.2	3	0.5	1.0
	Bottom Depth (m):					1.0		1.2	6.95	1.65	3.45		
	Date Sampled:					01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022
	Time Sampled:					12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	Asbestos Lab:					COVENTRY		COVENTRY		COVENTRY		COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	Fibres/Clumps		-		-		-	-	-
Asbestos Identification	U	2192		N/A	Chrysotile		No Asbestos Detected		No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001	<0.001								
Total Asbestos	U	2192	%	0.001	<0.001								
Moisture	N	2030	%	0.020	9.5	7.5	17	30	12	10	8.5	8.8	6.4
Soil Colour	N	2040		N/A	Brown		Brown		Brown		Grey	Grey	Brown
Other Material	N	2040		N/A	Stones		Stones and Roots		Stones		Stones	Stones	Stones
Soil Texture	N	2040		N/A	Loam		Clay		Clay		Gravel	Gravel	Gravel
pH	M	2010		4.0	9.2	9.5	9.8	9.6	10.2	8.6	10.3	9.7	9.6
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.92		1.6		1.8		6.8	5.5	1.7
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010		0.36		0.34		0.46			0.16
Cyanide (Complex)	M	2300	mg/kg	0.50	< 0.50		< 0.50		< 0.50		< 0.50	< 0.50	0.70
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50		< 0.50		< 0.50		< 0.50	< 0.50	< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50		< 0.50		< 0.50		< 0.50	< 0.50	0.90
Sulphate (Acid Soluble)	U	2430	%	0.010	0.26	0.29	0.19	0.39	0.80	0.12	0.37	0.27	0.15
Arsenic	M	2450	mg/kg	1.0	8.4		7.9		8.6		14	9.6	9.4
Beryllium	U	2450	mg/kg	1.0	< 1.0		< 1.0		< 1.0		1.1	3.0	1.7
Cadmium	M	2450	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	0.16
Chromium	M	2450	mg/kg	1.0	20		27		28		39	8.9	8.7
Mercury Low Level	M	2450	mg/kg	0.05	0.05		0.05		0.06		0.06	< 0.05	0.08
Manganese	M	2450	mg/kg	5.0	360		410		370		550	2300	1600
Molybdenum	M	2450	mg/kg	2.0	< 2.0		< 2.0		< 2.0		< 2.0	< 2.0	< 2.0
Antimony	N	2450	mg/kg	2.0	< 2.0		< 2.0		< 2.0		< 2.0	< 2.0	< 2.0
Copper	M	2450	mg/kg	0.50	20		17		20		27	22	22
Nickel	M	2450	mg/kg	0.50	24		27		29		39	7.2	7.1
Lead	M	2450	mg/kg	0.50	12		13		14		20	38	87
Selenium	M	2450	mg/kg	0.20	0.30		< 0.20		< 0.20		< 0.20	0.40	< 0.20
Zinc	M	2450	mg/kg	0.50	68		52		52		78	78	100
Chromium (Trivalent)	N	2490	mg/kg	1.0	20		27		28		39	8.9	8.7
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50		< 0.50		< 0.50		< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0

Results - Soil

Project: NPTH

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:		22-12505	22-12505	22-12505	22-12505	22-12505	22-12505	22-12505	22-12505	22-12505
Quotation No.:	Chemtest Sample ID.:		1404093	1404094	1404095	1404096	1404097	1404098	1404099	1404100	1404101
	Client Sample ID.:		1	2	3	4	5	6	7	8	9
	Sample Location:		BH03	BH03	BH01	BH01	BH02	BH02	WS03	WS02	WS01
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.3	2.50	0.3	6.5	1.2	3	0.5	1.0	0.8
	Bottom Depth (m):		1.0		1.2	6.95	1.65	3.45			
	Date Sampled:		01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022	01-Apr-2022
	Time Sampled:		12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
	Asbestos Lab:		COVENTRY		COVENTRY		COVENTRY		COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD							
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10		< 10		< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	0.18
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	0.11
Acenaphthene	M	2700	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	0.63
Fluorene	M	2700	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	0.73
Phenanthrene	M	2700	mg/kg	0.10	< 0.10		1.4		< 0.10	< 0.10	3.4
Anthracene	M	2700	mg/kg	0.10	< 0.10		1.2		< 0.10	< 0.10	0.95
Fluoranthene	M	2700	mg/kg	0.10	0.76		1.6		< 0.10	< 0.10	3.9
Pyrene	M	2700	mg/kg	0.10	0.88		1.7		< 0.10	< 0.10	3.4
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10		2.1		< 0.10	< 0.10	2.4
Chrysene	M	2700	mg/kg	0.10	< 0.10		3.0		< 0.10	< 0.10	3.1
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10		2.4		< 0.10	< 0.10	2.8
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10		1.1		< 0.10	< 0.10	0.98
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10		1.9		< 0.10	< 0.10	2.1
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	1.3
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	0.65
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	1.3
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0		16		< 2.0	< 2.0	28
Total Phenols	M	2920	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	< 0.10
Organic Matter BS1377	N	2930	%	0.10	1.4		2.4		0.80	1.0	1.4

