

# Geotechnical and Geoenvironmental Report

St. Barrucs Church, Barry

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## Executive Summary

<b>Site Location and Proposed Development</b>	<p>Newydd Housing Association (the Client) is proposing a post-demolition development at St. Barucs Church, Barry, CF62 5UH.</p> <p>The development site is rectangular in shape and locates in Barry . The site centres on an approximate National Grid Reference of 311610 166990, occupying a plan area of approximately 0.05 Hectares.</p> <p>The site elevation is approximately 20m AOD.</p>																												
<b>Site History</b>	<p>The current church situated on site was built circa 1900, and has remained much the same to the current day. The surrounding area has been developed for residential properties since 1900.</p>																												
<b>Geology</b>	<p>The 1:50,000 scale British Geological Map of the area (Sheet 263) was consulted for geology underlying the site. The site is shown to be underlain by the St. Mary's Well Bay Member. Strata are typically dipping 5° to the south in the local area. No superficial deposits are recorded on site.</p> <p>Made ground to a depth of 1.0-2.0m is anticipated at the site.</p>																												
<b>Radon</b>	<p>The Envirocheck Report (<b>Annex A</b>) details that no radon protective measures are required for new developments on the investigation site.</p>																												
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<b>Contamination of Concern</b>	<p>Several PAH contaminants was encountered in WS01 at 0.35m. At this stage it is likely that this can be defined as a hot spot and treated as such. Therefore, the made ground should be removed to a radius of 3m and taken to a suitably licensed waste facility. The ground around the removed area should then be sampled and tested for lead to ensure all materials containing lead have been removed. Alternatively, the made ground layers consisting of ashy SAND should be removed from site and taken to a suitably licensed waste facility.</p> <p>At this stage no other remedial measures are required. However, the need for remedial measures should be reviewed following completion of the recommended supplementary testing outlined in <b>Section 9</b>.</p>																												
<b>Foundation Solution</b>	<p>It is recommended that mass concrete strip or trench fill foundations be used; founded within the Firm to stiff yellowish brown grey mottled very gravelly CLAY at an approximate depth of 1.25m below the existing ground level. An allowable bearing pressure of 125kN/m<sup>2</sup> may be used for strips up to 750mm wide.</p> <p>Foundations must sit at least 200mm within the founding horizon.</p> <p>For the given foundation solutions and bearing pressure, maximum total settlements of 25mm should result with differential movements of the superstructure not exceeding 1:750.</p> <p>All foundation formations should be inspected by a suitably qualified Engineer before being concreted.</p>																												
<b>Recommended Further Works</b>	<p>Due to the presence of the church covering the majority of the site, it is recommended that a post-demolition geotechnical and geo-environmental investigation be undertaken.</p> <p>The investigation should comprise of trial pitting to investigate the strength of the ground as well as contamination testing.</p>																												

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## **SECTION 1 Introduction and Proposed Development**

### **1.1 Introduction**

Newydd Housing Association (the Client) is proposing a post-demolition development at St. Barucs Church, Barry, CF62 5UH.

Terra Firma (Wales) Limited have been commissioned by Austin Partnership 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
- Provide engineering foundation and floor slab recommendations for the proposed development
- Provide recommendations regarding any other geotechnical aspects pertaining to the development

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

### **1.2 Limitations and Exceptions of Investigation**

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

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

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

The investigation was limited by the current church and underground utility services.

### **1.3 Quality Assurance**

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

## SECTION 2 Review of Existing Data

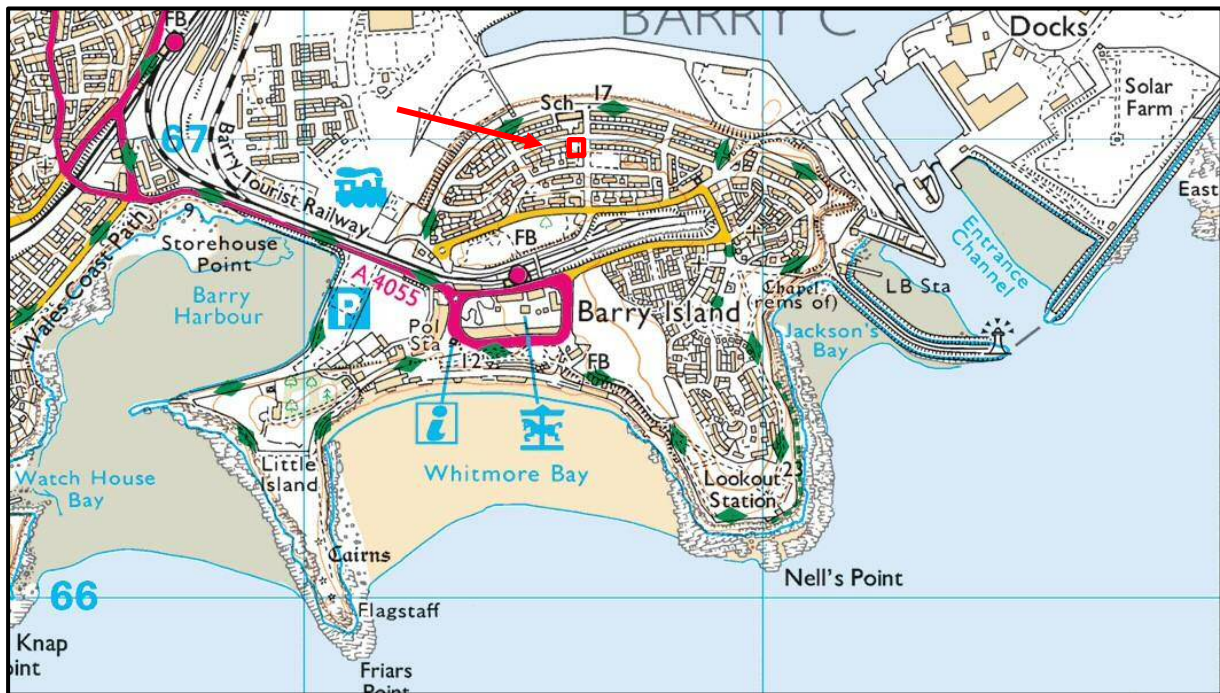
### 2.1 Physical Setting and Current Site Use

The development site is rectangular in shape and locates in Barry . The site centres on an approximate National Grid Reference of 311610 166990, occupying a plan area of approximately 0.05 Hectares.

Much of the surrounding area is comprised of residential properties.

The site elevation is approximately 20m AOD.

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



**Figure 2.1 Site Location**

## 2.2 Site History

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

**Table 2.1 Historical Development from Map Information**

Map Edition & Scale	Key Features on Site	Key Features off Site
1879 1:2,500	The site is currently occupied by open greenfield land.	Much of the surrounding area is currently occupied by open greenfield land. An 'Old Limekiln' and 'Old Quarry' is situated 120m northwest from the site. 'Leech Pool' situated 120m south from the site.
1885 1:10,000	No significant changes have been made to the site since 1879.	No significant changes have been made within the surrounding area since 1879.
1900-01 1:2,500/ 1:10,000	The current church labelled 'Mission Room', has now been constructed on site. The associated roadways (Phyllis Street and Archer Road) have also been constructed.	Much of the surrounding area has been developed with housing. Barry docks have now been developed, with many railways being built 150m north of the site.
1920-21 1:2,500/ 1:10,000	No significant changes have been made to the site since 1900.	No significant changes have been made within the surrounding area since 1900.
1936 1:2,500/ 1:10,000		
1938-47 1:10,000		
1947 1:10,000		
1955-56 1:2,500/ 1:10,000		Further residential developments have been established within the immediate area surrounding the church.
1965 1:10,000		No significant changes have been made within the surrounding area since 1956.
1971-72 1:2,500		Oil Storage Terminal situated 250m north from the site.
1973 1:2,500		No significant changes have been made within the surrounding area since 1972.
1975 1:10,000		
1984 1:10,000		
1987-90 1:2,500		
1990 1:2,500		
1991 1:10,000		
1993-94 1:2,500		
1996 1:2,500		
1999 1:10,000		
2000 1:10,000		
2006 1:10,000		
2020 1:10,000		



## 2.3 Geological Setting

### 2.3.1 Geology

The 1:50,000 scale British Geological Map of the area (Sheet 263) was consulted for geology underlying the site. The site is shown to be underlain by the St. Mary's Well Bay Member. Detailed stratigraphical information is provided in **Table 2.2**.

**Table 2.2 Detailed Stratigraphical Information**

Period	Group	Formation
Triassic	Blue Lias Formation	St. Mary's Well Bay Member: Interbedded limestone and mudstones.

Strata are typically dipping 5° to the south in the local area.

No superficial deposits are recorded on site. However, residual soil comprising gravelly clays derived from weathering of the parent rock is likely to be present.

Made ground to a depth of 1.0-2.0m is anticipated at the site.

### 2.3.2 Radon

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

### 2.3.3 Mining

The site situates outside the South Wales coal fields.

The Envirocheck report does not record any relevant mineral sites within 250m of the site.

### 2.3.4 Natural Hazards

The underlying geology is not prone to dissolution due to the significant mudstone component of the geological units and the risk of natural cavities in the bedrock is considered negligible.

## 2.4 Environmental Setting

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

### 2.4.1 Hydrogeology

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.

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

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

The nearest groundwater abstraction point is located 351m south.

## 2.4.2 Hydrology

The nearest surface water feature locates off site, 255m to the north and comprises Barry Docks.

The topography of the site slopes down towards to the north. Surface water is likely to drain in this direction.

## 2.4.3 Flooding

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

## 2.4.4 Waste

The Envirocheck report does not record any landfill sites within 250m of the site.

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

Seven discharge consents are recorded within 250m of the site.

## 2.4.5 Pollution

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

## 2.4.6 Sensitive Land Use

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

## 2.4.7 Measured Urban Soil Chemistry

The BGS have published measured 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.

## 2.4.8 Industrial Land Use

No contemporary trade directory entries are recorded within 250m of the site.

## 2.4.9 Infilled Land

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

**Table 2.3 Potentially Infilled Land**

Feature	Distance/Direction from site
Old Limekiln and Quarry	204m, northwest
Barry Docks waterfront	135m, north
Leech Pool	155m, south
Unknown filled ground (Water)	227m, west

## SECTION 3 Preliminary Human Health and Environmental Risk Assessment

### 3.1 General

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

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

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

### 3.2 Potential Sources of Contamination

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

**Table 3.1 Contamination Sources**

ID	Source	Contaminant
S1	Made ground soils	Metals, PAH, TPH CWG, Asbestos

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

### 3.3 Potential Pollution Pathways

Potential contaminant pathways associated with a residential with home grown produce 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

### 3.4 Potential Receptors

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

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

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### 3.5 Preliminary Conceptual Site Model

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

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

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



**Table 3.2 Preliminary Conceptual Site Model**

Source	Pathway	Receptor	Preliminary Risk Assessment		
			Consequence	Probability	Risk
<b>Human Health</b>					
Contaminated Soils S1	Direct soil and dust ingestion P1 Dermal contact P3 Inhalation of dust and vapours P4	Construction and maintenance workers R1	Medium	Low Likelihood	Medium Risk - COSHH assessment and good level of PPE/ hygiene by site workers/ staff; dust suppression measures if required. Suitably designed site investigation recommended
		Passers-by or neighbouring site users R3	Medium	Unlikely	Low Risk - Dust suppression measures if required.
		Future site users (residents) R2	Medium	Low Likelihood	Medium Risk - Suitably designed site investigation recommended
Radon Gas S2	Horizontal and vertical migration of ground gasses and vapours P10	Future site users (residents) R2	Medium	Unlikely	Low Risk - No radon protection measures required
Landfill Gas S3		Future site users (residents) R2, Construction and maintenance workers R1	Severe	Unlikely	Low Risk
Ground Gas S1			Severe	Unlikely	Low Risk
Vapours S1			Severe	Unlikely	Low Risk
Mine Gas S4					
Impacted Groundwaters S1	Horizontal and vertical migration of contaminants (saturated zone) P6 Dermal contact P3	Construction and maintenance workers R1	Medium	Unlikely	Low Risk
Contaminated Soils S1	Plant uptake P9 Consumption of home grown produce P2	Future site users (residents) R2	Medium	Unlikely	Low Risk
Contaminated Soils S1	Direct Contact P11	Construction materials (water pipes) R7	Mild	Low Likelihood	Low Risk
Aggressive ground conditions - Sulphates S1		Construction materials (concrete) R7			
<b>Aquatic Environment</b>					
Contaminated Soils S1	Vertical migration of leachates (unsaturated zone) P5	Groundwater (aquifer) R4 Surface waters (river/lake) R5	Mild	Low Likelihood	Low Risk
	Surface run-off P8				
	Horizontal and vertical migration of contaminants (saturated zone) P6	Surface waters (river/lake) R5			

## SECTION 4 Field Investigation

### 4.1 Site Works

A geotechnical and geoenvironmental site investigation comprising two windowless sampled boreholes and one hand dug trial pit was undertaken on the 12<sup>th</sup> February 2021.

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

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

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

Boreholes were monitored for groundwater ingress as drilling proceeded.

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

The borehole logs are presented in **Annex C**.

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

### 4.2 Ground Conditions

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

**Table 4.1 Summary of Typical Ground Conditions**

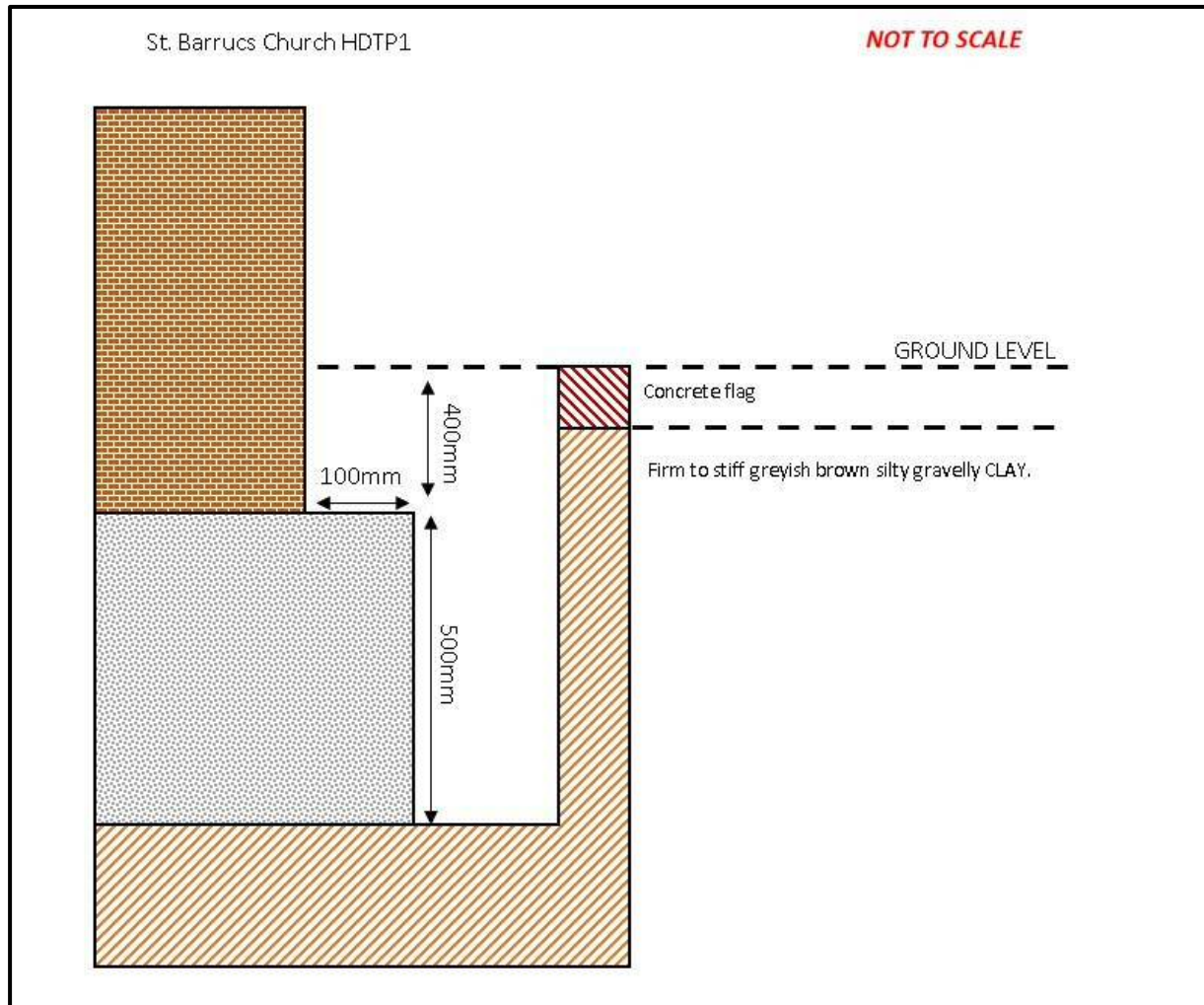
Depth (m)			Thickness (m)	Stratum
0.00	-	0.1	0.1	Concrete Flag
0.1	-	0.2	0.1	Loose yellowish brown <b>SAND (MADE GROUND)</b>
0.2	-	0.35	0.15	Loose greyish brown slightly sandy fine and medium angular <b>GRAVEL (MADE GROUND)</b>
0.35	-	0.4	0.05	Loose black ashy <b>SAND (MADE GROUND)</b>
0.4	-	1.1	0.7	Firm dark greyish brown yellow mottled slightly sandy silty gravelly <b>CLAY</b> .
1.1	-	1.2	0.1	Firm to stiff yellowish brown <b>CLAY</b>
1.2	-	>2.0	-	Firm to stiff yellowish brown grey mottled very gravelly <b>CLAY</b> .

### 4.3 Stability and Obstructions

Windowless sampled boreholes were stable throughout drilling.

Advancement of the boreholes was obstructed at 2.0m due to very dense ground conditions/suspected bedrock.

#### 4.4 Current Building Foundations



**Figure 4.1 Foundation Drawing**

The HDTP showed that the building foundation style at St Barrucs Church was mass concrete strip, with a footing of 500mm in thickness, founded onto the firm to stiff greyish brown silty gravelly CLAY at 900mm depth.

## 4.5 Laboratory Chemical Testing

### 4.5.1 Sampling Strategy

Soil sampling locations were selected on a non-targeted basis to characterise the contamination status of the site.

Sample locations, depths and suspected/known contamination source targets are summarised in **Table 4.2**:

**Table 4.2 Sample Locations, Depths and Targets**

Location	Depth (m)	Contamination Targets
WS01	0.35	S1
WS01	0.6	
WS02	0.3	
WS02	0.5	

### 4.5.2 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 determinands listed in **Table 4.3**.

**Table 4.3 Soil Laboratory Analysis**

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

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

### 4.5.3 Laboratory Geotechnical Testing

A schedule of laboratory tests was prepared by Terra Firma Wales Ltd and samples were despatched to the accredited laboratories of Apex Testing Solutions. A summary of the testing carried out is presented in **Table 4.4**.

**Table 4.4 Summary of Geotechnical Testing**

Geotechnical Test	Standard (BS1377:1990)	No. Tested
4 Point Liquid and Plastic Limit	Part 2, Clause 4.3 & 5.3	

The test results are presented in **Annex E** and discussed in **SECTION 6** of this report.