Test Methods

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)

Test Methods

SOP	Title	Parameters included	Method summary
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
2930	Organic Matter	Organic Matter	Acid Dichromate digestion/Titration
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge
650	Characterisation of Waste (Leaching WAC)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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

Sample Deviation Codes

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

Sample Retention and Disposal

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

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

Charges may apply to extended sample storage

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

customerservices@chemtest.com

ANNEX I
Geotechnical Test Results



Laboratory Report



GEO Site & Testing Services Ltd

Contract Number: 58882

Client Ref: **17166**

Report Date: **22-04-2022**

Client PO: **17166/JRW**

Client **Terrafirma Wales Ltd**
5 Deryn Court
Wharfedale Road
Pentwyn
Cardiff
CF23 7HB

Contract Title: **NPT Hospital**
For the attention of: **James Williams**

Date Received: **06-04-2022**

Date Completed: **22-04-2022**

Test Description	Qty
Samples Received - @ Non Accredited Test	55
Moisture Content BS 1377:1990 - Part 2 : 3.2 - * UKAS	6
PSD Wet Sieve method BS 1377:1990 - Part 2 : 9.2 - * UKAS	2
PSD: Sedimentation by pipette carried out with Wet Sieve (Wet Sieve must also be selected) BS 1377:1990 - Part 2 : 9.4 - * UKAS	1
Dry Den/MC (2.5kg Rammer Method 1 litre mould/CBR Mould) BS 1377:1990 - Part 4 : 3.4 - * UKAS	3
Disposal of samples for job	1

Notes: **Observations and Interpretations are outside the UKAS Accreditation**

* - denotes test included in laboratory scope of accreditation

- denotes test carried out by approved contractor

@ - denotes non accredited tests

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved Signatories:

Emma Sharp (Business Support Manager) - Paul Evans (Director) - Richard John (Quality/Technical Manager)

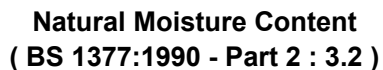
Shaun Jones (Laboratory manager) - Shaun Thomas (Site Manager) - Wayne Honey (Quality Assistant / Administrator / Health and Safety Coordinator)

GEO Site & Testing Services Ltd

Unit 3-4, Heol Aur, Dafen Ind Estate, Dafen, Llanelli, Carmarthenshire SA14 8QN

Tel: 01554 784040 Fax: 01554 784041 info@gstl.co.uk gstl.co.uk







PARTICLE SIZE DISTRIBUTION
BS 1377 Part 2:1990
Wet Sieve, Clause 9.2

Contract Number 58882

Borehole/Pit No. BH01

Site Name NPT Hospital

Sample No.

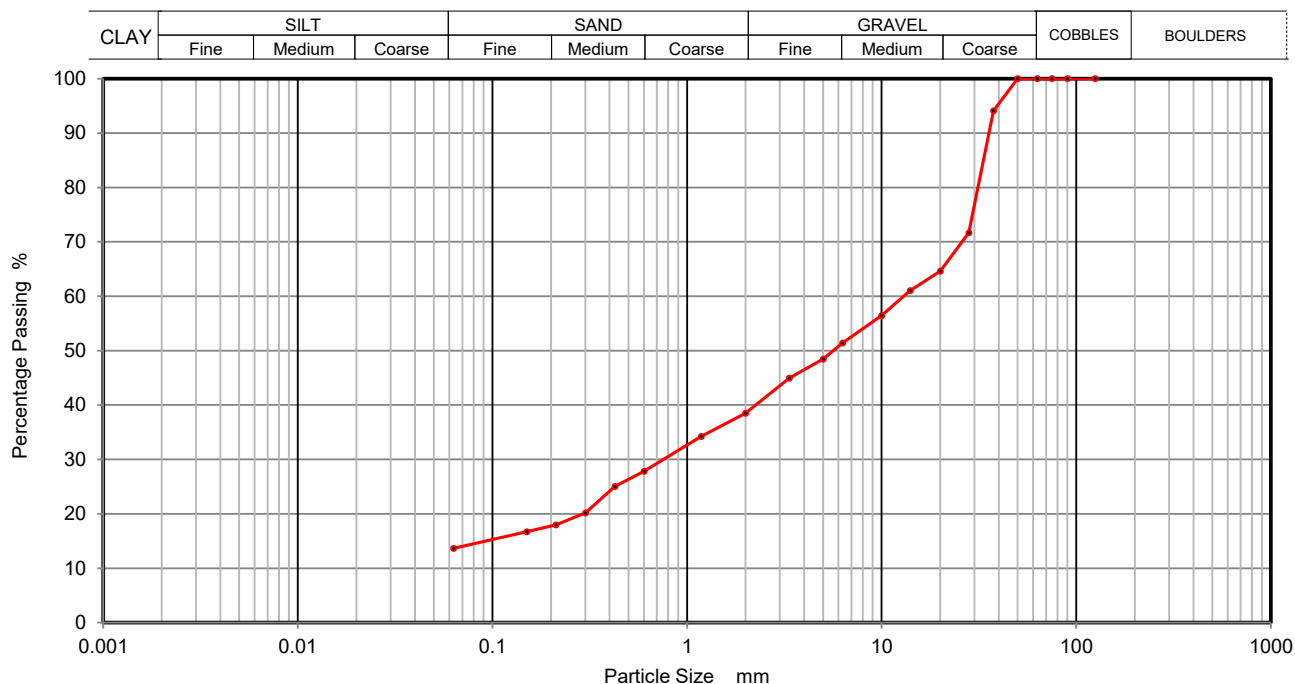
Soil Description Brown/ grey silty/ clayey fine to coarse sandy fine to coarse GRAVEL

Depth Top 1.20

Depth Base 1.65

Date Tested 15/04/2022

Sample Type B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	94		
28	72		
20	65		
14	61		
10	56		
6.3	51		
5	48		
3.35	45		
2	39		
1.18	34		
0.6	28		
0.425	25		
0.3	20		
0.212	18		
0.15	17		
0.063	14		

Sample Proportions	% dry mass
Cobbles	0
Gravel	61
Sand	25
Silt and Clay	14