## SECTION 5 Evaluation of Geoenvironmental Analytical Results

### 5.1 Assessment Methodology

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

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

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

### 5.2 Soil Test Results

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

#### 5.2.1 Inorganics & Miscellaneous

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

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

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Arsenic	37	LQM/CIEH	15	20	0 of 4
Cadmium	11	LQM/CIEH	0.10	1.2	0 of 4
Chromium III	910	LQM/CIEH	11	26	0 of 4
Chromium VI	6	LQM/CIEH	<0.5	<0.5	0 of 4
Copper	2400	LQM/CIEH	23	43	0 of 4
Lead	200	pC4SL	27	69	0 of 4
Mercury (inorganic)	40	LQM/CIEH	<0.05	0.48	0 of 4
Nickel	180	LQM/CIEH	24	35	0 of 4
Selenium	250	LQM/CIEH	<0.20	0.48	0 of 4
Zinc	3700	LQM/CIEH	39	93	0 of 4
Cyanide	-	-	<0.5	<0.5	-
Boron	290	LQM/CIEH	0.52	2.1	0 of 4
Sulphate (%)	0.24	BRE	0.045	0.11	0 of 4
Organic Matter (%)	-	-	1.3	3.7	-
pH	-	-	8.4	9.8	-
Notes:					
- No available guideline					

## 5.2.2 Organics

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

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

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Naphthalene	2.3	LQM/CIEH	<0.1	3.5	1 of 4
Acenaphthylene	170	LQM/CIEH	<0.1	0.85	0 of 4
Acenaphthene	210	LQM/CIEH	<0.1	1.2	0 of 4
Fluorene	170	LQM/CIEH	<0.1	1.3	0 of 4
Phenanthrene	95	LQM/CIEH	<0.1	14	0 of 4
Anthracene	2400	LQM/CIEH	<0.1	3.3	0 of 4
Fluoranthene	280	LQM/CIEH	<0.1	16	0 of 4
Pyrene	620	LQM/CIEH	<0.1	16	0 of 4
Benzo(a)anthracene	7.2	LQM/CIEH	<0.1	6.6	0 of 4
Chrysene	15	LQM/CIEH	<0.1	7.2	0 of 4
Benzo(b)fluoranthene	2.6	LQM/CIEH	<0.1	7.8	1 of 4
Benzo(k)fluoranthene	77	LQM/CIEH	<0.1	2.9	0 of 4
Benzo(a)pyrene	2.2	LQM/CIEH	<0.1	6.1	1 of 4
Indeno(123cd)pyrene	27	LQM/CIEH	<0.1	4.1	0 of 4
Dibenzo(ah)anthracene	0.24	LQM/CIEH	<0.1	0.94	1 of 4
Benzo(ghi)perylene	320	LQM/CIEH	<0.1	3.6	0 of 4
Total PAH	-	-	<2.0	<2.0	-

Notes:  
 Thresholds based on 1.0% soil organic matter  
 - No available guidelines

## 5.2.2 Organics (Continued)

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

**Table 5.3 Summary of Soil Chemical Test Results – Petroleum Hydrocarbons**

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
<b>Aliphatic</b>					
PH C5 – C6 Ali	42	LQM/CIEH	<1.0	<1.0	0
PH C6 – C8 Ali	100	LQM/CIEH	<1.0	<1.0	0
PH C8 – C10 Ali	27	LQM/CIEH	<1.0	<1.0	0
PH C10 – C12 Ali	130	LQM/CIEH	<1.0	<1.0	0
PH C12 – C16 Ali	1100	LQM/CIEH	<1.0	<1.0	0
PH C16 – C21 Ali	65000*	LQM/CIEH	<1.0	<1.0	0
PH C21 – C35 Ali	65000*	LQM/CIEH	<1.0	<1.0	0
PH C35 – C44 Ali	65000	LQM/CIEH	<1.0	<1.0	0
<b>Aromatic</b>					
PH C5 – C7 Arom	70	LQM/CIEH	<1.0	<1.0	0
PH C7 – C8 Arom	130	LQM/CIEH	<1.0	<1.0	0
PH C8 – C10 Arom	34	LQM/CIEH	<1.0	<1.0	0
PH C10 – C12 Arom	74	LQM/CIEH	<1.0	<1.0	0
PH C12 – C16 Arom	140	LQM/CIEH	<1.0	<1.0	0
PH C16 – C21 Arom	260	LQM/CIEH	<1.0	<1.0	0
PH C21 – C35 Arom	1100	LQM/CIEH	<1.0	<1.0	0
PH C35 – C44 Arom	1100	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					

## 5.2.3 Asbestos Testing

All made ground soil samples were scheduled for asbestos screening. Asbestos was not detected.

## SECTION 6 Geotechnical Testing Results

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

### 6.1 Plasticity & Moisture Content Testing

During the investigation two samples of the shallow clay material was taken and submitted for plasticity testing. The test results are summarised in **Table 6.1**.

**Table 6.1 Plasticity Test Results**

Location	Depth (m)	Laboratory Principal Soil Type	Plasticity Index (%)	Passing 425µm Sieve (%)	Modified Plasticity Index (%)	Volume Change Potential
WS1	1.1	Greenish grey slightly gravelly CLAY	39	95	37.05	Medium
WS2	0.8	Brownish grey CLAY	42	100	42	High

In line with the NHBC (Chapter 4.2), the modified plasticity index for each sample was calculated. For design purposes the soils on site should be assumed to have a high volume change potential.

## SECTION 7 Quantitative Risk Assessment

### 7.1 Contaminants of Concern

Contaminants identified as part of the investigation are summarised in **Table 7.1**, 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 7.1 Contaminants of Concern**

Location	Depth	Contaminant	Source
WS01	0.35	Naphthalene Benzo(b)fluoranthene Benzo(a)pyrene Dibenzo(a,h)anthracene	S1 Made ground soils

### 7.2 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 7.2**. Identified pollutant linkages will require detailed risk assessment, appropriate mitigation or remedial measures.

**Table 7.2 Refined Conceptual Site Model**

Source	Pathway	Receptor
Contaminated Soils S1	Direct soil and dust ingestion P1	Construction and maintenance workers R1
	Dermal contact P3	
	Inhalation of dust and vapours P4	Passers-by or neighbouring site users R3
	Plant uptake P9	Future site users (residents) R2
	Consumption of home grown produce P2	

### 7.3 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.

#### 7.3.1 Human Health

##### 7.3.1.1 Contaminated Soils

Several PAH contaminants was encountered in WS01 at 0.35m. It is likely that this can be defined as a 'hot spot' and treated as such. Therefore, the made ground should be removed to a radius of 3m and taken to a suitably licensed waste facility. The ground around the removed area should then be sampled and tested for lead to ensure all materials containing lead have been removed. Alternatively, the made ground layers consisting of ashy SAND should be removed from site and taken to a suitably licensed waste facility. The definition of WS01 as a 'hot spot' should be confirmed or otherwise by the further works recommended in **Section 9**.

By treating the contamination in WS01 as a 'hot spot' no other remedial measures are required. However, the need for remedial measures should be reviewed following completion of the recommended supplementary testing outlined in **Section 9**.

### 7.3.1.1 Contaminated Soils (Continued)

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

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

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

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

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

### 7.3.2 Aquatic Environment

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

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

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

The basic measures that should be taken are as follows:

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



## **SECTION 8 Engineering Recommendations**

### **8.1 Preparation of Site**

Prior to demolition of the church an appropriate asbestos survey should be carried out. All deleterious materials should then be removed by a specialist contractor prior to demolition of the church.

The church should then be demolished including all foundations and removed from 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.

### **8.2 Foundation and Floor Slab Solution**

It is recommended that mass concrete strip or trench fill foundations be used; founded within the firm to stiff yellowish brown grey mottled very gravelly CLAY at an approximate depth of 1.25m below the existing ground level. An allowable bearing pressure of 125kN/m<sup>2</sup> may be used for strips up to 750mm wide.

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

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

It should be noted that in order to protect the formations from the effect of thermal shrinkage and/or frost heave the minimum foundation depth should be 0.9m below the finished ground level.

Provided all made ground and 'soft spots/areas' are removed and replaced with well compacted imported granular materials as previously described then the floor slabs may be designed as ground bearing. It should be noted however, that in order to satisfy the National House Building Councils (NHBC) guidelines then if the fill exceeds 600mm then the floor slabs should be designed as suspended.

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

## 8.2 Foundation and Floor Slab Solution (Continued)

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

Within the influence of trees and their root systems deeper foundations and special precautions with regards to floor slabs may be required. Section 4.2 of the NHBC Guidelines, 'Building Near Trees' Provides recommendations based upon the type of tree (size and water uptake), distance of tree from building and soil volume change potential.

**Section 6** of this report has calculated the plasticity of the soil to have a high volume change potential.

## 8.3 Excavations and Formations

Most of the shallow excavations will be possible with normal soil excavating machinery. However, it is anticipated that deeper excavations will encounter more competent materials that may require the use of hydraulic breakers.

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.

## 8.4 Protection of Buried Concrete

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

---

## **SECTION 9 Recommended Further Investigation**

### **9.1 Post Demolition Investigation**

Due to the presence of the church covering the majority of the site, it is recommended that a post-demolition geotechnical and geo-environmental investigation be undertaken.

The investigation should comprise of trial pitting to investigate the strength of the ground as well as contamination testing to confirm (or otherwise) the remediation recommendations given pre-demolition of the church.

**Annex A  
Envirocheck Report**

# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

272991217\_1\_1

**Customer Reference:**

CP16393

**National Grid Reference:**

311610, 166990

**Slice:**

A

**Site Area (Ha):**

0.05

**Search Buffer (m):**

1000

### Site Details:

Bethany, Archer Road

BARRY

CF62 5UH

### Client Details:

Mr C Pilkington

Terra Firma (Wales) Ltd

5 Deryn Court

Wharfdale Road

Pentwyn

Cardiff

CF23 7HB

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## Introduction

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

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## Report Version v53.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		7	13	55
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 21				3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 22			Yes	
Pollution Incidents to Controlled Waters	pg 22			1	9
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 24			1	
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 24			2	(*15)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 28	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 28	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 28		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 29		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 31				10

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 33			1	3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 33				2
Licensed Waste Management Facilities (Locations)	pg 34				2
Local Authority Landfill Coverage	pg 34	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 34				1
Potentially Infilled Land (Non-Water)	pg 34		1	1	2
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Registered Landfill Sites	pg 36				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)	pg 37		1		
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Notification of Installations Handling Hazardous Substances (NIHHS)	pg 37		1		
Planning Hazardous Substance Consents	pg 37			3	
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 38	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 38	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 43			1	2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 44	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 44		1		
Natural Cavities	pg 44				1
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 44	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 44		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 44	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 45		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 45		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 45	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 46			8	59
Fuel Station Entries	pg 51			1	3
Points of Interest - Commercial Services	pg 52				19
Points of Interest - Education and Health					
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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
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National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 60				1
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Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (NW)	0	1	311607 166986
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	48	1	311607 167050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	71	1	311600 166900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	98	1	311700 167050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	157	1	311550 167150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	157	1	311450 167050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	157	1	311500 166850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	168	1	311750 167100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	171	1	311607 166800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	178	1	311550 166800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	192	1	311450 166850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	199	1	311400 167000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	205	1	311400 167050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	221	1	311600 166750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	227	1	311550 166750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	249	1	311350 166986
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	267	1	311450 166750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	268	1	311500 167250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	286	1	311900 167000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	290	1	311450 167250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	298	1	311607 167300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	299	1	311600 167300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	300	1	311300 166950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	301	1	311650 167300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	302	1	311350 166800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	303	1	311550 167300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	308	1	311300 166900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	310	1	311450 166700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	311	1	311700 167300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	319	1	311400 167250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	323	1	311850 166750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	325	1	311550 166650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	336	1	311500 166650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	336	1	311950 167000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	337	1	311400 166700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	340	1	311950 167050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	353	1	311550 167350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	359	1	311700 167350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (NE)	367	1	311950 167150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	370	1	311250 166850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	399	1	311200 166986
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	421	1	311400 166600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	471	1	311600 166500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	473	1	311450 167450



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	474	1	311550 166500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	482	1	311500 166500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	486	1	312100 167000
1	<b>Discharge Consents</b> Operator: Powell Duffryn Terminals Ltd Property Type: Undefined Or Other Location: No 1 Dock B E Area Barry Authority: Natural Resources Wales Catchment Area: Boundary Of HA 58 & HA 59 Reference: An0033226 Permit Version: 1 Effective Date: 10th September 1987 Issued Date: 10th September 1987 Revocation Date: 31st March 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Severn Estuary <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A13NW (N)	209	2	311600 167210
2	<b>Discharge Consents</b> Operator: Powell Duffryn Terminals Ltd Property Type: Undefined Or Other Location: No 1 Dock B E Area Barry Authority: Natural Resources Wales Catchment Area: Boundary Of HA 58 & HA 59 Reference: An0033225 Permit Version: 1 Effective Date: 10th September 1987 Issued Date: 10th September 1987 Revocation Date: 31st March 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Severn Estuary <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A13NW (N)	220	2	311530 167210
2	<b>Discharge Consents</b> Operator: Powell Duffryn Terminals Ltd Property Type: Undefined Or Other Location: No 1 Dock B E Area Barry Authority: Natural Resources Wales Catchment Area: Boundary Of HA 58 & HA 59 Reference: An0033224 Permit Version: 1 Effective Date: 10th September 1987 Issued Date: 10th September 1987 Revocation Date: 31st March 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Severn Estuary <b>Status: Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	227	2	311490 167200
3	<b>Discharge Consents</b> Operator: Captain Philip Holiday Property Type: Manufacture Of Cement, Lime Plaster Location: No 1 Dock 'B' Central Area Barry Authority: Natural Resources Wales Catchment Area: Boundary Of HA 58 & HA 59 Reference: AN0033227 Permit Version: 2 Effective Date: 10th October 1992 Issued Date: 10th July 1992 Revocation Date: 25th July 2007 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Barry No.1 Dock <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A13NE (N)	235	2	311700 167220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p><b>Discharge Consents</b></p> <p>Operator: Van Ommeren Tank Terminals Barry Ltd  Property Type: Manufacture Of Cement, Lime Plaster  Location: No 1 Dock 'B' Central Area Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033227  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry No.1 Dock  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NE (N)	235	2	311700 167220
3	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: No 1 Dock 'B' East Area Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0033228  Permit Version: 2  Effective Date: 10th October 1992  Issued Date: 10th July 1992  Revocation Date: 6th May 2003  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	244	2	311740 167210
3	<p><b>Discharge Consents</b></p> <p>Operator: Van Ommeren Tank Terminals Barry Ltd  Property Type: Support Services - Sea Transport  Location: No 1 Dock 'B' East Area Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033228  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	244	2	311740 167210
4	<p><b>Discharge Consents</b></p> <p>Operator: Powell Duffryn Terminals Ltd  Property Type: Undefined Or Other  Location: No 1 Dock B E Area Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033223  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 31st March 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	253	2	311420 167180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Manufacture Of Cement, Lime Plaster  Location: No 1 Dock 'B' West Area Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0033222  Permit Version: 2  Effective Date: 10th October 1992  Issued Date: 10th July 1992  Revocation Date: 6th May 2003  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: Barry No.1 Dock  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	268	2	311400 167180
4	<p><b>Discharge Consents</b></p> <p>Operator: Van Ommeren Tank Terminals Barry Ltd  Property Type: Manufacture Of Cement, Lime Plaster  Location: No 1 Dock 'B' West Area Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033222  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry No.1 Dock  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	268	2	311400 167180
5	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry Island - Dyfrig Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0107401  Permit Version: 2  Effective Date: 31st March 2006  Issued Date: 18th March 2005  Revocation Date: 31st December 2005  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Barry Docks Via Unnamed Waterc  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	376	2	311990 166950
5	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry Island - Dyfrig Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0107401  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 30th March 2006  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry Docks Via Unnamed Waterc  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	376	2	311990 166950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p><b>Discharge Consents</b></p> <p>Operator: Powell Duffryn Terminals Ltd  Property Type: Undefined Or Other  Location: No 1 Dock A Site Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033221  Permit Version: 2  Effective Date: 10th October 1992  Issued Date: 10th October 1992  Revocation Date: 6th May 1994  Discharge Type: Saline Water - Estuarine Sites - Non Bathing/Shellfish  Discharge: Not Supplied  Environment:  Receiving Water: Barry No.1 Dock  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	385	2	311370 167310
6	<p><b>Discharge Consents</b></p> <p>Operator: Powell Duffryn Terminals Ltd  Property Type: Undefined Or Other  Location: No 1 Dock A Site Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033221  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry No.1 Dock  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	385	2	311370 167310
7	<p><b>Discharge Consents</b></p> <p>Operator: Natural Environmental Research Council  Property Type: Undefined Or Other  Location: Nerc Premises Barry Dock Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033229  Permit Version: 2  Effective Date: 10th October 1992  Issued Date: 10th July 1992  Revocation Date: 12th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry No.1 Dock  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NW (NE)	407	2	311980 167180
7	<p><b>Discharge Consents</b></p> <p>Operator: Natural Environmental Research Council  Property Type: Undefined Or Other  Location: Nerc Premises Barry Dock Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033229  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry No.1 Dock  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NW (NE)	407	2	311980 167180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p><b>Discharge Consents</b></p> <p>Operator: Natural Environmental Research Council  Property Type: Undefined Or Other  Location: Nerc Premises Barry Dock Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033230  Permit Version: 2  Effective Date: 10th October 1992  Issued Date: 10th July 1992  Revocation Date: 12th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry Docks  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	459	2	312060 167110
8	<p><b>Discharge Consents</b></p> <p>Operator: Natural Environmental Research Council  Property Type: Undefined Or Other  Location: Nerc Premises Barry Dock Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033230  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry Docks  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	459	2	312060 167110
8	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: A Combined Sewer Overflow Dyfrig St, Dyfrig Street Cso, Barry Island, Barry  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0382401  Permit Version: 1  Effective Date: 31st March 2005  Issued Date: 30th March 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Barry Dock No1  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	466	2	312068 167105
8	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: A Combined Sewer Overflow Dyfrig St, Dyfrig Street Cso, Barry Island, Barry  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0382401  Permit Version: 1  Effective Date: 31st March 2005  Issued Date: 30th March 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Barry Dock No1  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	466	2	312068 167105

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Island Ps  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0060601  Permit Version: 2  Effective Date: 31st March 2007  Issued Date: 24th March 2005  Revocation Date: 11th March 2008  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Old Harbour  <b>Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	510	2	311150 166730
9	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Island Ps  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0060601  Permit Version: 1  Effective Date: 18th November 1988  Issued Date: 18th November 1988  Revocation Date: 10th May 2007  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry Old Harbour  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	510	2	311150 166730
9	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Island Ps  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0048401  Permit Version: 1  Effective Date: 30th October 1987  Issued Date: 30th October 1987  Revocation Date: 13th November 1987  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	510	2	311150 166730
10	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks Northside No 1 Dock Roa, Northside No 1 Dock Road . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033220  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SW (N)	539	2	311590 167540

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Holton Road Cso Holton Road, Barry, Vale Of Glamorgan  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0392601  Permit Version: 1  Effective Date: 31st December 2005  Issued Date: 20th December 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Estuary  Environment:  Receiving Water: Barry Dock No 1  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SW (N)	540	2	311586 167541
10	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Holton Road Cso Holton Road, Barry, Vale Of Glamorgan  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0392601  Permit Version: 1  Effective Date: 31st December 2005  Issued Date: 20th December 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Estuary  Environment:  Receiving Water: Barry Dock No 1  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SW (N)	540	2	311586 167541
11	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Support Services - Sea Transport  Location: Overflow At Holton Road Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033219  Permit Version: 2  Effective Date: 22nd December 1993  Issued Date: 22nd December 1993  Revocation Date: 18th February 1994  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	551	2	311670 167550
11	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Support Services - Sea Transport  Location: Overflow At Holton Road Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033219  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 21st March 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	551	2	311670 167550