Remarks

Preparation and testing in accordance with BS1377 unless noted below

Operator	Checked	21/04/2022	Richard John	
David	Approved	22/04/2022	Paul Evans	





PARTICLE SIZE DISTRIBUTION
BS 1377 Part 2:1990
Wet Sieve & Pipette Analysis, Clause 9.2 & 9.4

Contract Number 58882

Borehole/Pit No. BH03

Site Name NPT Hospital

Sample No.

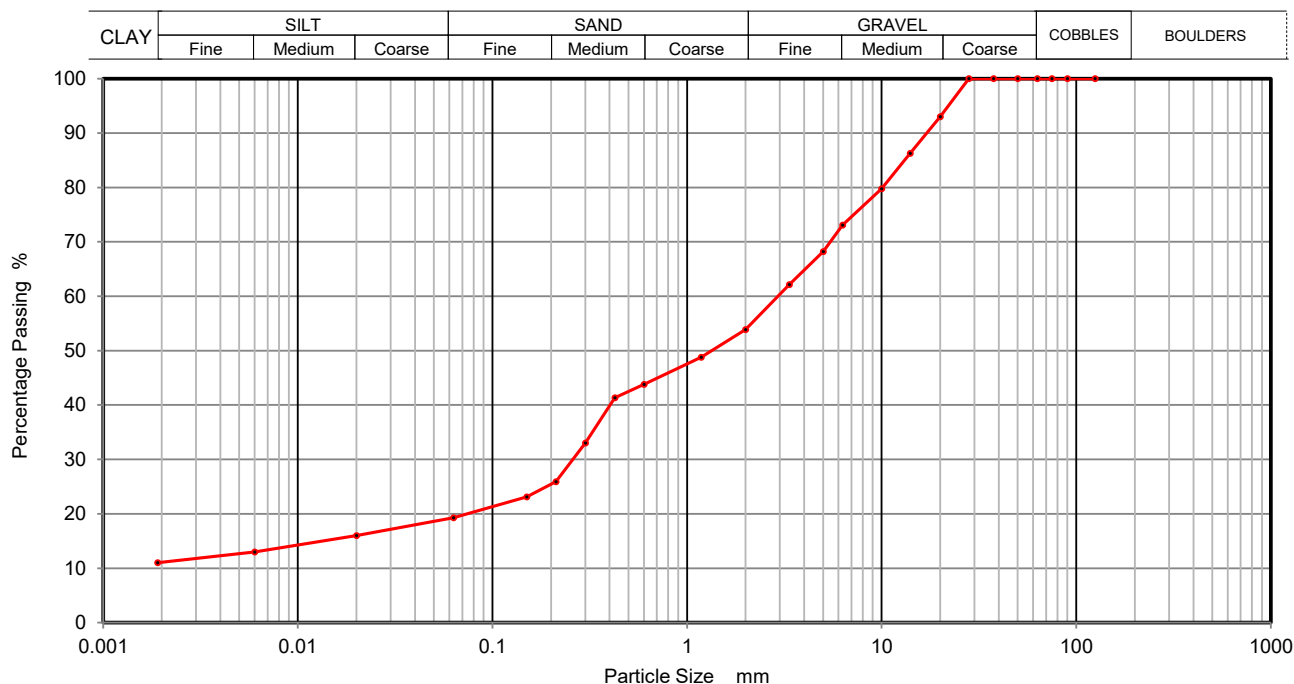
Soil Description Grey/ brown slightly silty clayey fine to coarse sandy fine to coarse GRAVEL

Depth Top 1.20

Depth Base 1.65

Date Tested 15/04/2022

Sample Type B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0200	16
90	100	0.0060	13
75	100	0.0020	11
63	100		
50	100		
37.5	100		
28	100		
20	93		
14	86		
10	80		
6.3	73		
5	68		
3.35	62		
2	54		
1.18	49		
0.6	44		
0.425	41		
0.3	33		
0.212	26		
0.15	23		
0.063	19		

Sample Proportions	% dry mass
Cobbles	0
Gravel	46
Sand	35
Silt	8
Clay	11

Remarks

Preparation and testing in accordance with BS1377 unless noted below

Operator	Checked	21/04/2022	Richard John	
David	Approved	22/04/2022	Paul Evans	



2783



**Dry Density / Moisture Content Relationship
BS 1377:Part 4:1990**

Contract Number

58882

Borehole / Pit No

BH01

Project Location

NPT Hospital

Sample No

Date Tested

14/04/2022

Depth Top

1.20

Compaction Method

2.5 Kg Rammer

Depth Base

1.65

Compaction Clause

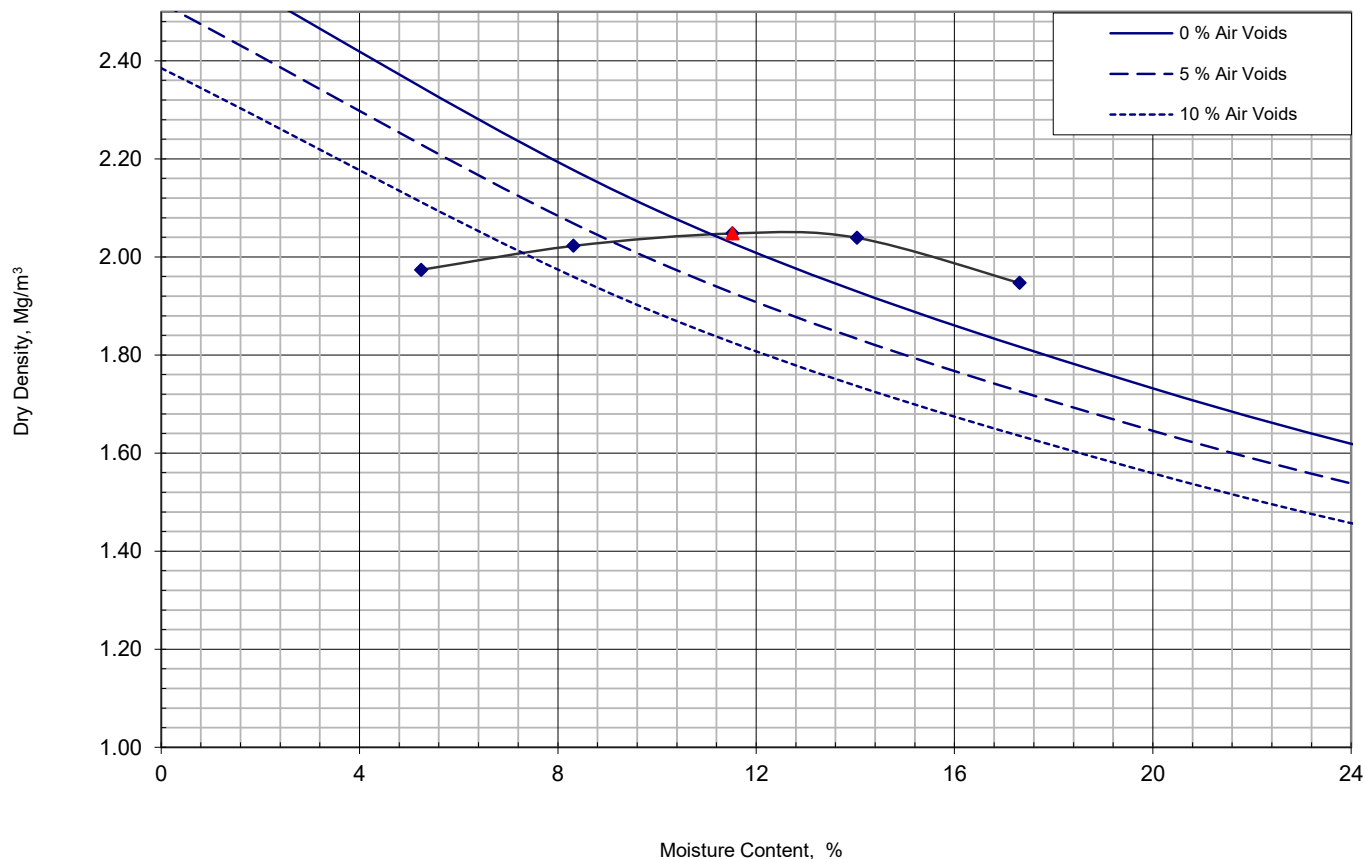
BS1377:Part 4:1990, Clause 3.3

Sample Type

B

Sample Description

Brown/ grey silty/ clayey fine to coarse sandy fine to coarse GRAVEL



Compaction Point	1	2	3	4	5							
Moisture Content	5.2	8.3	12	14	17							
Bulk Density	2.08	2.19	2.28	2.33	2.28							
Dry Density	1.97	2.02	2.05	2.04	1.95							

Initial Moisture Content	14	%
Maximum Dry Density	2.05	Mg/m3
Optimum Moisture Content	12	%
Particle Density	2.65 Assumed	Mg/m3
Material Retained 37.5mm	0	%
Material Retained 20mm	13	%