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks Northside No 1 Drainage, Northside No 1 Drainage Outfall, Drainage Outfall 18 . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033218  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	557	2	311710 167550
12	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Staions  Location: Barry Island Ps  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0060601  Permit Version: 3  Effective Date: 12th March 2008  Issued Date: 12th March 2008  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Old Harbour  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	566	2	311082 166741
12	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Staions  Location: Barry Island Ps  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0060601  Permit Version: 3  Effective Date: 12th March 2008  Issued Date: 12th March 2008  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Old Harbour  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	566	2	311082 166741
13	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033216  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SE (NE)	596	2	311890 167530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks Northside No 1 Dock Roa, Northside No 1 Dock Road Drainag, Road Drainage O/Fall 15 . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033215  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SE (NE)	621	2	311940 167530
14	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033231  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	629	2	312220 166800
15	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033251  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	641	2	312200 166710
15	<p><b>Discharge Consents</b></p> <p>Operator: Barry Yacht Club  Property Type: Recreational &amp; Cultural  Location: Barry Yacht Club The Pierhead Barry, The Pierhead Barry Docks  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0215401  Permit Version: 2  Effective Date: 1st August 2014  Issued Date: 5th February 2014  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Outer Harbour  <b>Status: Surrendered</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	662	2	312225 166716

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks North Side No 1 Dock Dr, North Side No 1 Dock Drainage No, No 1 Dock Drainage No 14 . . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033214  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	659	2	312020 167520
17	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks North Side No 1 Dock Ro, North Side No 1 Dock Road Draina, Road Drainage O/Fall 1 . . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033213  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	690	2	312080 167510
18	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks Subway Road Outfall 12, Subway Road Outfall 12 . . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033212  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	732	2	312140 167510
19	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks . . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033235  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	734	2	312330 167160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks Windward Terminal Outfa, Windward Terminal Outfall 34 .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033234  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	759	2	312360 167140
20	<p><b>Discharge Consents</b></p> <p>Operator: Barry Yacht Club  Property Type: Recreational &amp; Cultural  Location: Barry Yacht Club The Pierhead Barry, The Pierhead Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0215401  Permit Version: 1  Effective Date: 17th May 1990  Issued Date: 17th May 1990  Revocation Date: 31st July 2014  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Outer Harbour  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	737	2	312300 166700
21	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033232  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	765	2	312370 166850
22	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Domestic Property (Single)  Location: Stp Serving Barry Pilots Lodge, Dock Road, Barry, Vale Of Glamorgan, Cf62 5qs  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: Eprkp3521xm  Permit Version: 1  Effective Date: 29th June 2011  Issued Date: 29th June 2011  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Outer Harbour  <b>Status: New issued under EPR 2010</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	769	2	312350 166747

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Domestic Property (Single)  Location: Stp Serving Barry Pilots Lodge, Dock Road, Barry, Vale Of Glamorgan, Cf62 5qs</p> <p>Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: Kp3521xm  Permit Version: 1  Effective Date: 29th June 2011  Issued Date: 29th June 2011  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Outer Harbour  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	769	2	312350 166747
22	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Domestic Property (Single)  Location: Stp Serving Barry Pilots Lodge, Dock Road, Barry, Vale Of Glamorgan, Cf62 5qs</p> <p>Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: Kp3521xm  Permit Version: 1  Effective Date: 29th June 2011  Issued Date: 29th June 2011  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Outer Harbour  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	769	2	312350 166747
22	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Premises At Port Of Barry . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033252  Permit Version: 2  Effective Date: 10th July 1992  Issued Date: 10th July 1992  Revocation Date: 11th August 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry Outer Harbour  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	815	2	312390 166720
22	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Premises At Port Of Barry . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033252  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry Outer Harbour  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	815	2	312390 166720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Not Supplied  Location: Former Butlins Holiday Camp Friars, Friars Road, Barry Island, Barry Vale Of Glamorgan, Cf62 5tn  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0316901  Permit Version: 1  Effective Date: 27th November 2002  Issued Date: 27th November 2002  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Coastal Waters  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	813	2	312077 166303
23	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Not Supplied  Location: Former Butlins Holiday Camp Friars, Friars Road, Barry Island, Barry Vale Of Glamorgan, Cf62 5tn  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0316901  Permit Version: 1  Effective Date: 27th November 2002  Issued Date: 27th November 2002  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Coastal Waters  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	813	2	312077 166303
24	<p><b>Discharge Consents</b></p> <p>Operator: Central Trailer Rentco Ltd  Property Type: Undefined Or Other  Location: Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033236  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 31st March 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	822	2	312380 167300
24	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033210  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	842	2	312380 167350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Brt International Ltd, No3 Dock, Barry Docks, Cf63 3ra  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0033237  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th July 1996  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry Docks  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	854	2	312410 167310
24	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033209  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	873	2	312410 167360
24	<p><b>Discharge Consents</b></p> <p>Operator: Mdh Tanker Cleaning Services Ltd  Property Type: Support Services - Sea Transport  Location: Brt International Ltd, No3 Dock, Barry Docks, Cf63 3ra  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033237  Permit Version: 2  Effective Date: 10th July 1996  Issued Date: 9th July 1996  Revocation Date: 29th April 2007  Discharge Type: Sewage And Trade Combined - Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Docks  <b>Status: Lapsed (under Environment Act 1995, Schedule 23)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	875	2	312440 167290
25	<p><b>Discharge Consents</b></p> <p>Operator: The Geest Line  Property Type: Undefined Or Other  Location: Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033233  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 23rd September 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	836	2	312450 166960



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Not Supplied  Location: Windward Terminal Port Of Barry Ba, Port Of Barry Barry  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: AN0274201  Permit Version: 1  Effective Date: 14th July 1997  Issued Date: 14th July 1997  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	856	2	312470 166940
25	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Not Supplied  Location: Windward Terminal Port Of Barry Ba, Port Of Barry Barry  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0274201  Permit Version: 1  Effective Date: 14th July 1997  Issued Date: 14th July 1997  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	856	2	312470 166940
26	<p><b>Discharge Consents</b></p> <p>Operator: Barry Dock  Property Type: Undefined Or Other  Location: Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033211  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 17th May 1993  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	868	2	312270 167570
27	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Dock View Road  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0104301  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 31st March 2006  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dock No. 1 Via Barry Dock Stor  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	890	2	311850 167860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Welsh Water  Property Type: Sewerage Network - Pumping Staions  Location: Barry Town Ps (Emer) Island Car Pk, Isalnd Car Park, Barry Island Barry, South Wales, Cf62 5tp  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0060501  Permit Version: 4  Effective Date: 24th January 2018  Issued Date: 24th January 2018  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Harbour  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	901	2	310705 166861
28	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Welsh Water  Property Type: Sewerage Network - Pumping Staions  Location: Barry Town Ps (Emer) Island Car Pk, Isalnd Car Park, Barry Island Barry, South Wales, Cf62 5tp  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0060501  Permit Version: 4  Effective Date: 24th January 2018  Issued Date: 24th January 2018  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Harbour  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	901	2	310705 166861
28	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Staions  Location: Barry Town Ps (Emer) Island Car Pk, Isalnd Car Park, Barry Island Barry, South Wales  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0060501  Permit Version: 3  Effective Date: 12th March 2008  Issued Date: 12th March 2008  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Harbour  <b>Status: Effective</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	901	2	310705 166861
28	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Town Ps (Emer) Island Car Pk, Isalnd Car Park, Barry Island Barry, South Wales  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0060501  Permit Version: 2  Effective Date: 28th March 2000  Issued Date: 27th March 2000  Revocation Date: 11th March 2008  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	906	2	310700 166860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Town Ps (Emer) Island Car Pk, Barry Town Ps (Emergency), Island Car Park, Barry</p> <p>Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0060501  Permit Version: 1  Effective Date: 18th November 1988  Issued Date: 18th November 1988  Revocation Date: 27th June 2000  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Barry Old Harbour</p> <p><b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	906	2	310700 166860
29	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks North Side Of Junction, North Side Of Junction Cut D, Da, Cut D, Davies Way . .</p> <p>Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033208  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary</p> <p><b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	905	2	312440 167370
29	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks S.S. Junction Cut, Outf, S.S. Junction Cut, Outfall 38 Qu, Cut, Outfall 38 Queens Way .</p> <p>Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033238  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 16th January 1995  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary</p> <p><b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	923	2	312480 167320
29	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks . .</p> <p>Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033239  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary</p> <p><b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SE (E)	930	2	312480 167340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Undefined Or Other  Location: Barry Docks North Side Of Junction, North Side Of Junction Cut Outfa, Cut Outfall 7 . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033207  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 9th October 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Severn Estuary  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	941	2	312480 167370
30	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Broad Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0104401  Permit Version: 4  Effective Date: 31st March 2010  Issued Date: 28th February 2009  Revocation Date: 10th June 2009  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Old Harbour  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	935	2	310740 167370
30	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Broad Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0104401  Permit Version: 3  Effective Date: 29th March 2007  Issued Date: 29th March 2007  Revocation Date: 30th March 2010  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Old Harbour  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	935	2	310740 167370
30	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Broad Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0104401  Permit Version: 2  Effective Date: 27th March 2007  Issued Date: 18th March 2005  Revocation Date: 28th March 2007  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Old Harbour  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	935	2	310740 167370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Broad Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0104401  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 30th March 2007  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Old Harbour  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A17SW (NW)	935	2	310740 167370
31	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry Old Harbour N/W  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0048402  Permit Version: 1  Effective Date: 30th October 1987  Issued Date: 30th October 1987  Revocation Date: 16th November 1987  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	935	2	310680 166800
32	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry Old Harbour S/E  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0048403  Permit Version: 1  Effective Date: 30th October 1987  Issued Date: 30th October 1987  Revocation Date: 13th November 1987  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7NW (SW)	996	2	310750 166450
33	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Lafarge Redland Aggregates Ltd  Location: Hudd Road, No 1 Dock, BARRY, South Glamorgan, CF63 4AB  Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department  Permit Reference: Vog/9  Dated: Not Supplied  Process Type: Local Authority Air Pollution Control  Description: PG3/1Blending, packing, loading and use of bulk cement  <b>Status: Authorisation revoked</b>  Positional Accuracy: Manually positioned to the address or location</p>	A18SE (NE)	667	3	311926 167591
34	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Wm Morrison Supermarkets Plc  Location: Penny Way, BARRY, CF63 4BA  Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department  Permit Reference: Vog/39  Dated: Not Supplied  Process Type: Local Authority Air Pollution Control  Description: PG1/14 Petrol filling station  <b>Status: Authorised</b>  Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	754	3	311669 167754

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Coppins Motors Ltd            Location: Broad Street, BARRY, South Glamorgan, CF62 7AE            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: VOG/32            Dated: 18th May 1999            Process Type: Local Authority Air Pollution Control            Description: PG1/14 Petrol filling station  <b>Status: Authorised</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	900	3	310781 167376
	<p><b>Nearest Surface Water Feature</b></p>	A13NW (NW)	266	-	311401 167178
36	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Waste Handling Facilities            Location: BARRY            Authority: Environment Agency, Welsh Region            Pollutant: Unknown            Note: Deliberate Act            Incident Date: 9th September 1993            Incident Reference: 21048            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Direct Discharge            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13NW (N)	268	4	311500 167250
37	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Sewerage            Location: BEACH            Authority: Environment Agency, Welsh Region            Pollutant: Unknown            Note: Mechanical Failure            Incident Date: 3rd August 1991            Incident Reference: 1160            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Overflow            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A8NW (S)	580	4	311500 166400
38	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: BARRY ISLAND            Authority: Environment Agency, Welsh Region            Pollutant: Heavy Fuel Oil            Note: Unknown; Whitmore Bay; Barry            Incident Date: 19th July 1998            Incident Reference: 36277            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	679	4	311500 166300
39	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Boats/Ships            Location: Jacksons Bay            Authority: Environment Agency, Welsh Region            Pollutant: Unknown            Note: Mechanical Failure            Incident Date: 23rd May 1992            Incident Reference: 4132            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	721	4	312200 166550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Slipway            Authority: Environment Agency, Welsh Region            Pollutant: Miscellaneous - Tip Leachate            Note: Not Supplied            Incident Date: 2nd December 1994            Incident Reference: 22051            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	751	4	312200 166500
40	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Barry Docks, BARRY            Authority: Environment Agency, Welsh Region            Pollutant: Crude Sewage            Note: Not Supplied            Incident Date: 5th August 1994            Incident Reference: 21253            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	748	4	312300 167300
41	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Boats/Ships            Location: Barry Docks, BARRY            Authority: Environment Agency, Welsh Region            Pollutant: Farm Effluent/Slurry            Note: Accidental Spillage/Leakage            Incident Date: 15th April 1991            Incident Reference: 270            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Spillage            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	786	4	312400 167000
42	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Old Harbour, BARRY            Authority: Environment Agency, Welsh Region            Pollutant: Light Oil            Note: Not Supplied            Incident Date: 28th June 1992            Incident Reference: 4415            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	817	4	310800 166800
43	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Cold Knap            Authority: Environment Agency, Welsh Region            Pollutant: Heavy Fuel Oil            Note: Not Supplied            Incident Date: 26th June 1995            Incident Reference: 24618            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	844	4	310800 166700
44	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Storm Overflow            Location: BARRY            Authority: Environment Agency, Welsh Region            Pollutant: Farm Effluent/Slurry            Note: Mechanical Failure            Incident Date: 31st July 1991            Incident Reference: 1116            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Overflow            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	915	4	310700 166800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p><b>Registered Radioactive Substances</b></p> <p>Name: Research Vessel Services            Location: N E R C, No 1 Dock, BARRY, South Glamorgan, CF63 4AB            Authority: Natural Resources Wales            Permit Reference: AF0814            Dated: 31st March 1991            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Authorisation under RSA  <b>Status: Authorisation either revoked or cancelled</b>            Positional Accuracy: Unknown</p>	A13NW (NW)	392	2	311314 167270
46	<p><b>Water Abstractions</b></p> <p>Operator: Hyper Value Holdings Limited            Licence Number: 21/58/31/0031            Permit Version: 1            Location: Borehole At Barry Island Pleasure Park            Authority: Environment Agency, Welsh Region            Abstraction: Holiday Sites; Camp Sites And Tourist Attractions: General Use (Medium Loss)            Abstraction Type: Water may be abstracted from a single point            Source: Groundwater            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Barry Island Pleasure Park            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 21st May 2004            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	351	4	311620 166620
46	<p><b>Water Abstractions</b></p> <p>Operator: Hyper Value Holdings Limited            Licence Number: 21/58/31/0030            Permit Version: 100            Location: Borehole At Barry Island Pleasure Park            Authority: Environment Agency, Welsh Region            Abstraction: Holiday Sites; Camp Sites And Tourist Attractions: General Use (Medium Loss)            Abstraction Type: Water may be abstracted from a single point            Source: Groundwater            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Borehole - Max Depth 60 M &amp; Dia. 150 Mm            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 21st March 1997            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	351	4	311620 166620
	<p><b>Water Abstractions</b></p> <p>Operator: Hargreaves (Uk) Services Limited            Licence Number: 21/58/11/0011            Permit Version: 104            Location: Cadoxton River At Barry            Authority: Environment Agency, Welsh Region            Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression            Abstraction Type: Water may be abstracted from a single point            Source: Tidal            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Coal Depot At Barry Docks            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 9th August 2010            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1556	4	313150 167250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Hargreaves (Uk) Services Limited  Licence Number: 21/58/11/0011  Permit Version: 104  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Mineral Washing  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 9th August 2010  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1556	4	313150 167250
	<p><b>Water Abstractions</b></p> <p>Operator: Hargreaves (Uk) Services Limited  Licence Number: 21/58/11/0011  Permit Version: 104  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Make-Up Or Top Up Water  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 9th August 2010  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1556	4	313150 167250
	<p><b>Water Abstractions</b></p> <p>Operator: Evans &amp; Reid Coal Co Ltd  Licence Number: 21/58/11/0011  Permit Version: 103  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Coal Depot At Barry Docks  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 15th April 2008  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1556	4	313150 167250
	<p><b>Water Abstractions</b></p> <p>Operator: Evans &amp; Reid Coal Co Ltd  Licence Number: 21/58/11/0011  Permit Version: 103  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Make-Up Or Top Up Water  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 15th April 2008  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1556	4	313150 167250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Evans &amp; Reid Coal Co Ltd  Licence Number: 21/58/11/0011  Permit Version: 103  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Mineral Washing  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 15th April 2008  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1556	4	313150 167250
	<p><b>Water Abstractions</b></p> <p>Operator: Evans &amp; Reid Coal Co Ltd  Licence Number: 21/58/11/0011  Permit Version: 102  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Coal Depot At Barry Docks  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 1st October 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1565	4	313164 167218
	<p><b>Water Abstractions</b></p> <p>Operator: Evans &amp; Reid Coal Co Ltd  Licence Number: 21/58/11/0011  Permit Version: 102  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Make-Up Or Top Up Water  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 1st October 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1565	4	313164 167218
	<p><b>Water Abstractions</b></p> <p>Operator: Evans &amp; Reid Coal Co Ltd  Licence Number: 21/58/11/0011  Permit Version: 102  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Mineral Washing  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 1st October 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1565	4	313164 167218

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Apex Coal Ltd  Licence Number: 21/58/11/0011  Permit Version: 101  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Coal Depot At Barry Docks  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th June 2001  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1565	4	313164 167218
	<p><b>Water Abstractions</b></p> <p>Operator: Apex Coal Ltd  Licence Number: 21/58/11/0011  Permit Version: 101  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Make-Up Or Top Up Water  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th June 2001  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1565	4	313164 167218
	<p><b>Water Abstractions</b></p> <p>Operator: Apex Coal Ltd  Licence Number: 21/58/11/0011  Permit Version: 101  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Mineral Washing  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th June 2001  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NE (E)	1565	4	313164 167218
	<p><b>Water Abstractions</b></p> <p>Operator: Partners For The Time Being Of W Baker &amp; Sons (Barry) Ltd  Licence Number: 21/58/11/0011  Permit Version: 100  Location: Cadoxton River At Barry  Authority: Environment Agency, Welsh Region  Abstraction: Other Industrial/Commercial/Public Services: Make-Up Or Top Up Water  Abstraction Type: Water may be abstracted from a single point  Source: Tidal  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: River Cadoxton  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 24th April 1996  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A15NE (E)	1565	4	313164 167218

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Partners For The Time Being Of W Baker & Sons (Barry) Ltd Licence Number: 21/58/11/0011 Permit Version: 100 Location: Cadoxton River At Barry Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Tidal 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: 24th April 1996 Permit End Date: Not Supplied Positional Accuracy: Approximate location provided by supplier	A15NE (E)	1565	4	313164 167213
	<b>Water Abstractions</b> Operator: Partners For The Time Being Of W Baker & Sons (Barry) Ltd Licence Number: 21/58/11/0011 Permit Version: 100 Location: Cadoxton River At Barry Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Tidal 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: 24th April 1996 Permit End Date: Not Supplied Positional Accuracy: Approximate location provided by supplier	A15NE (E)	1570	4	313169 167213
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NE (N)	0	2	311607 167000
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (NW)	0	2	311607 166986
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13SE (NW)	0	2	311607 166986
	<b>Superficial Aquifer Designations</b> No Data Available				
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	191	2	311573 167190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	212	2	311587 167212
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	212	2	311576 167212
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	212	2	311587 167212
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	212	2	311598 167213
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	212	2	311608 167214
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	213	2	311609 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	213	2	311619 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	214	2	311592 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	214	2	311605 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	214	2	311607 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	215	2	311579 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	216	2	311645 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	218	2	311538 167210
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	218	2	311531 167208
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	222	2	311525 167210
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	223	2	311510 167205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	224	2	311515 167209
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	225	2	311495 167200
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	225	2	311502 167204
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	229	2	311485 167200
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	230	2	311475 167195
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	230	2	311478 167197
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	231	2	311483 167200
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	234	2	311711 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	237	2	311717 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	237	2	311461 167194
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	240	2	311725 167215
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	241	2	311450 167190
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	241	2	311447 167188
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	244	2	311740 167210
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	249	2	311750 167210
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	250	2	311760 167205



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	250	2	311430 167185
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	250	2	311430 167185
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
47	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 163.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14NW (E)	551	5	312151 167124
48	<b>OS Water Network Lines</b> Watercourse Form: Lock or flight of locks Watercourse Length: 203.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14NW (E)	571	5	312180 167070
49	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 97.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 2	A14NW (E)	623	5	312202 167209
50	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 363.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14NW (E)	623	5	312202 167209
51	<b>OS Water Network Lines</b> Watercourse Form: Lock or flight of locks Watercourse Length: 213.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 2	A14NW (E)	646	5	312248 167124
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 67.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A7NE (SW)	667	5	311088 166544
53	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 123.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14SE (E)	684	5	312295 166902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 126.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 2	A14SE (E)	757	5	312371 166950
55	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 327.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14SE (E)	783	5	312385 166835
56	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 473.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dock Number 2 Catchment Name: Thaw Cadoxton Primacy: 1	A19SE (NE)	984	5	312525 167374

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Not Supplied            Location: Barry, South Glamorgan            Name: West Pond            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHL14508            First Input Date: 31st December 1945            Last Input Date: 31st December 1955            Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste            Type: Special Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0061            BGS Ref: Not Supplied            Other Ref: Not Supplied</p>	A12NE (W)	369	2	311231 167030
58	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Associated British Ports            Location: Off Cory Way, Barry, Vale Of Glamorgan            Name: Barry Graving Dock            Operator Location: 150 Holborn, London            Boundary Accuracy: As Supplied            Provider Reference: EAHL14914            First Input Date: 1st January 1996            Last Input Date: 30th November 1996            Specified Waste: Deposited Waste included Industrial, Household and Special Waste            Type: Special Waste            EA Waste Ref: 30147            Regis Ref: WU1/L/ASS001            WRC Ref: 6950/0012            BGS Ref: Not Supplied            Other Ref: 61</p>	A19SW (NE)	728	2	312220 167405
59	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: BP Chemicals Limited            Location: Atlantic Trading Estate, Atlantic Crescent, Barry, South Glamorgan            Name: Barry Docks Area A and B            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHL14909            First Input Date: 31st December 1945            Last Input Date: 31st December 1994            Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste            Type: Special Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0008            BGS Ref: Not Supplied            Other Ref: 16</p>	A14SE (E)	927	2	312540 166917
60	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: BP Chemicals Limited            Location: Atlantic Trading Estate, Atlantic Crescent, Barry, South Glamorgan            Name: Barry Docks Area B            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHL14911            First Input Date: 31st December 1945            Last Input Date: 31st December 1994            Specified Waste: Deposited Waste included Industrial Waste            Type: Special Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0009            BGS Ref: Not Supplied            Other Ref: 8</p>	A14SE (E)	927	2	312540 166917
61	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Graving Dock            Licence Number: 30147            Location: Graving Docks Landfill, 1 &amp; 2 Dock, Off Cory Way, Barry Docks, Barry, Vale Of Glam, CF1 7QB            Licence Holder: Associated British Ports            Authority: Natural Resources Wales            Site Category: Other Landfill Sites Taking Special Waste            Max Input Rate: Large (Equal to or greater than 75,000 tonnes per year)  <b>Licence Status: Inactive</b>            Issued: 11th October 1994            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	A19SW (NE)	731	2	312225 167404

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Not Supplied Licence Number: 30147 Location: Not Supplied Licence Holder: Not Supplied Authority: Natural Resources Wales Site Category: Not Supplied Max Input Rate: Not Supplied <b>Licence Status: Inactive</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A19SW (NE)	731	2	312225 167404
63	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 30147 Location: 1 & 2 Dock Off Cory Way, Barry Docks, Barry, Glamorgan, CF1 7QB Operator Name: Associated British Ports Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Other Landfill Sites Taking Special Waste <b>Licence Status: Surrendered</b> Issued: 11th October 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 16th January 2006 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	886	2	312329 167525
64	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: BB3497FN Location: Channel View Aggregates, The Compound, Dock View Road, Barry, Vale of Glamorgan, CF63 4JP Operator Name: Channel View Aggregates Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Inert & excavation Waste TS + treatment <b>Licence Status: Effective</b> Issued: 20th November 2019 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	A19NW (NE)	916	2	312050 167807
	<b>Local Authority Landfill Coverage</b> Name: Vale Of Glamorgan County Borough Council - Has supplied landfill data		0	6	311607 166986
65	<b>Local Authority Recorded Landfill Sites</b> Location: Not Supplied Reference: 61 Authority: Vale Of Glamorgan County Borough Council <b>Last Reported Status: Not Supplied</b> Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A19SE (NE)	848	6	312300 167500
66	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A13NW (NW)	204	-	311415 167087
67	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A13SW (S)	313	-	311534 166665
68	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A18NW (N)	889	-	311600 167890
69	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12SW (W)	932	-	310684 166796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A13NW (N)	135	-	311574 167133
71	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A13SW (S)	155	-	311555 166823
72	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13SW (W)	227	-	311375 166937
73	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1901	A12SE (SW)	533	-	311128 166723
74	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A14SW (SE)	624	-	312165 166676
75	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17SE (NW)	707	-	311118 167518
76	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A18NE (N)	763	-	311724 167757
77	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A18NE (N)	778	-	311758 167766
78	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17SE (NW)	788	-	311082 167595
79	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17SW (NW)	831	-	310887 167430
80	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1901	A18NW (N)	858	-	311542 167856
81	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17SE (NW)	875	-	310953 167592
82	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17SW (NW)	882	-	310915 167558
83	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1901	A18NW (N)	907	-	311399 167885
84	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1901	A18NW (N)	938	-	311356 167906
85	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17SW (NW)	978	-	310850 167630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Associated British Ports Ltd            Licence Reference: 61            Site Location: Graving Docks 1 &amp; 2 And Barry No.1 Dock, Off Cory Way, Barry, South Glamorgan            Licence Easting: 312300            Licence Northing: 167500            Operator Location: 150 Holborn, LONDON, Greater London, EC1N 2LR            Authority: Environment Agency Wales, South East Area            Site Category: Landfill            Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)            Waste Source: Only waste produced on site            Restrictions:            Status: Site Closed            Dated: 11th October 1994            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Asbestos            Contaminated Soil            Max.Waste Permitted By Licence            Prohibited Waste: Liquid Wastes            Pcbs At &gt; 20 Ppm            Percussive/Explosive/Similar Waste            Special Wastes            Sub'S Control. Radioactive Subs Act'60            Waste N.O.S.            Wastes With Ph &lt; 5</p>	A19SE (NE)	848	4	312300 167500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	<p><b>Control of Major Accident Hazards Sites (COMAH)</b></p> <p>Name: Vopak Terminal Barry Ltd            Location: No 1 Dock, Hayes Road, BARRY, South Glamorgan, CF62 5XX            Reference: Not Supplied            Type: Upper Tier            Status: <b>Record Ceased To Be Supplied Under COMAH Regulations</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13NW (NW)	211	7	311491 167182
88	<p><b>Notification of Installations Handling Hazardous Substances (NIHHS)</b></p> <p>Name: Van Ommeren Tank Terminal Barry Ltd            Location: No1 Dock, BARRY, South Glamorgan, CF62 5XX            Status: <b>Not Active</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13NW (NW)	207	7	311491 167177
89	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Powell Duffryn Terminals Ltd            Location: Powell Duffryn House, Number 1 Dock, Barry, South Glamorgan, Cf63 4ab            Authority: Vale Of Glamorgan County Borough Council, Planning Department            Application Ref: 1992/01106/HAZ            Hazardous Substance: Ammonium nitrate based fertilisers which conform to the Fertilisers Regulations 1991(a) and composite fertilisers containing phosphate and/or potash (where nitrogen content is more than 28% by weight)            Maximum Quantity: 34011            Application date: 5th November 1992            Decision: <b>Deemed Consent Granted</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A13NW (NW)	282	8	311387 167187
89	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Powell Duffryn Terminals Ltd            Location: Powell Duffryn House, Dock No 1, BARRY, South Glamorgan, CF62 5XX            Authority: Vale Of Glamorgan County Borough Council, Planning Department            Application Ref: 1999/01002/HAZ            Hazardous Substance: Unknown at time of report            Maximum Quantity: 0            Application date: 2nd September 1999            Decision: <b>Deemed Consent Granted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13NW (NW)	286	8	311381 167186
90	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Van Ommeren Tank Terminal            Location: Barry            Authority: Vale Of Glamorgan County Borough Council, Planning Department            Application Ref: 97/0115/HAZ            Hazardous Substance: Methanol            Maximum Quantity: 0            Application date: Not Supplied            Decision: <b>Unknown at time of report</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A18SW (NW)	496	8	311401 167456



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Triassic Rocks (Undifferentiated)	A13SE (NW)	0	1	311607 166986
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (NW)	0	1	311607 166986
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	2	1	311595 166973
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (N)	60	1	311599 167061
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	87	1	311696 166941
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	92	1	311647 166885
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (N)	204	1	311574 167203

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NW (W)	268	1	311340 167070
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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:	A13SW (S)	322	1	311555 166652
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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:	A13SE (SE)	339	1	311877 166756
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (S)	344	1	311743 166651
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (SE)	370	1	311870 166703
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SW (SW)	374	1	311292 166758

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NW (NW)	383	1	311365 167304
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (SE)	405	1	311963 166765
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	580	1	311563 167580
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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:	A9NW (SE)	601	1	312073 166583
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	602	1	311439 167581
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (SE)	605	1	311922 166450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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:	A9NW (SE)	641	1	312083 166534
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (W)	651	1	310964 167146
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic no data Concentration: Cadmium <1.8 mg/kg Concentration: Chromium no data Concentration: Lead Concentration: <100 mg/kg Nickel no data Concentration:	A14SW (E)	669	1	312237 166727
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	681	1	312125 166520
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	696	1	310928 166789
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	716	1	310900 166815

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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:	A14SE (SE)	741	1	312282 166650
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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:	A8SE (SE)	746	1	311937 166298
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	776	1	311000 166478
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	785	1	310822 166861
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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:	A7SE (SW)	833	1	311122 166289
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	870	1	311226 167787

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	965	1	311206 167882
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	974	1	310625 166972
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	982	1	310648 166726
91	<b>BGS Recorded Mineral Sites</b> Site Name: Barry Island Sand Pit Location: Barry Island, Barry, South Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 161239 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Blown Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8NW (S)	328	1	311545 166648
92	<b>BGS Recorded Mineral Sites</b> Site Name: Barry Dock Location: Barry Docks, Barry, South Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 10850 Type: Wharf <b>Status: Ceased</b> Operator: British Dredging Aggregates Ltd Operator Location: Not Supplied Periodic Type: Quaternary Geology: Marine Deposits Commodity: Marine Sand And Gravel Positional Accuracy: Located by supplier to within 10m	A14SW (E)	647	1	312250 166850
93	<b>BGS Recorded Mineral Sites</b> Site Name: Barry Harbour Location: Barry Harbour, Barry, South Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 66911 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: St Mary'S Well Bay Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A12SW (W)	997	1	310620 166785
	<b>BGS Measured Urban Soil Chemistry</b> No data available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Mining Instability</b> Mining Evidence: Inconclusive Metaliferous Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (NW)	0	-	311607 166986
	<b>Man-Made Mining Cavities</b> Easting: 311500 Northing: 167000 Distance: 99 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: W Cavity Type: Possible Metaliferous Mining-Details Unknown Commodity: Not Supplied Solid Geology Detail: PENARTH GROUP Superficial Geology No Details Detail:	A13NW (W)	99	9	311500 167000
	<b>Natural Cavities</b> Easting: 311870 Northing: 166160 Distance: 850 Quadrant Reference: A8 Quadrant Reference: SE Bearing Ref: S Cavity Type: Sea Cave x 1 Solid Geology Detail: Carboniferous Limestone Supergroup, Lower Carboniferous Limestone, Upper Carboniferous Limestone Superficial Geology No Details Detail:	A8SE (S)	850	9	311870 166160
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	311607 166986
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	112	1	311592 167112
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	152	1	311591 166820
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	311607 166986
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	60	1	311599 167061
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	176	1	311533 166808
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	204	1	311574 167203
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	311607 166986
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	2	1	311595 166973
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	311607 166986
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	50	1	311608 166921



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	92	1	311647 166885
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	149	1	311717 166863
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	176	1	311455 166871
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	198	1	311469 166822
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	204	1	311818 166998
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	204	1	311574 167203
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	219	1	311754 166803
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	225	1	311374 166975
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	311607 166986
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	60	1	311599 167061
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	176	1	311533 166808
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	204	1	311574 167203
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	311607 166986
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	2	1	311595 166973
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	60	1	311599 167061
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	87	1	311696 166941
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	92	1	311647 166885
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	311607 166986
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	311607 166986

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	<b>Contemporary Trade Directory Entries</b> Name: Assault Systems Location: The Tunnel, Station Approach Road, Barry, CF62 5TH Classification: Gunsmiths <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SE (SE)	311	-	311885 166818
95	<b>Contemporary Trade Directory Entries</b> Name: Vale Clean Location: 5, Redbrink Crescent, Barry, South Glamorgan, CF62 5TT Classification: Carpet, Curtain & Upholstery Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (E)	337	-	311950 166942
96	<b>Contemporary Trade Directory Entries</b> Name: Marine Garage Location: Redbrink Crescent, Barry, CF62 5TT Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (E)	359	-	311957 166863
96	<b>Contemporary Trade Directory Entries</b> Name: L D H Motors Location: Workshop Rear of Redbrink Cres, Barry, South Glamorgan, CF62 5TT Classification: Brake & Clutch Service Centres <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (E)	359	-	311961 166880
97	<b>Contemporary Trade Directory Entries</b> Name: Asda Petrol Location: Ffordd Y Mileniwm, Barry, South Glamorgan, CF62 5AT Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A12NE (W)	443	-	311176 167134
98	<b>Contemporary Trade Directory Entries</b> Name: Sunshine Cleaning Services Location: 2, Paget Road, Barry, South Glamorgan, CF62 5TQ Classification: Commercial Cleaning Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	482	-	311304 166591
99	<b>Contemporary Trade Directory Entries</b> Name: Asda Location: Ffordd Y Mileniwm, Barry, South Glamorgan, CF62 5AT Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	492	-	311192 167278
100	<b>Contemporary Trade Directory Entries</b> Name: Binding G J Sons Boat Props Hirers Location: 64, Redbrink Crescent, Barry, South Glamorgan, CF62 5TU Classification: Marine Engineering Equipment Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	495	-	312054 166743
101	<b>Contemporary Trade Directory Entries</b> Name: C & G Energy Ltd Location: 1, Rhodfa Sweldon, BARRY, South Glamorgan, CF62 5AD Classification: Boilers - Servicing, Replacements & Repairs <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	607	-	311395 167572
101	<b>Contemporary Trade Directory Entries</b> Name: Vale Letterbox Location: Rhodfa Sweldon, Barry, South Glamorgan, CF62 5AD Classification: Distribution Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	650	-	311402 167620
102	<b>Contemporary Trade Directory Entries</b> Name: Black Tab Motorcycle Clothing Location: 12 Paget Road, Barry, South Glamorgan, CF62 5TQ Classification: Cycle Accessories, Manufacturers & Wholesalers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	612	-	311190 166516
103	<b>Contemporary Trade Directory Entries</b> Name: Caerphilly Cleaning Location: Flat 9, Glan y Mor, Y Rhodfa, Barry, South Glamorgan, CF63 4BB Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SE (NE)	647	-	311938 167561

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	<b>Contemporary Trade Directory Entries</b> Name: Caring Coaches & Hawthorn Travel Location: Windward Building, Number 2 Dock, Docks, Barry, CF62 5QS Classification: Bus & Coach Operators & Stations <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	709	-	312298 166783
104	<b>Contemporary Trade Directory Entries</b> Name: Barry Tankwash Ltd Location: Docks, Barry, South Glamorgan, CF62 5QS Classification: Tank Cleaning & Repairing <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	722	-	312310 166779
104	<b>Contemporary Trade Directory Entries</b> Name: Associated British Ports Location: Barry Pilot Station, Docks, Barry, CF62 5QS Classification: Ports, Docks & Harbours <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	740	-	312326 166768
104	<b>Contemporary Trade Directory Entries</b> Name: Ray Harris Marine (1984) Ltd Location: Docks, Barry, South Glamorgan, CF62 5QS Classification: Boatbuilders & Repairers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	741	-	312327 166768
104	<b>Contemporary Trade Directory Entries</b> Name: Spud Sails Location: Docks, Barry, South Glamorgan, CF62 5QS Classification: Sailmakers & Repairers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	741	-	312327 166768
105	<b>Contemporary Trade Directory Entries</b> Name: Arrow Cleaning Services Location: Business Service Centre, Hood Road, Docks, Barry, South Glamorgan, CF62 5QN Classification: Commercial Cleaning Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	714	-	311105 167517
105	<b>Contemporary Trade Directory Entries</b> Name: Tigers Global Logistics Location: Business Service Centre, Hood Road, Docks, Barry, CF62 5QN Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	714	-	311105 167517
106	<b>Contemporary Trade Directory Entries</b> Name: G M Plumbing & Heating Location: 28, Romanza, Cei Dafydd, Barry, South Glamorgan, CF63 4BH Classification: Boilers - Servicing, Replacements & Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19SW (NE)	727	-	312095 167546
107	<b>Contemporary Trade Directory Entries</b> Name: Morrisons Petrol Station Location: Heol Ceiniog, Barry, South Glamorgan, CF63 4BA Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	750	-	311653 167750
107	<b>Contemporary Trade Directory Entries</b> Name: Morrisons Petrol Station Location: Heol Ceiniog, Barry, CF63 4BA Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	752	-	311656 167752
108	<b>Contemporary Trade Directory Entries</b> Name: Your Pictures 2 Canvas Location: 2, Cwrt Edward, BARRY, South Glamorgan, CF62 5AS Classification: Photographic Processors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	761	-	311174 167632