Operator

Checked

21/04/2022

Richard John

Conor

Approved

22/04/2022

Paul Evans





**Dry Density / Moisture Content Relationship
BS 1377:Part 4:1990**

Contract Number

58882

Borehole / Pit No

BH02

Project Location

NPT Hospital

Sample No

Date Tested

14/04/2022

Depth Top

1.20

Compaction Method

2.5 Kg Rammer

Depth Base

1.65

Compaction Clause

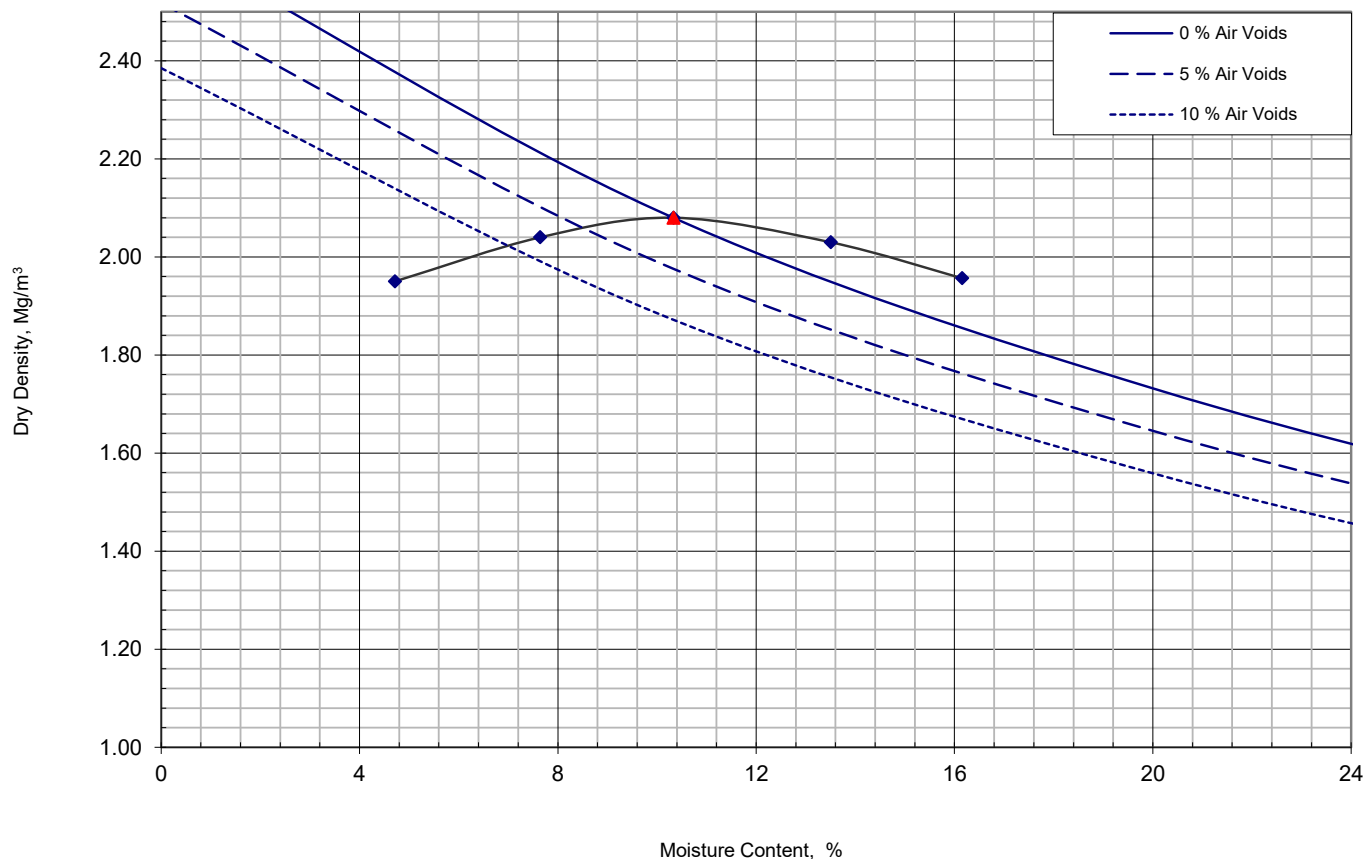
BS1377:Part 4:1990, Clause 3.3

Sample Type

B

Sample Description

Brown clayey silty fine to coarse GRAVEL



Compaction Point	1	2	3	4	5						
Moisture Content	4.7	7.6	10	14	16						
Bulk Density	2.04	2.20	2.29	2.30	2.27						
Dry Density	1.95	2.04	2.08	2.03	1.96						

Initial Moisture Content	16	%
Maximum Dry Density	2.08	Mg/m3
Optimum Moisture Content	10	%
Particle Density	2.65 Assumed	Mg/m3
Material Retained 37.5mm	0	%
Material Retained 20mm	30	%