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	<b>Contemporary Trade Directory Entries</b> Name: Howe Motors Ltd Location: Powell Duffryn Way, Docks, Barry, South Glamorgan, CF62 5QR Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	777	-	310907 167355
110	<b>Contemporary Trade Directory Entries</b> Name: New Broad Street Motors Location: Broad Street, Barry, South Glamorgan, CF62 7AJ Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NW (NW)	831	-	311281 167769
110	<b>Contemporary Trade Directory Entries</b> Name: New Broad Street Motors Location: Broad Street, Barry, South Glamorgan, CF62 7AJ Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NW (NW)	831	-	311281 167769
110	<b>Contemporary Trade Directory Entries</b> Name: Selclene Location: 96, Broad Street, Barry, South Glamorgan, CF62 7AG Classification: Cleaning Services - Domestic <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	872	-	311288 167816
110	<b>Contemporary Trade Directory Entries</b> Name: Maid In Wales Location: 96, Broad Street, Barry, South Glamorgan, CF62 7AG Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	872	-	311288 167816
111	<b>Contemporary Trade Directory Entries</b> Name: I J P Automotive Ltd Location: Central Garage, Broad Street, Barry, CF62 7AH Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	841	-	311403 167819
111	<b>Contemporary Trade Directory Entries</b> Name: Automasters Location: Central Garage, Broad Street, Barry, CF62 7AH Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	841	-	311403 167819
111	<b>Contemporary Trade Directory Entries</b> Name: Central Garage Location: Broad Street, Barry, South Glamorgan, CF62 7AH Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	850	-	311403 167828
112	<b>Contemporary Trade Directory Entries</b> Name: Birch Motors Location: Broad Street, Barry, CF62 7AJ Classification: Car Dealers - Used <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	851	-	310995 167601
113	<b>Contemporary Trade Directory Entries</b> Name: GriffS Garage Ltd Location: Broad Street, Barry, CF62 7AD Classification: Car Breakdown & Recovery Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	856	-	310901 167496
113	<b>Contemporary Trade Directory Entries</b> Name: Vinylize Printing & Embroidery Location: 21-22, Broad Street, Barry, CF62 7AD Classification: T-Shirts <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	896	-	310880 167536
114	<b>Contemporary Trade Directory Entries</b> Name: Caterite Ltd Location: 3, Subway Road, Barry, South Glamorgan, CF63 4QT Classification: Catering Equipment <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	861	-	312132 167689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	<b>Contemporary Trade Directory Entries</b> Name: Drycleaning Centre Location: 13, Broad Street Parade, Barry, CF62 7AN Classification: Dry Cleaners <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	881	-	310833 167437
115	<b>Contemporary Trade Directory Entries</b> Name: The White Wash Location: 14, Broad Street Parade, Barry, South Glamorgan, CF62 7AN Classification: Laundries & Launderettes <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	882	-	310827 167428
115	<b>Contemporary Trade Directory Entries</b> Name: Jaycee Designs Location: 9, Broad Street, Barry, South Glamorgan, CF62 7AA Classification: Soft Furnishings - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	927	-	310801 167472
116	<b>Contemporary Trade Directory Entries</b> Name: Griffs Garage Ltd Location: Broad Street, Barry, South Glamorgan, CF62 7AD Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned in the proximity of the address	A17SE (NW)	886	-	310950 167604
116	<b>Contemporary Trade Directory Entries</b> Name: Section-59 Ltd Location: 111, High Street, Barry, South Glamorgan, CF62 7DT Classification: Car Customisation & Conversion Specialists <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	919	-	310958 167659
116	<b>Contemporary Trade Directory Entries</b> Name: Electro Mend Location: 109, High Street, Barry, South Glamorgan, CF62 7DT Classification: Domestic Appliances - Servicing, Repairs & Parts <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	921	-	310948 167652
116	<b>Contemporary Trade Directory Entries</b> Name: Aspirations Uk Location: 104, High Street, Barry, CF62 7DS Classification: Furniture Manufacturers - Home & Office <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	926	-	310912 167622
117	<b>Contemporary Trade Directory Entries</b> Name: Sims Garage Location: Trinity Street, Barry, CF62 7EU Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	898	-	311072 167728
117	<b>Contemporary Trade Directory Entries</b> Name: R T J Systems Location: 127, High Street, Barry, CF62 7DT Classification: Engineering Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	912	-	311045 167725
118	<b>Contemporary Trade Directory Entries</b> Name: South Wales Service Stations Ltd Location: Broad Street, Barry, South Glamorgan, CF62 7AE Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	900	-	310781 167376
119	<b>Contemporary Trade Directory Entries</b> Name: F J Tyres Location: College Road, Barry, South Glamorgan, CF62 8BE Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	901	-	311363 167870
120	<b>Contemporary Trade Directory Entries</b> Name: Gary Watson Motor Company Location: Broad Street, BARRY, South Glamorgan, CF62 7AE Classification: Car Dealers - Used <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	905	-	310751 167317

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Firefireplaces            Location: 99-100, High Street, Barry, South Glamorgan, CF62 7DS            Classification: Gas Appliances - Sales &amp; Service  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	931	-	310888 167603
121	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cwtch Cleaning Carpet &amp; Oven Specialists            Location: The Cwtch, Barry, South Glamorgan, CF62 9EU            Classification: Carpet, Curtain &amp; Upholstery Cleaners  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A17SW (NW)	943	-	310879 167610
122	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Hinds Garages Ltd            Location: Dock View Road, Barry, South Glamorgan, CF63 4JP            Classification: Garage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	937	-	312121 167790
123	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Positive Images Ltd            Location: 123, Broad Street, Barry, CF62 7AL            Classification: T-Shirts  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	938	-	311538 167937
123	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Burch Car Sales            Location: Broad Street, Barry, South Glamorgan, CF62 7AL            Classification: Car Dealers - Used  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A18NW (N)	955	-	311490 167949
124	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Hillary'S Blinds Ltd            Location: Telephone Exchange, Dock View Road, Barry, South Glamorgan, CF63 4UF            Classification: Blinds, Awnings &amp; Canopies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	941	-	311985 167867
125	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Illuminaires            Location: 86, High Street, Barry, South Glamorgan, CF62 7DX            Classification: Electrical Goods Sales, Manufacturers &amp; Wholesalers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	944	-	310821 167535
125	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: D J P Autos            Location: 85, High Street, Barry, South Glamorgan, CF62 7DX            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	946	-	310815 167531
126	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: House Beautiful Cleaning Services            Location: St. Pauls Av, Barry, South Glamorgan, CF62 8HT            Classification: Cleaning Services - Domestic  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A17NE (NW)	948	-	311166 167844
127	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: O'Donovans Hardware            Location: 76, High Street, Barry, South Glamorgan, CF62 7DW            Classification: Hardware  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	960	-	310774 167493
127	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: 21st Century Marketing            Location: 70, High Street, Barry, South Glamorgan, CF62 7DW            Classification: Copying &amp; Duplicating Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	971	-	310746 167466
127	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Classic Iron Trading Co            Location: 70, High Street, Barry, South Glamorgan, CF62 7DW            Classification: Wrought Ironwork  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	971	-	310746 167466



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	<b>Contemporary Trade Directory Entries</b> Name: Allsta Motors Location: Market Street, Barry, CF62 7AS Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	974	-	310725 167431
127	<b>Contemporary Trade Directory Entries</b> Name: Sparkles Cleaning Services Wales & West Ltd Location: 15 Market Street, Barry, South Glamorgan, CF62 7AS Classification: Cleaning Services - Domestic <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	986	-	310722 167452
128	<b>Contemporary Trade Directory Entries</b> Name: S J B Complete Cleaning Location: 9, Fryatt Street, Barry, South Glamorgan, CF63 4JU Classification: Carpet, Curtain & Upholstery Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	981	-	312030 167890
129	<b>Contemporary Trade Directory Entries</b> Name: J Jones & Son Dairies Ltd Location: Dock View rd, Barry, South Glamorgan, CF63 4JP Classification: Dairies <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	983	-	312176 167808
130	<b>Contemporary Trade Directory Entries</b> Name: A P C Wales Location: 35, Coronation Street, Barry, South Glamorgan, CF63 4JW Classification: Concrete Products <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	991	-	312106 167862
131	<b>Contemporary Trade Directory Entries</b> Name: Full Throttle Classic Motorcycle Repairs Location: 17, Greenwood Street, Barry, South Glamorgan, CF63 4JJ Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	993	-	311685 167992
131	<b>Contemporary Trade Directory Entries</b> Name: D R L Motorcycles Location: 17 Greenwood Street, Barry, South Glamorgan, CF63 4JJ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	993	-	311685 167992
132	<b>Contemporary Trade Directory Entries</b> Name: La Qualita Location: 11, High Street, Barry, South Glamorgan, CF62 7DZ Classification: Leather Garments & Products <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	994	-	310755 167526
133	<b>Fuel Station Entries</b> Name: Asda Barry Automat Location: Fford Y Mileniwm , , Barry, The Vale Of Glamorgan, CF62 5AT Brand: Asda Premises Type: Hypermarket <b>Status: Open</b> Positional Accuracy: Manually positioned to the address or location	A12NE (W)	443	-	311176 167134
134	<b>Fuel Station Entries</b> Name: Morrisons Barry Location: Ffordd Y Mileniwm , Waterfront , Barry, The Vale Of Glamorgan, CF63 1BA Brand: Morrisons Premises Type: Hypermarket <b>Status: Open</b> Positional Accuracy: Manually positioned to the address or location	A18NE (N)	755	-	311671 167754
135	<b>Fuel Station Entries</b> Name: Central Garage Location: Broad Street , , Barry, The Vale Of Glamorgan, CF62 7AH Brand: Obsolete Premises Type: Not Applicable <b>Status: Obsolete</b> Positional Accuracy: Manually positioned to the address or location	A18NW (N)	850	-	311403 167828



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	<b>Fuel Station Entries</b> Name: Gary Watson Motors Location: Broad Street , , Barry, The Vale Of Glamorgan, CF62 7AA Brand: Unbranded Premises Type: Not Applicable Status: <b>Obsolete</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	901	-	310780 167376
137	<b>Points of Interest - Commercial Services</b> Name: Tigers Global Logistics Location: Business Service Centre, Hood Road, Docks, Barry, CF62 5QN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	714	10	311105 167516
138	<b>Points of Interest - Commercial Services</b> Name: Car Wash Location: Ffordd Y Mileniwm, Waterfront, Barry, South Glamorgan, CF63 1BA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18NE (N)	755	10	311671 167754
138	<b>Points of Interest - Commercial Services</b> Name: Morrisons Barry Location: Ffordd Y Mileniwm, Waterfront, Barry, CF63 1BA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18NE (N)	770	10	311638 167771
138	<b>Points of Interest - Commercial Services</b> Name: Morrisons Car Wash Location: Penny Way, Barry, CF63 4BA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18NE (N)	770	10	311637 167771
139	<b>Points of Interest - Commercial Services</b> Name: I J P Automotive Ltd Location: Central Garage, Broad Street, Barry, CF62 7AH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	841	10	311403 167818
139	<b>Points of Interest - Commercial Services</b> Name: Automasters Location: Automaster Central Garage, Broad Street, Barry, CF62 7AH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	845	10	311402 167822
139	<b>Points of Interest - Commercial Services</b> Name: Central Garage Barry Location: Broad Street, Barry, CF62 7AH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	850	10	311403 167828
140	<b>Points of Interest - Commercial Services</b> Name: Griff's Garage Ltd Location: Broad Street, Barry, CF62 7AD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	866	10	310893 167502
141	<b>Points of Interest - Commercial Services</b> Name: Sims Location: Trinity Street, Barry, CF62 7EU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	898	10	311073 167728
141	<b>Points of Interest - Commercial Services</b> Name: Sims Garage Location: Trinity Street, Barry, CF62 7EU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	898	10	311072 167728
142	<b>Points of Interest - Commercial Services</b> Name: Groupe Samat UK Ltd Location: Atlantic Way, Barry, CF63 3RA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	909	10	312503 167188

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	<b>Points of Interest - Commercial Services</b> Name: Central Garage Ltd Location: 121 Broad Street, Barry, CF62 7AL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	919	10	311494 167914
144	<b>Points of Interest - Commercial Services</b> Name: Hinds Garages Ltd Location: Dock View Road, Barry, CF63 4JP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	937	10	312121 167790
144	<b>Points of Interest - Commercial Services</b> Name: Hinds Garages Ltd Location: Dock View Road, Barry, CF63 4JP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	937	10	312121 167789
145	<b>Points of Interest - Commercial Services</b> Name: Allsta Motors Location: Market Street, Barry, CF62 7AS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	964	10	310751 167459
145	<b>Points of Interest - Commercial Services</b> Name: Allsta Motors Location: Market Street, Barry, CF62 7AS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	970	10	310730 167431
145	<b>Points of Interest - Commercial Services</b> Name: B W Autos Location: Regans Garage, Broad Street, Barry, CF62 7BG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	995	10	310692 167410
146	<b>Points of Interest - Commercial Services</b> Name: Full Throttle Classic Motorcycle Repairs Location: 17 Greenwood Street, Barry, CF63 4JJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	993	10	311685 167992
146	<b>Points of Interest - Commercial Services</b> Name: D R L Motorcycles Location: 17 Greenwood Street, Barry, CF63 4JJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	993	10	311685 167992
147	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	110	10	311629 167110
147	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	113	10	311649 167109
147	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	120	10	311668 167109
147	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	122	10	311631 167122

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	182	10	311676 167173
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	120	10	311596 167121
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	121	10	311558 167114
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	132	10	311520 167106
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	152	10	311595 167153
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	163	10	311461 167088
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	164	10	311546 167156
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	166	10	311522 167148
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	169	10	311563 167166
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	170	10	311491 167132
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	174	10	311548 167167
148	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	191	10	311450 167120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	153	10	311737 167092
149	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	174	10	311720 167140
149	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	198	10	311771 167122
149	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	217	10	311774 167148
149	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	229	10	311801 167134
149	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	239	10	311804 167147
150	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	188	10	311707 166807
151	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	215	10	311391 167056
152	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	225	10	311813 167106
152	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	248	10	311851 167075
152	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	249	10	311827 167131
152	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	254	10	311844 167110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	257	10	311841 167121
153	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	275	10	311324 166997
153	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	277	10	311322 167010
154	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	372	10	311244 166862
154	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	406	10	311204 166879
155	<b>Points of Interest - Manufacturing and Production</b> Name: Business Centre Location: CF62 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	722	10	311087 167510
156	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF63 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	817	10	312401 167221
156	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF63 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	824	10	312401 167244
156	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF63 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	864	10	312455 167197
157	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	822	10	310790 167149
158	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	824	10	311326 167778
158	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	825	10	311319 167777

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	827	10	311324 167781
159	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CF62 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	859	10	310940 166421
160	<b>Points of Interest - Public Infrastructure</b> Name: Barry Island Rail Station Location: Station Approach Road, CF62 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A13SW (SW)	306	10	311477 166691
160	<b>Points of Interest - Public Infrastructure</b> Name: Barry Island Station Location: Station Approach Road, CF62 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A13SW (SW)	306	10	311477 166691
161	<b>Points of Interest - Public Infrastructure</b> Name: Asda Barry Automat Location: Fford, Y Mileniwm, Barry, CF62 5AT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (W)	443	10	311176 167134
161	<b>Points of Interest - Public Infrastructure</b> Name: Asda Petrol Location: Ffordd Y Mileniwm, Barry, CF62 5AT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (W)	443	10	311176 167134
162	<b>Points of Interest - Public Infrastructure</b> Name: Asda Petrol Location: Ffordd y Mileniwm, Barry, CF62 5AT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	493	10	311192 167279
163	<b>Points of Interest - Public Infrastructure</b> Name: Outfall Location: CF62 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	594	10	311073 166695
163	<b>Points of Interest - Public Infrastructure</b> Name: Outfall Location: CF62 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	609	10	311058 166693
164	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Works Location: CF62 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12SW (W)	682	10	310920 166908
164	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Works Location: CF62 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	711	10	310890 166916
165	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Pumping Station Location: CF62 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	721	10	312052 166398



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	<b>Points of Interest - Public Infrastructure</b> Name: Morrisons Petrol Station Location: Heol Ceiniog, Barry, CF63 4BA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18NE (N)	755	10	311671 167754
166	<b>Points of Interest - Public Infrastructure</b> Name: Morrisons Barry Location: Ffordd Y Mileniwm, Waterfront, Barry, CF63 1BA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18NE (N)	755	10	311671 167754
167	<b>Points of Interest - Public Infrastructure</b> Name: Outfall Location: CF62 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	891	10	310715 166859
167	<b>Points of Interest - Public Infrastructure</b> Name: Outfall Location: CF62 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	897	10	310709 166858
168	<b>Points of Interest - Public Infrastructure</b> Name: South Wales Service Stations Ltd Location: Broad Street, Barry, CF62 7AE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	900	10	310781 167376
168	<b>Points of Interest - Public Infrastructure</b> Name: Coppins Motors Ltd Location: Broad Street, Barry, South Glamorgan, CF62 7AE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (W)	919	10	310739 167324
168	<b>Points of Interest - Public Infrastructure</b> Name: GB Oils Bartax Location: Rear of 3, Broad Street, Barry, CF62 7AA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	937	10	310773 167442
169	<b>Points of Interest - Public Infrastructure</b> Name: Barry Rail Station Location: Broad Street, CF62 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12NW (W)	908	10	310715 167209
169	<b>Points of Interest - Public Infrastructure</b> Name: Barry Station Location: Broad Street, CF62 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12NW (W)	908	10	310715 167209
170	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Amherst Crescent, CF62 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SE (SE)	32	10	311644 166958
170	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	49	10	311662 166958
171	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	148	10	311599 166823



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Playground            Location: Plymouth Road, CF62            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to address or location</p>	A13SW (S)	148	10	311601 166823
172	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Playground            Location: Not Supplied            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A14SW (E)	435	10	312033 166853
172	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Playground            Location: Earl Crescent, CF62            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A14SW (E)	435	10	312033 166852
173	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Play Area            Location: CF62            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A12SE (W)	470	10	311132 166921
174	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Play Area            Location: CF62            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A7NE (SW)	556	10	311232 166554
175	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Playground            Location: Not Supplied            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A18NW (N)	775	10	311334 167729
175	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Playground            Location: (Heol Gwendoline), CF62            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to address or location</p>	A18NW (N)	779	10	311332 167732
176	<p><b>Points of Interest - Recreational and Environmental</b></p> <p>Name: Play Area            Location: CF63            Category: Recreational            Class Code: Playgrounds            Positional Accuracy: Positioned to an adjacent address or location</p>	A19NW (NE)	797	10	311972 167714

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	<p><b>Sites of Special Scientific Interest</b></p> <p>Name: Barry Island            Multiple Areas: Y            Total Area (m2): 150715.01            Source: Natural Resources Wales            Reference: 68033wva            Designation Details: Geological            Designation Date: 1st January 1958            Date Type: Notified</p>	A9NW (SE)	526	2	312000 166613

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Vale Of Glamorgan County Borough Council - Environmental Health Department Natural Resources Wales	January 2020 June 2020	Annual Rolling Update Annually
<b>Discharge Consents</b> Environment Agency - Welsh Region Natural Resources Wales	August 2014 November 2020	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Welsh Region	March 2013	Annual Rolling Update
<b>Integrated Pollution Controls</b> Environment Agency - Welsh Region	October 2008	Variable
<b>Integrated Pollution Prevention And Control</b> Natural Resources Wales Environment Agency - Welsh Region	December 2020 October 2020	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Vale Of Glamorgan County Borough Council - Environmental Health Department	June 2014	Variable
<b>Local Authority Pollution Prevention and Controls</b> Vale Of Glamorgan County Borough Council - Environmental Health Department	June 2014	Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Vale Of Glamorgan County Borough Council - Environmental Health Department	June 2014	Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	October 2020	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Welsh Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
<b>Registered Radioactive Substances</b> Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually
<b>Substantiated Pollution Incident Register</b> Natural Resources Wales Environment Agency Wales - South East Area	November 2020 October 2020	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Welsh Region Natural Resources Wales	January 2021 November 2020	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Natural Resources Wales Environment Agency - Welsh Region	November 2020 October 2017	Quarterly Quarterly
<b>Groundwater Vulnerability Map</b> Natural Resources Wales	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Natural Resources Wales	January 2018	Annually
<b>Superficial Aquifer Designations</b> Natural Resources Wales	January 2018	Annually
<b>Source Protection Zones</b> Natural Resources Wales	November 2016	Annual Rolling Update
<b>Extreme Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	August 2018	Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	September 2020	Quarterly
<b>Areas Benefiting from Flood Defences</b> Natural Resources Wales	November 2019	Quarterly
<b>Flood Water Storage Areas</b> Natural Resources Wales	August 2019	Quarterly
<b>Flood Defences</b> Natural Resources Wales	November 2019	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	September 2020	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Natural Resources Wales	October 2013	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Natural Resources Wales	October 2013	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Natural Resources Wales	October 2013	Annually
<b>Surface Water Suitability</b> Natural Resources Wales	October 2013	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Natural Resources Wales	July 2017	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Welsh Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency Wales - South East Area Natural Resources Wales	October 2020 October 2020	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Natural Resources Wales Environment Agency Wales - South East Area	November 2020 October 2020	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Vale Of Glamorgan County Borough Council	May 2000	Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Vale Of Glamorgan County Borough Council	May 2000	Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency Wales - South East Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency Wales - South East Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency Wales - South East Area	March 2003	Not Applicable