Operator

Checked

21/04/2022

Richard John

Conor

Approved

22/04/2022

Paul Evans





**Dry Density / Moisture Content Relationship
BS 1377:Part 4:1990**

Contract Number

58882

Borehole / Pit No

BH03

Project Location

NPT Hospital

Sample No

Date Tested

14/04/2022

Depth Top

1.00

Compaction Method

2.5 Kg Rammer

Depth Base

1.20

Compaction Clause

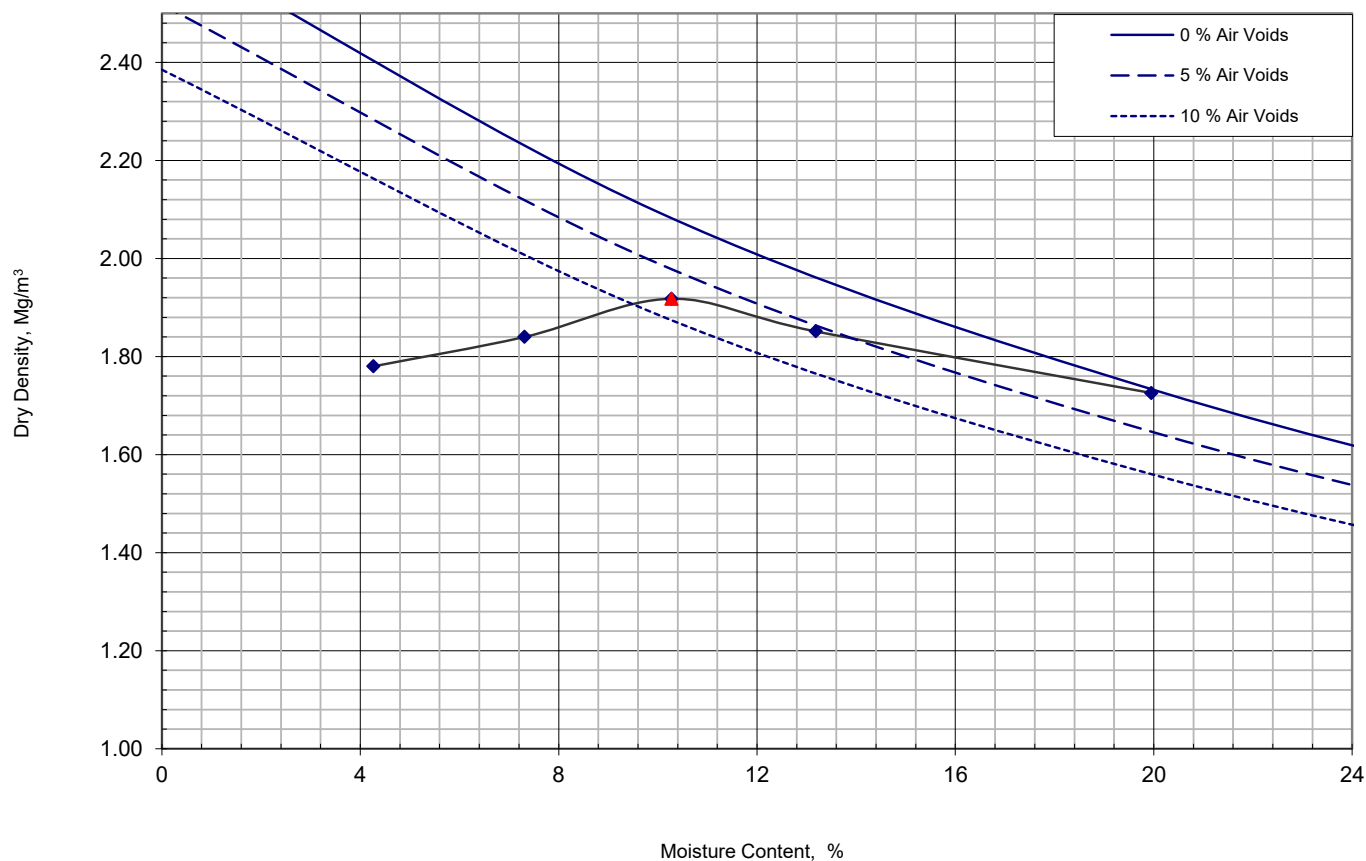
BS1377:Part 4:1990, Clause 3.3

Sample Type

B

Sample Description

Grey silty fine to coarse gravelly CLAY



Compaction Point	1	2	3	4	5						
Moisture Content	4.3	7.3	10	13	20						
Bulk Density	1.86	1.97	2.11	2.10	2.07						
Dry Density	1.78	1.84	1.92	1.85	1.73						

Initial Moisture Content	20	%
Maximum Dry Density	1.92	Mg/m3
Optimum Moisture Content	10	%
Particle Density	2.65 Assumed	Mg/m3
Material Retained 37.5mm	0	%
Material Retained 20mm	17	%

Operator

Checked

21/04/2022

Richard John

Conor

Approved

22/04/2022

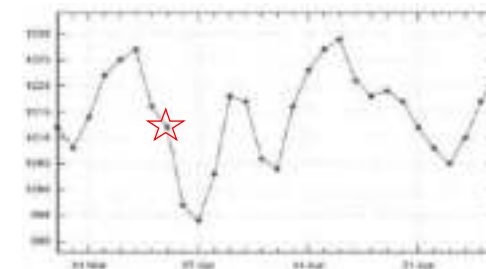
Paul Evans



ANNEX J
Ground Gas Monitoring Results



GROUND GAS & GROUNDWATER MONITORING RESULTS

[illegible]

terra
firma

Geotechnical & Geoenvironmental Specialists

Month	Tavg (°C)
1	18.5
2	15.5
3	20.5
4	24.5
5	27.5
6	21.5
7	22.5
8	16.5
9	14.5
10	21.5
11	26.5
12	28.5

Page 1 of 1

[illegible]



Site Name: NPT Hospital
Project Number: 17166
Date: 17/05/2022
Engineer: RH
Weather:
Visit: 4 of 6

[illegible]

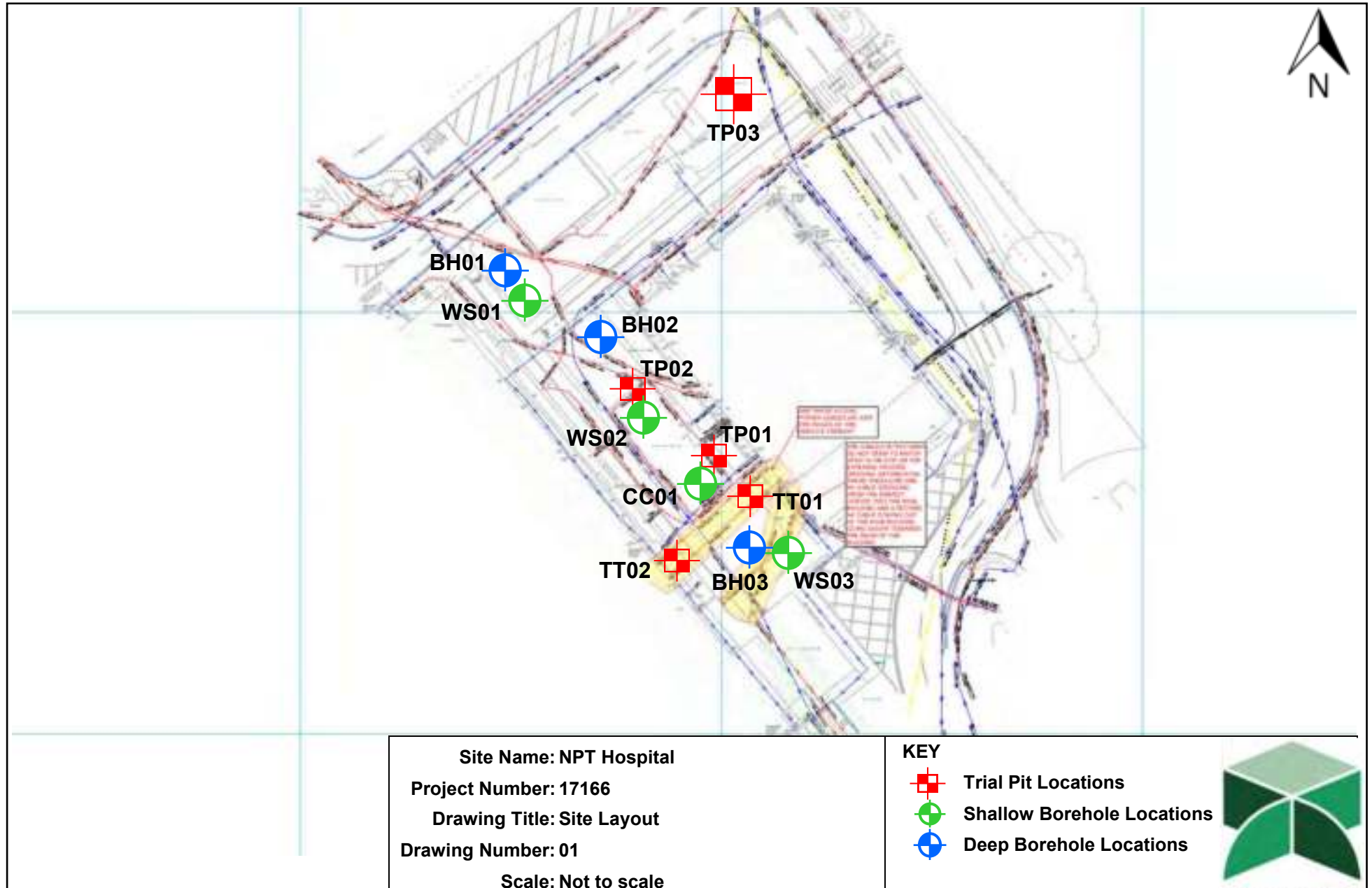


Site Name: NPT Hospital
Project Number: 17166
Date: 31/05/2022
Engineer: RH
Weather:
Visit: 5 of 6

[illegible]



DRAWINGS





Terra Firma (Wales) Ltd. 5 Deryn Court, Wharfedale Road, Penitwyn, Cardiff CF23 7HA
Tel: 029 2073 5354 Fax: 029 2073 5433 Email: info@terrafirmawales.co.uk www.terrafirmawales.co.uk