<b>Hazardous Substances</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Vale Of Glamorgan County Borough Council - Planning Department	January 2016	Variable
<b>Planning Hazardous Substance Consents</b> Vale Of Glamorgan County Borough Council - Planning Department	January 2016	Variable
<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	October 2020	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	September 2020	Quarterly
<b>Gas Pipelines</b> National Grid	January 2021	
<b>Points of Interest - Commercial Services</b> PointX	December 2020	Quarterly
<b>Points of Interest - Education and Health</b> PointX	December 2020	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	December 2020	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	December 2020	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	December 2020	Quarterly
<b>Underground Electrical Cables</b> National Grid	August 2020	

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural Resources Wales	August 2018	Bi-Annually
<b>Areas of Adopted Green Belt</b> Vale Of Glamorgan County Borough Council	June 2020	As notified
<b>Areas of Unadopted Green Belt</b> Vale Of Glamorgan County Borough Council	June 2020	As notified
<b>Areas of Outstanding Natural Beauty</b> Natural Resources Wales	June 2019	Bi-Annually
<b>Environmentally Sensitive Areas</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Vale Of Glamorgan County Borough Council	August 2018	Bi-Annually
<b>Marine Nature Reserves</b> Natural Resources Wales	August 2018	Bi-Annually
<b>National Nature Reserves</b> Natural Resources Wales	June 2019	Bi-Annually
<b>National Parks</b> Natural Resources Wales	August 2018	Annually
<b>Nitrate Vulnerable Zones</b> Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
<b>Ramsar Sites</b> Natural Resources Wales	July 2019	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural Resources Wales	March 2020	Bi-Annually
<b>Special Areas of Conservation</b> Natural Resources Wales	August 2020	Bi-Annually
<b>Special Protection Areas</b> Natural Resources Wales	August 2018	Bi-Annually



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	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Natural Resources Wales</b> Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	<b>Vale Of Glamorgan County Borough Council - Environmental Health Department</b> Civic Offices, Holton Road, Barry, CF63 4RU	Telephone: 01446 700111 Fax: 01446 745566 Website: www.valeofglamorgan.gov.uk
4	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	<b>Vale Of Glamorgan County Borough Council</b> Civic Offices, Holton Road, Barry, South Glamorgan, CF63 4RU	Telephone: 01446 700111 Fax: 01446 745566 Website: www.valeofglamorgan.gov.uk
7	<b>Health and Safety Executive</b> 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	<b>Vale Of Glamorgan County Borough Council - Planning Department</b> Dock Offices, Barry Docks, Barry, South Glamorgan, CF63 4RT	Telephone: 01446 700111 Fax: 01446 745566 Website: www.valeofglamorgan.gov.uk
9	<b>Stantec UK Ltd</b> Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
10	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk




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

## 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

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD	Tidal Flat Deposits	Clay, Silt and Sand	Not Supplied - Holocene
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	BSA	Blown Sand	Sand	Not Supplied - Quaternary
	MBD	Marine Beach Deposits	Sand and Gravel	Not Supplied - Quaternary
	STOB	Storm Beach Deposits	Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	ALF	Alluvial Fan Deposits	Gravel, Sand, Silt and Clay	Not Supplied - Quaternary
	ALF	Alluvial Fan Deposits	Gravel, Sand, Silt and Clay	Not Supplied - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LVN	Lavernock Shales Member	Mudstone	Not Supplied - Hettangian
	LVN	Lavernock Shales Member	Mudstone	Not Supplied - Hettangian
	PO	Porthkerry Member	Limestone and Mudstone, Interbedded	Not Supplied - Hettangian
	STM	St Mary's Well Bay Member	Limestone and Mudstone, Interbedded	Not Supplied - Rhaetian
	PNG	Penarth Group	Mudstone and Limestone, Interbedded	Not Supplied - Rhaetian
	PNLI	Penarth Group and Lias Group (Undifferentiated)	Mudstone	Not Supplied - Rhaetian
	BAN	Blue Anchor Formation	Mudstone	Not Supplied - Norian
	MMG	Mercia Mudstone Group	Mudstone	Not Supplied - Early Triassic

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MMMF	Mercia Mudstone Group (Marginal Facies)	Conglomerate	Not Supplied - Triassic
	FPL	Friars Point Limestone Formation	Limestone	Not Supplied - Tournaisian
	BHL	Barry Harbour Limestone Formation	Limestone	Not Supplied - Tournaisian
	AVO	Avon Group	Limestone and Mudstone, Interbedded	Not Supplied - Tournaisian
	CCM	Cwmyniscoy Mudstone Formation	Mudstone and Limestone, Interbedded	Not Supplied - Tournaisian
	BHL	Barry Harbour Limestone Formation	Dolomitised Limestone and Dolomite	Not Supplied - Tournaisian
	BRL	Black Rock Limestone Subgroup	Limestone	Not Supplied - Tournaisian
	CCL	Castell Coch Limestone Formation	Limestone, Ooidal	Not Supplied - Tournaisian
	TGW	Tongwynlais Formation	Limestone and Mudstone, Interbedded	Not Supplied - Tournaisian
	QCG	Quartz Conglomerate Group (South Wales)	Sandstone and Conglomerate, Interbedded	Not Supplied - Famennian
		Faults		



Geotechnical & Geoenvironmental Specialists

### Geology 1:50,000 Maps

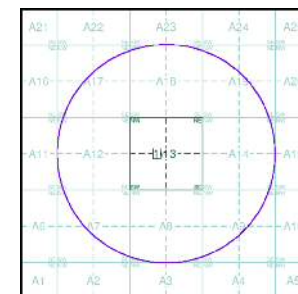
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	263
Map Name:	Cardiff
Map Date:	1988
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:

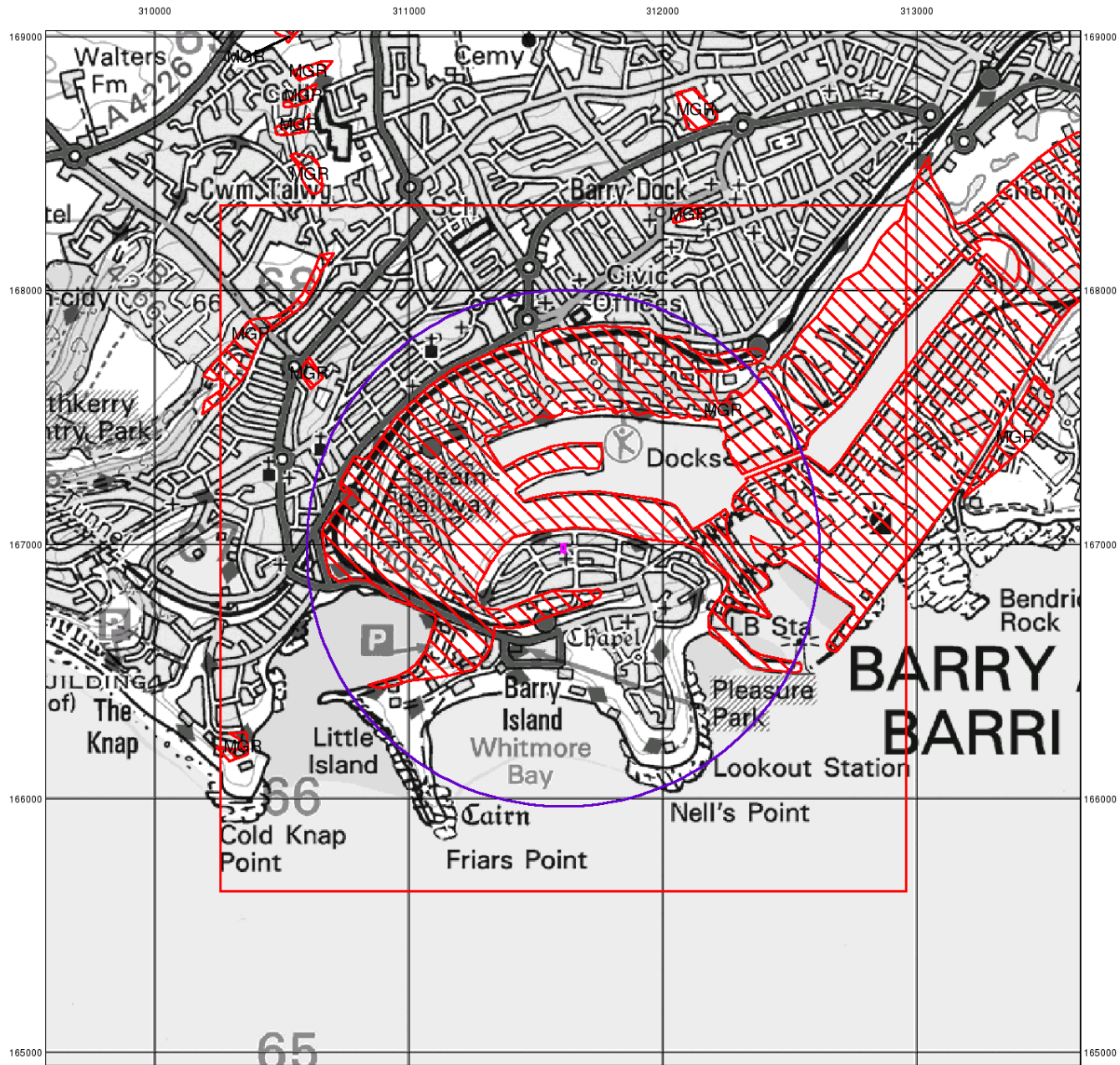
Order Number:	272991217_1_1
Customer Reference:	CP16393
National Grid Reference:	311610, 166990
Site:	A
Site Area (Ha):	0.05
Search Buffer (m):	1000

### Site Details:

Bethany, Archer Road, BARRY, CF62 5UH



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



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### Artificial Ground and Landslip

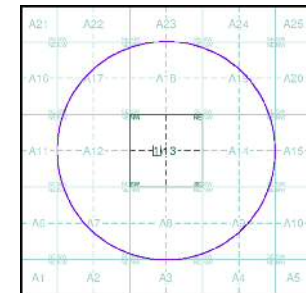
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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: 272991217\_1\_1  
 Customer Reference: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

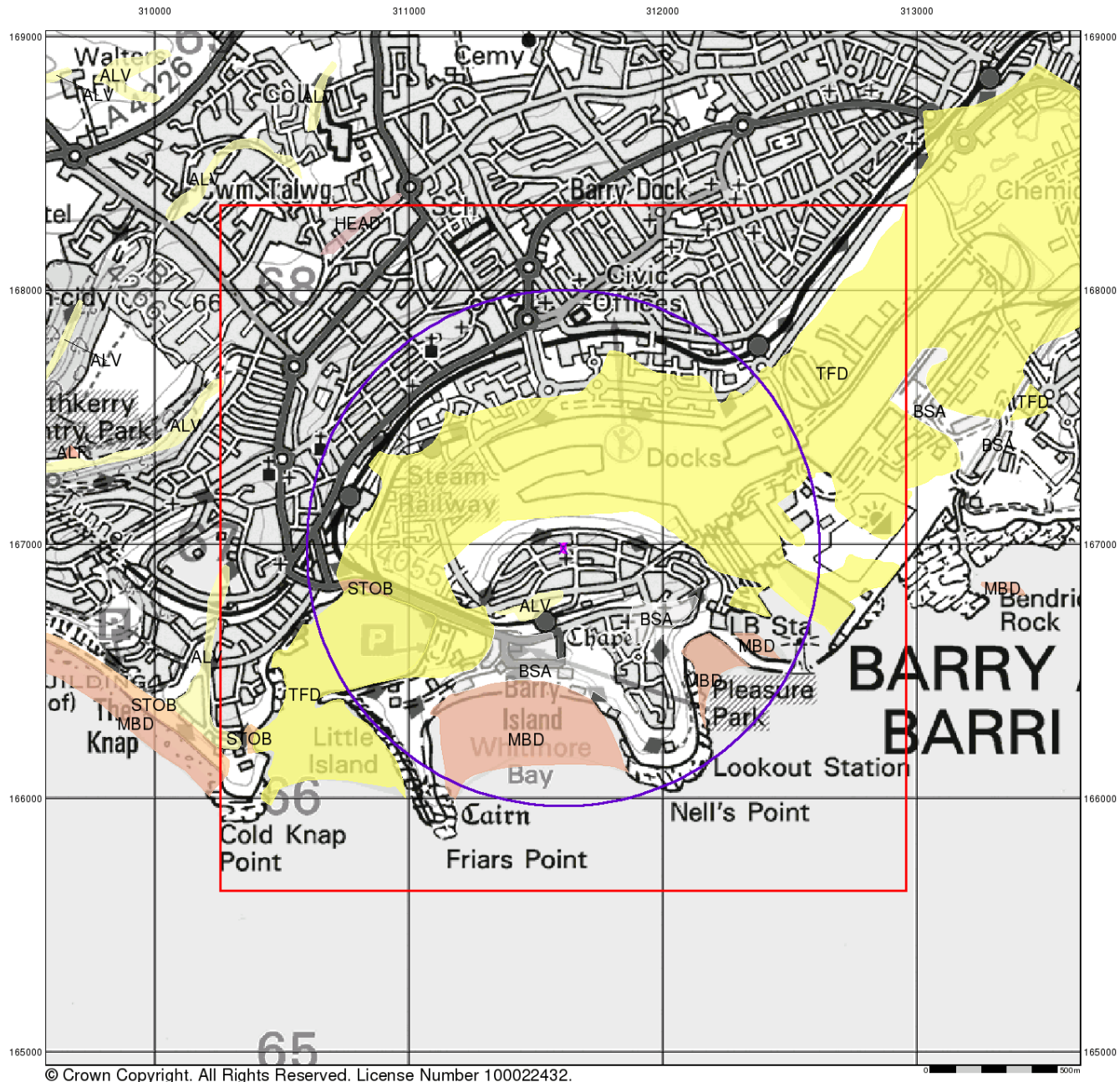
#### Site Details:

Bethany, Archer Road, BARRY, CF62 5UH



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





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Geotechnical & Geoenvironmental Specialists

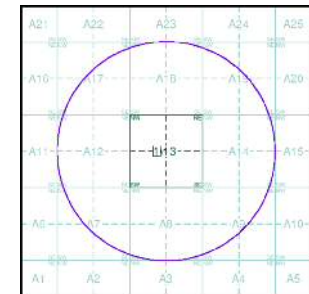
### Superficial Geology

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:

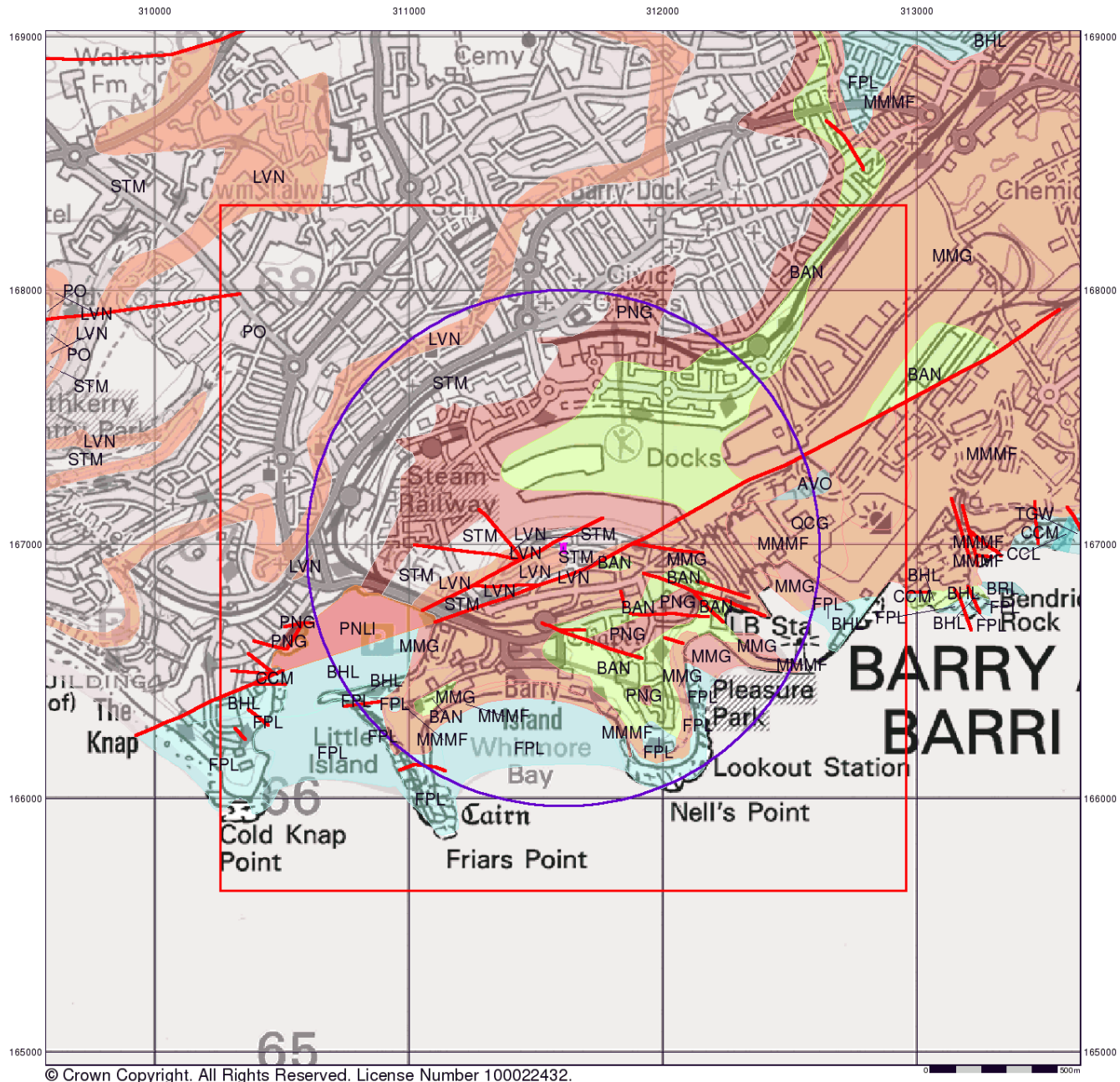
Order Number: 272991217\_1\_1  
 Customer Reference: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

#### Site Details:

Bethany, Archer Road, BARRY, CF62 5UH



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### Bedrock and Faults

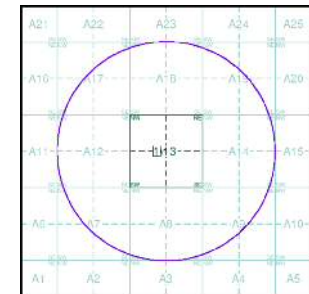
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

### Bedrock and Faults Map - Slice A



### Order Details:

Order Number: 272991217\_1\_1  
 Customer Reference: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

### Site Details:

Bethany, Archer Road, BARRY, CF62 5UH

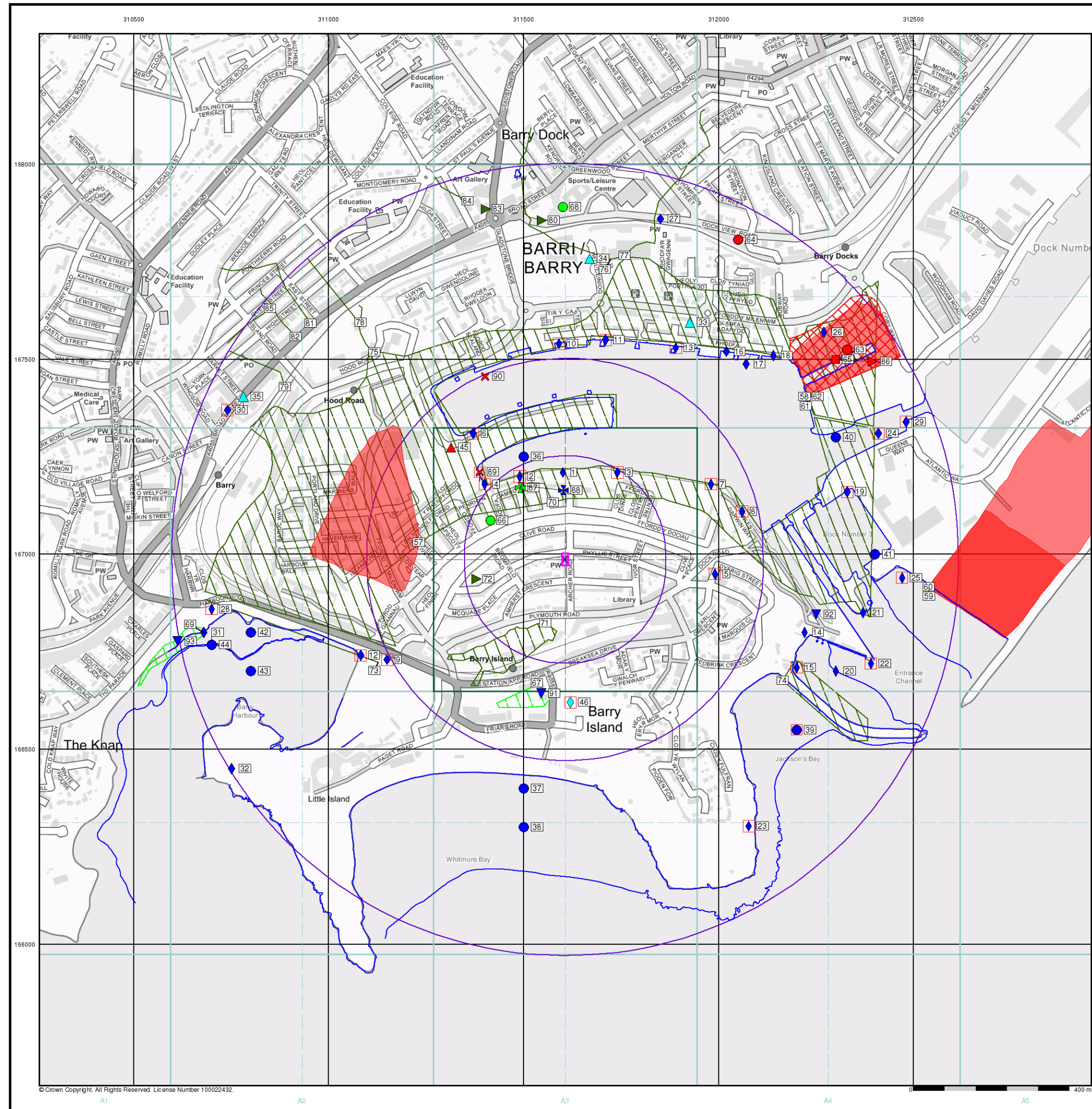


Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



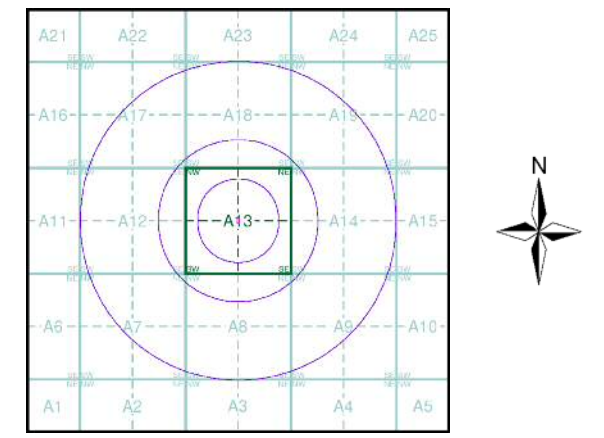






- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
  - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site

**Site Sensitivity Map - Slice A**



**Order Details**

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

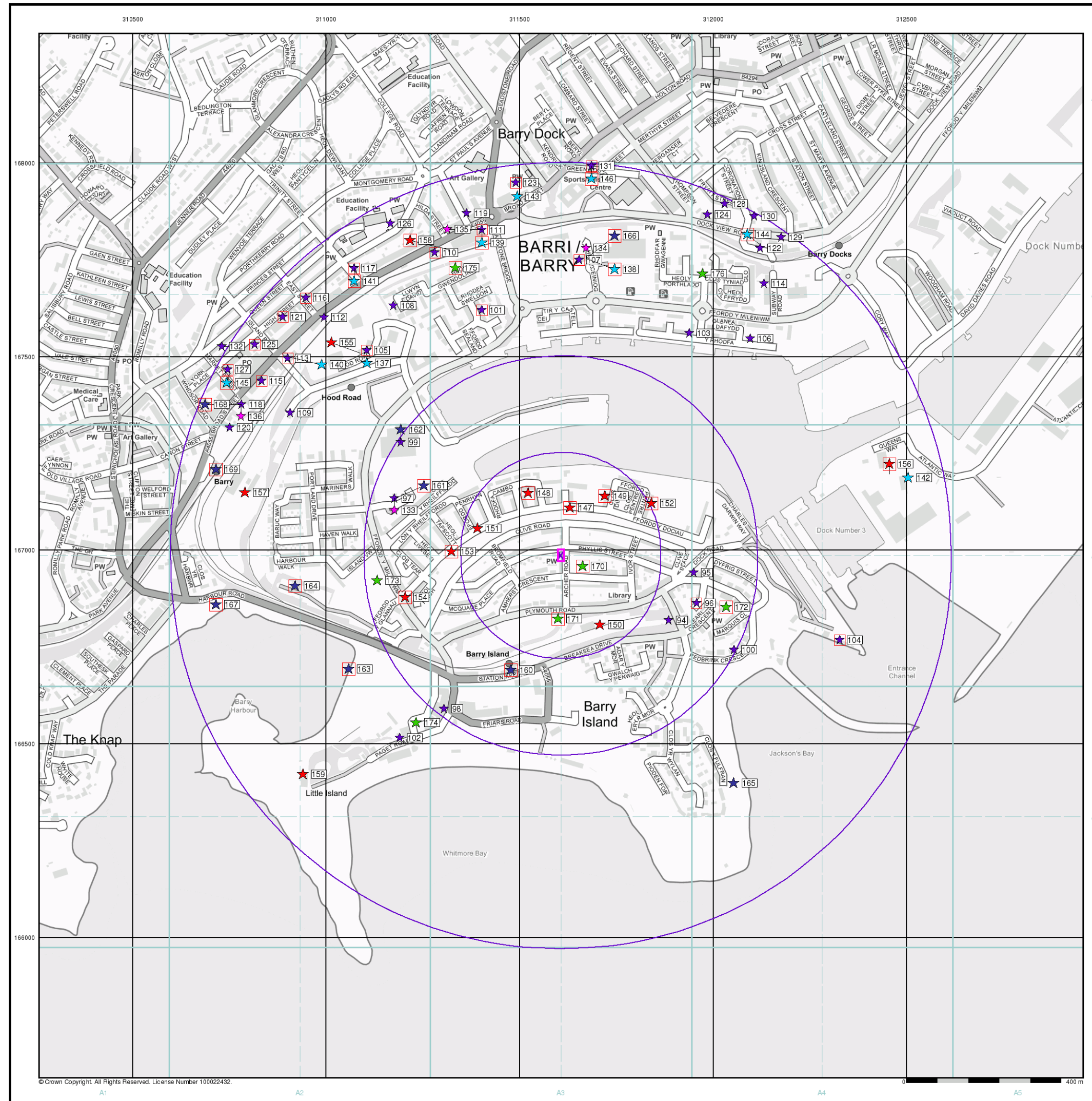
**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH

**Landmark**  
 INFORMATION GROUP

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

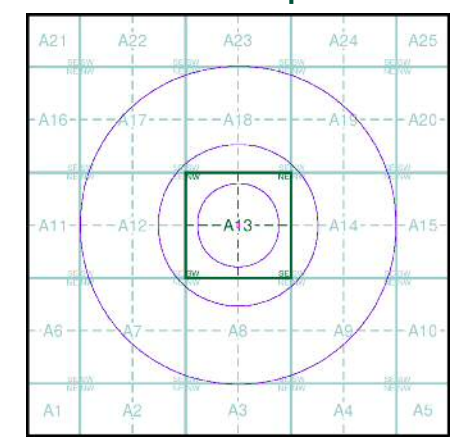




- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID

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

**Industrial Land Use Map - Slice A**



**Order Details**

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000






**Site Details**  
 Bethany, Archer Road, BARRY, CF62 5UH



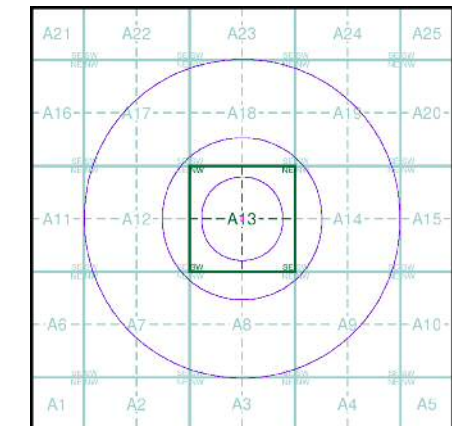
**General**

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

**Agency and Hydrological (Flood)**

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

**Flood Map - Slice A**

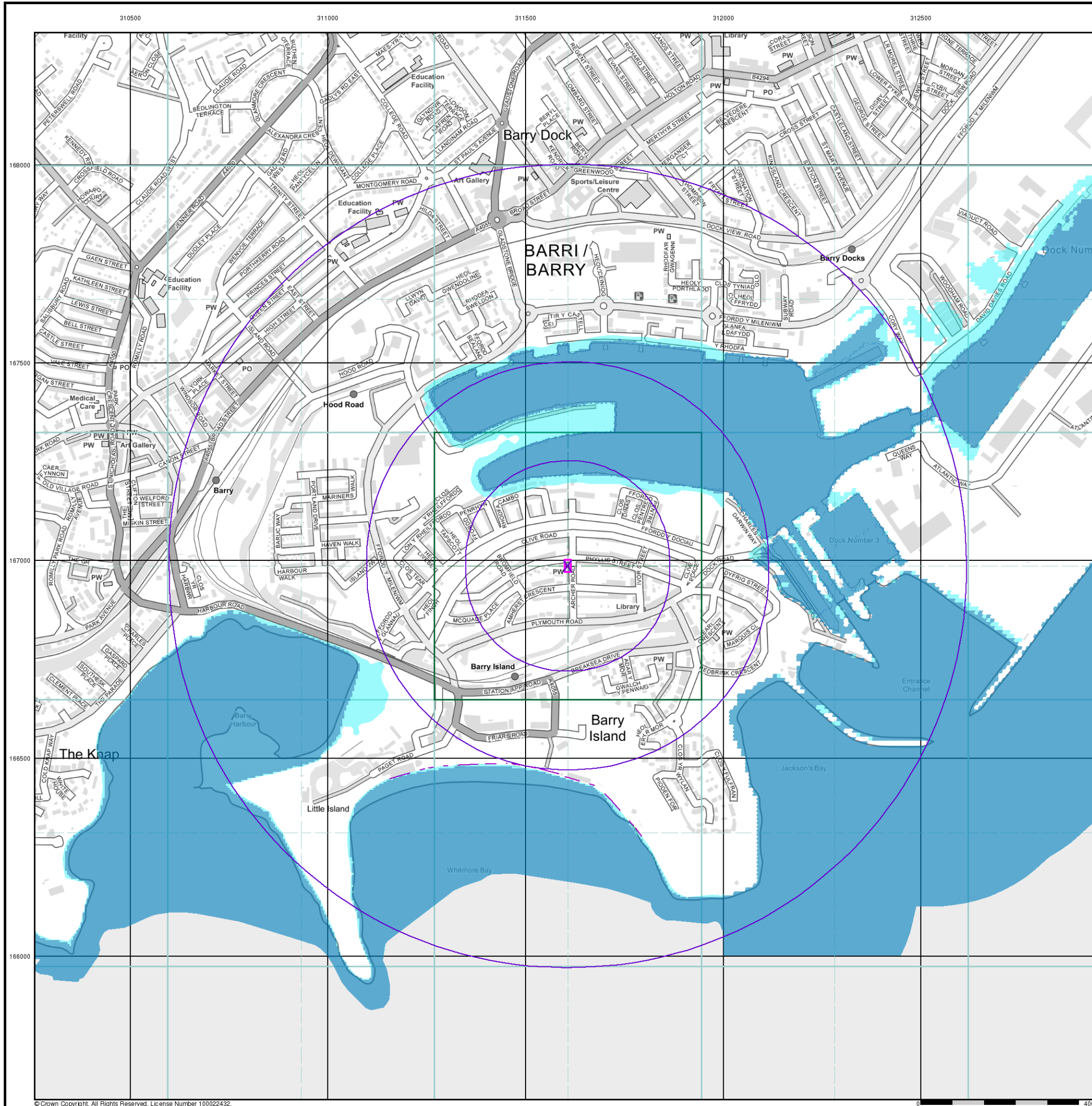


**Order Details**

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000






**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH










**General**

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

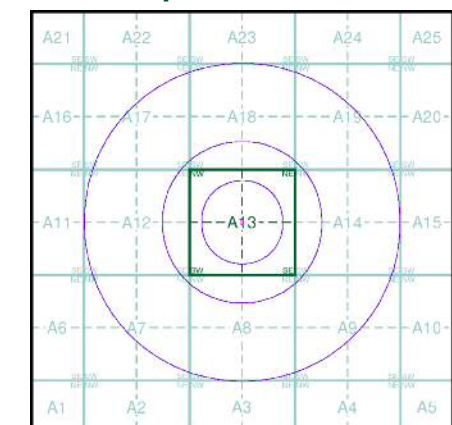
**Agency and Hydrological (Boreholes)**

-  BGS Borehole Depth 0 - 10m
-  BGS Borehole Depth 10 - 30m
-  BGS Borehole Depth 30m +
-  Confidential
-  Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

**Borehole Map - Slice A**

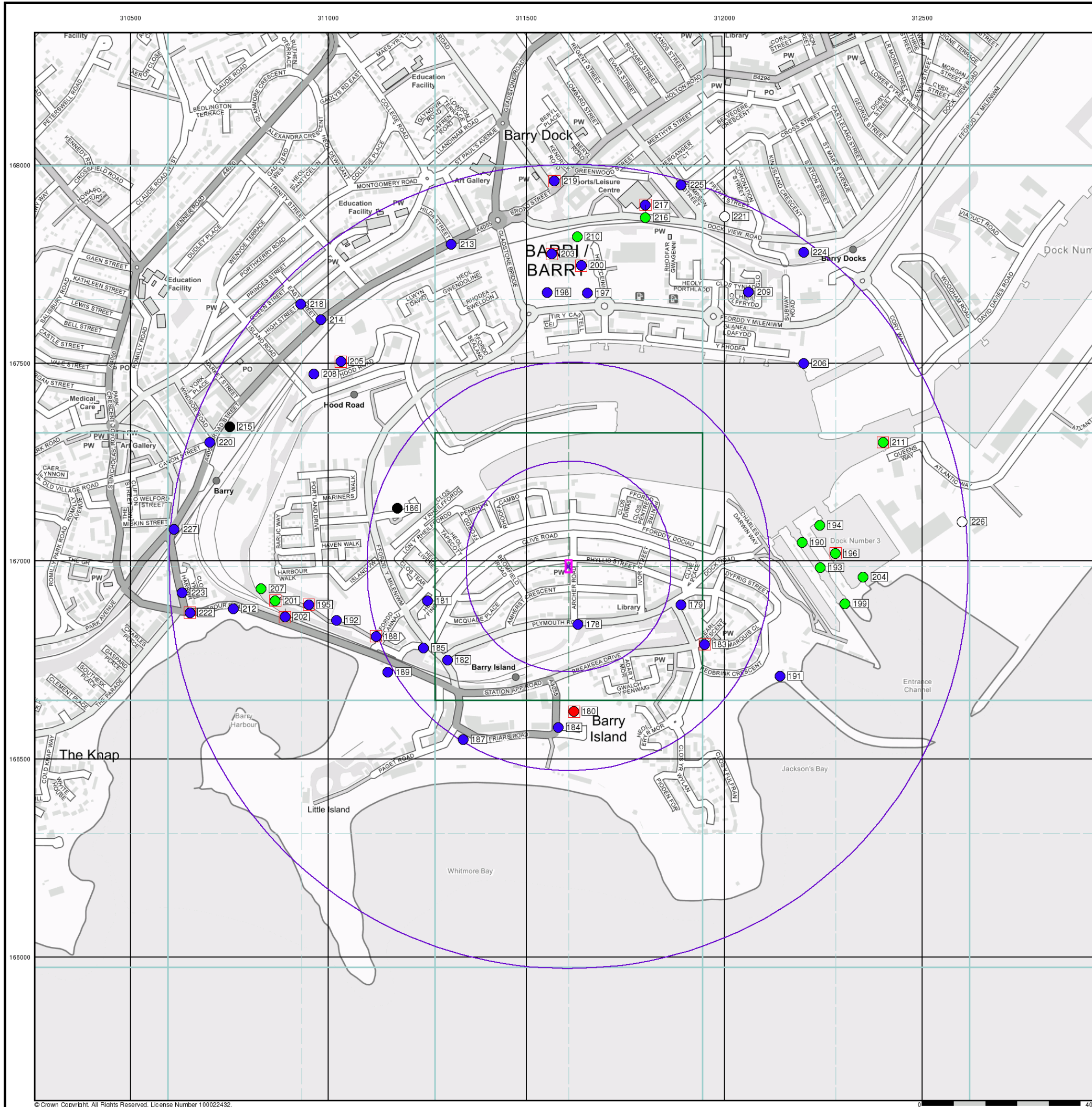


**Order Details**

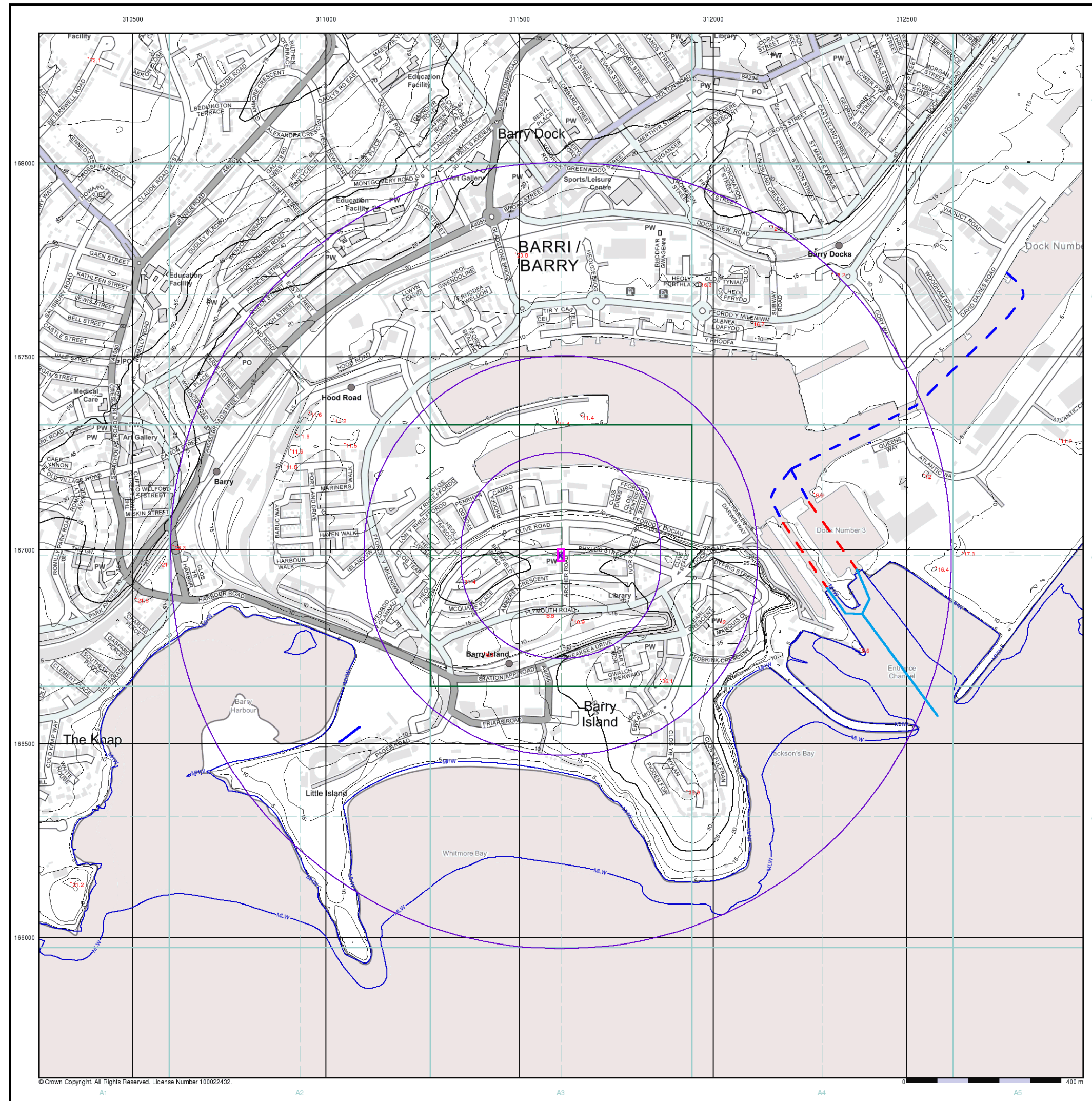
Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH





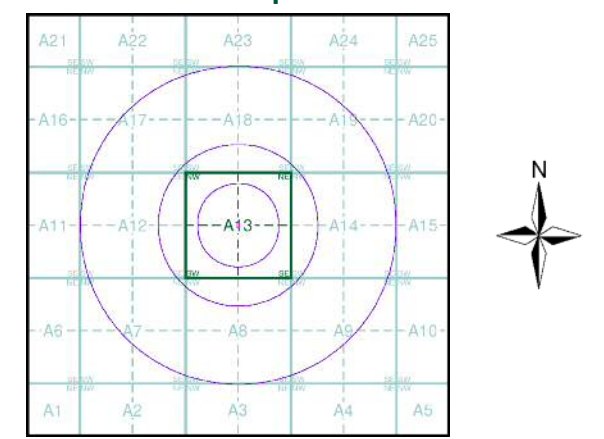


- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point

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

- Contours (height in meters)**
- Standard Contour 105 MLW Mean Low Water
- Master Contour 100 MHW Mean High Water
- Spot Height 167.3

**OS Water Network Map - Slice A**



**Order Details**




Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH



**General**

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

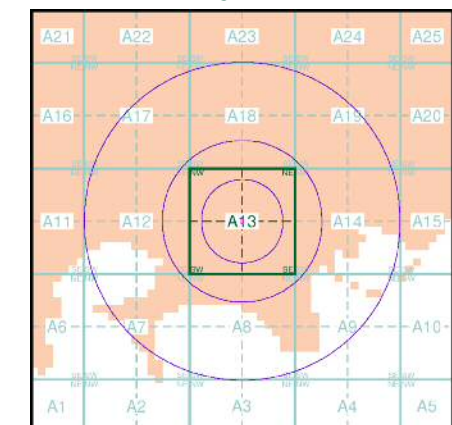
**Risk of Flooding from Surface Water**

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

**Suitability**

- See the suitability map below
-  National to county
  -  County to town
  -  Town to street
  -  Street to parcels of land
  -  Property

**EANRW Suitability Map - Slice A**

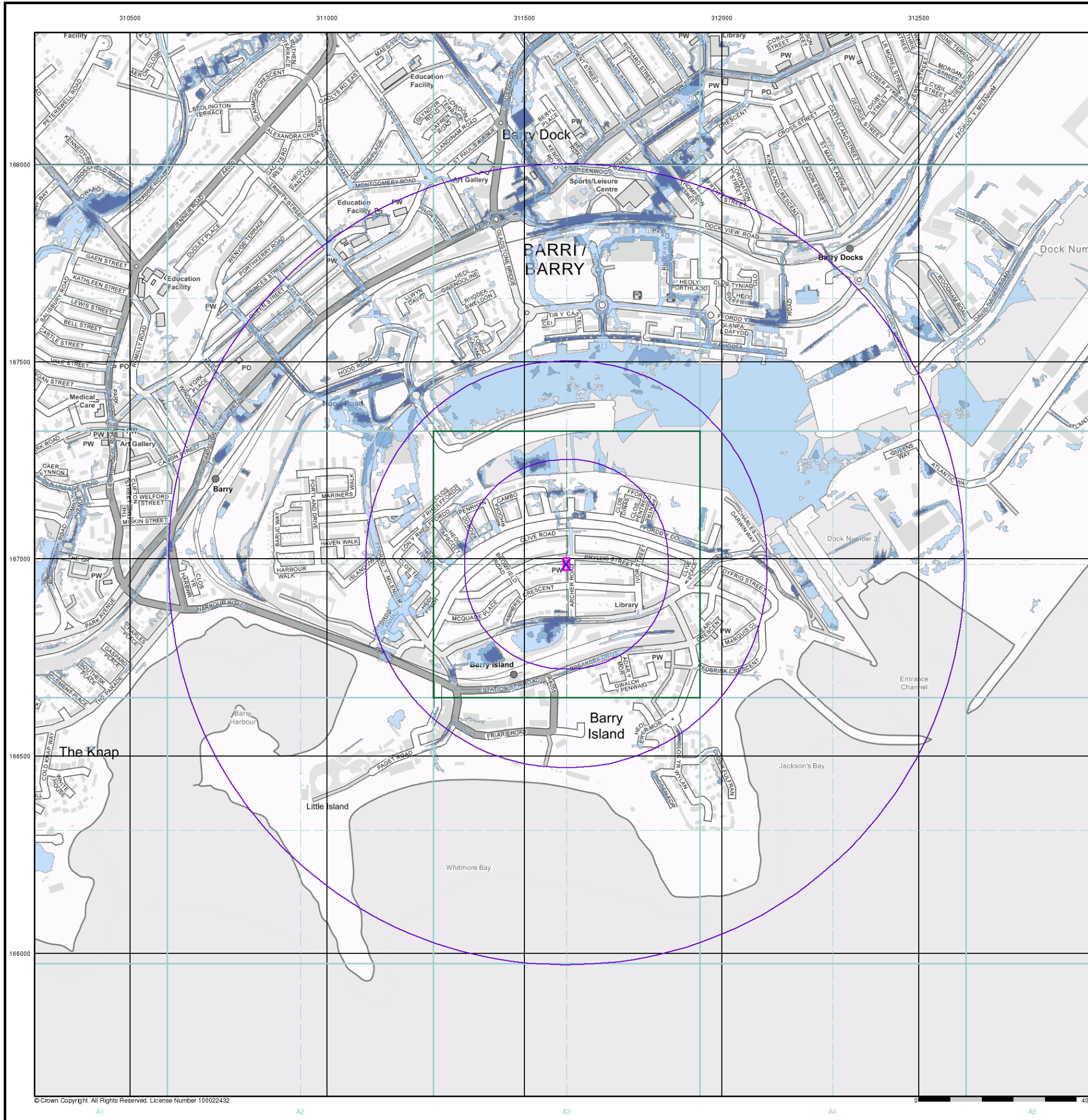


**Order Details**

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH



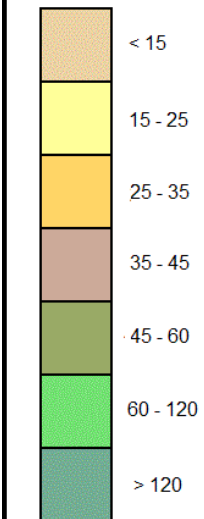


**General**

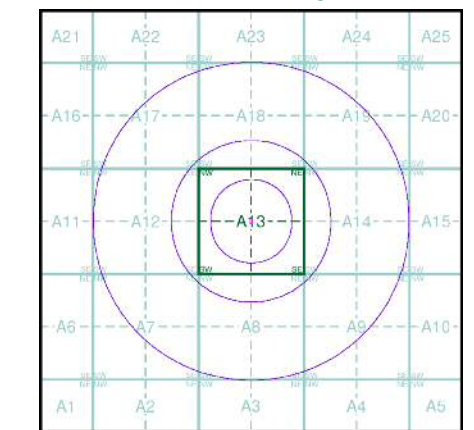
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice A**

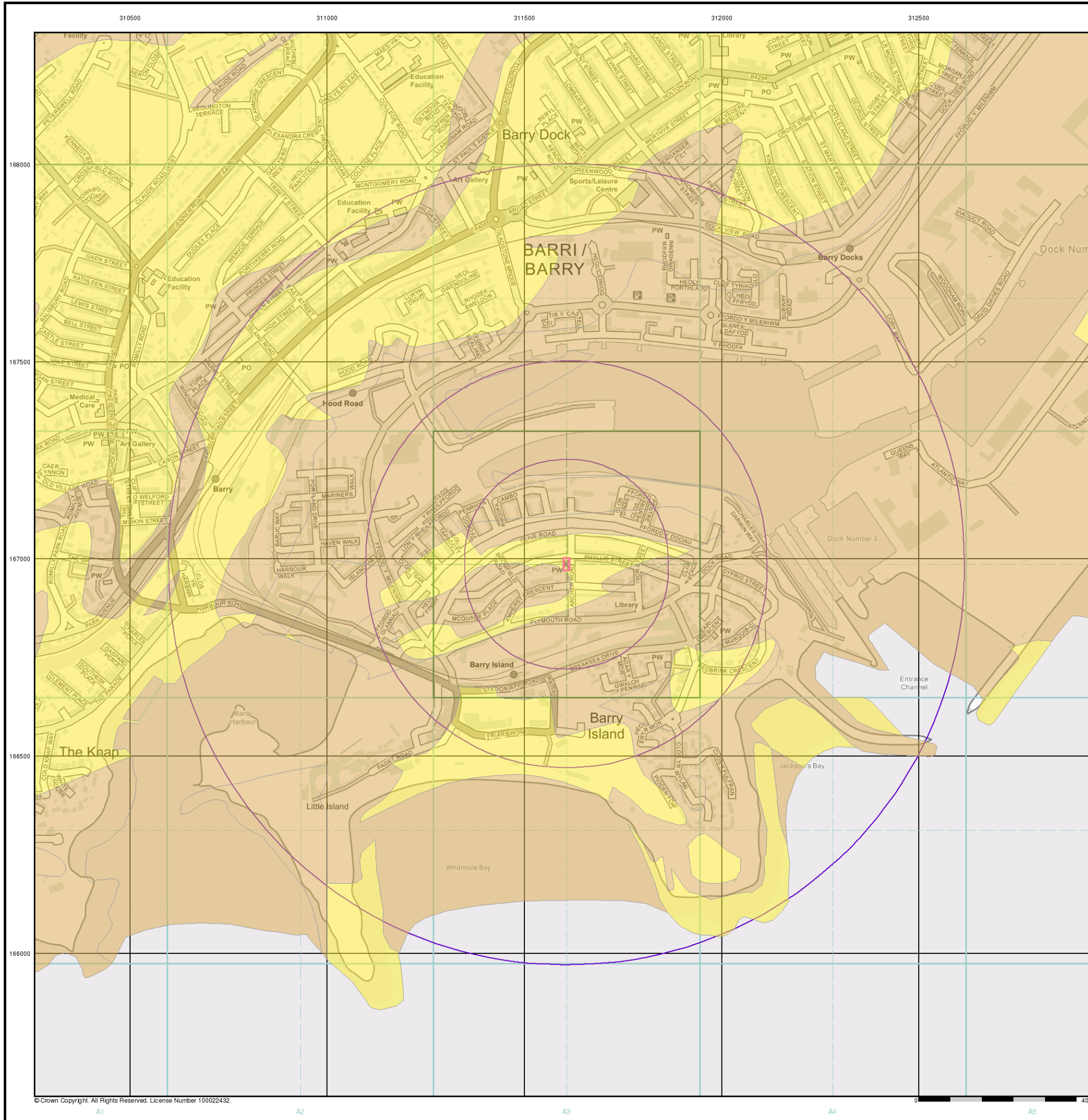


**Order Details**

Order Details: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH



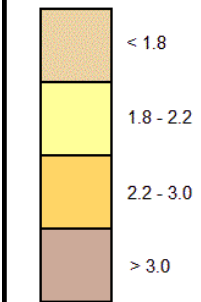


**General**

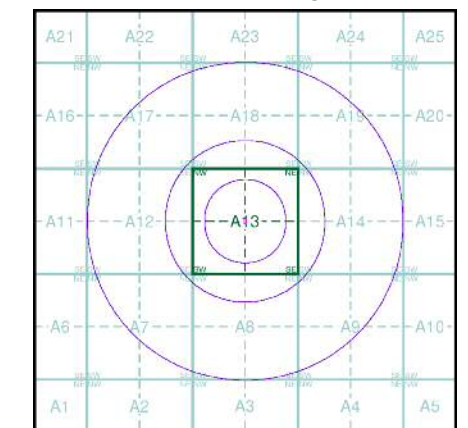
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice A**

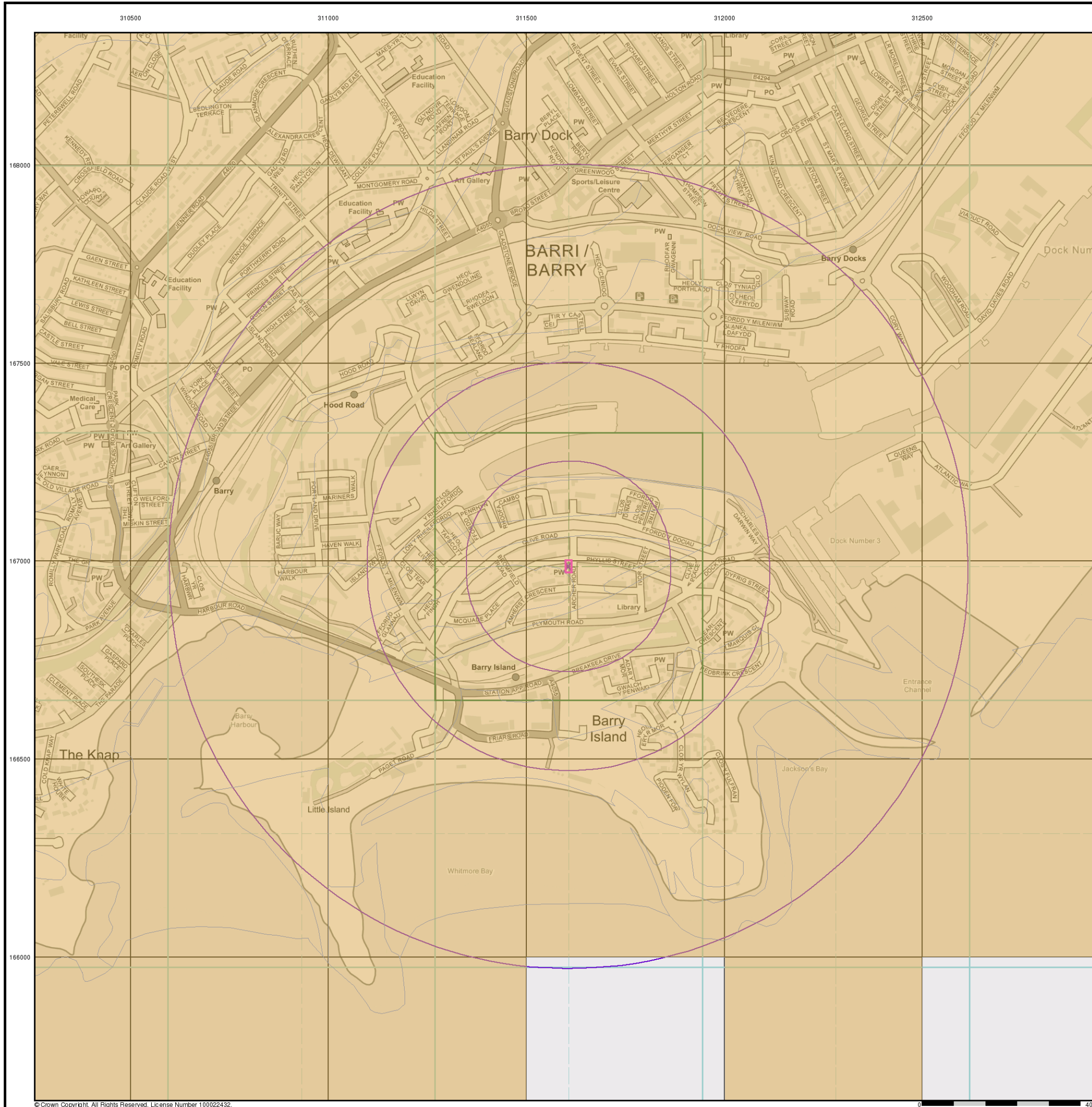


**Order Details**

Order Details: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH



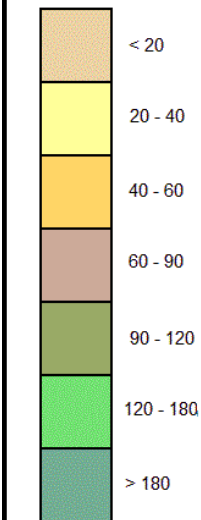


**General**

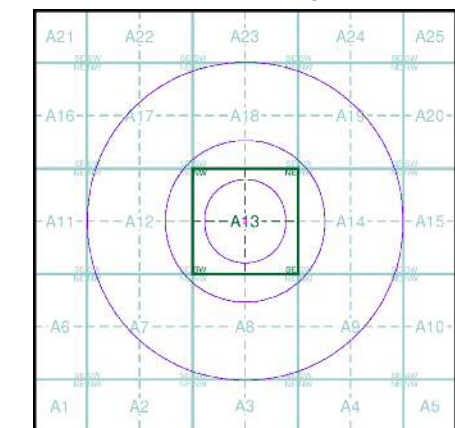
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice A**

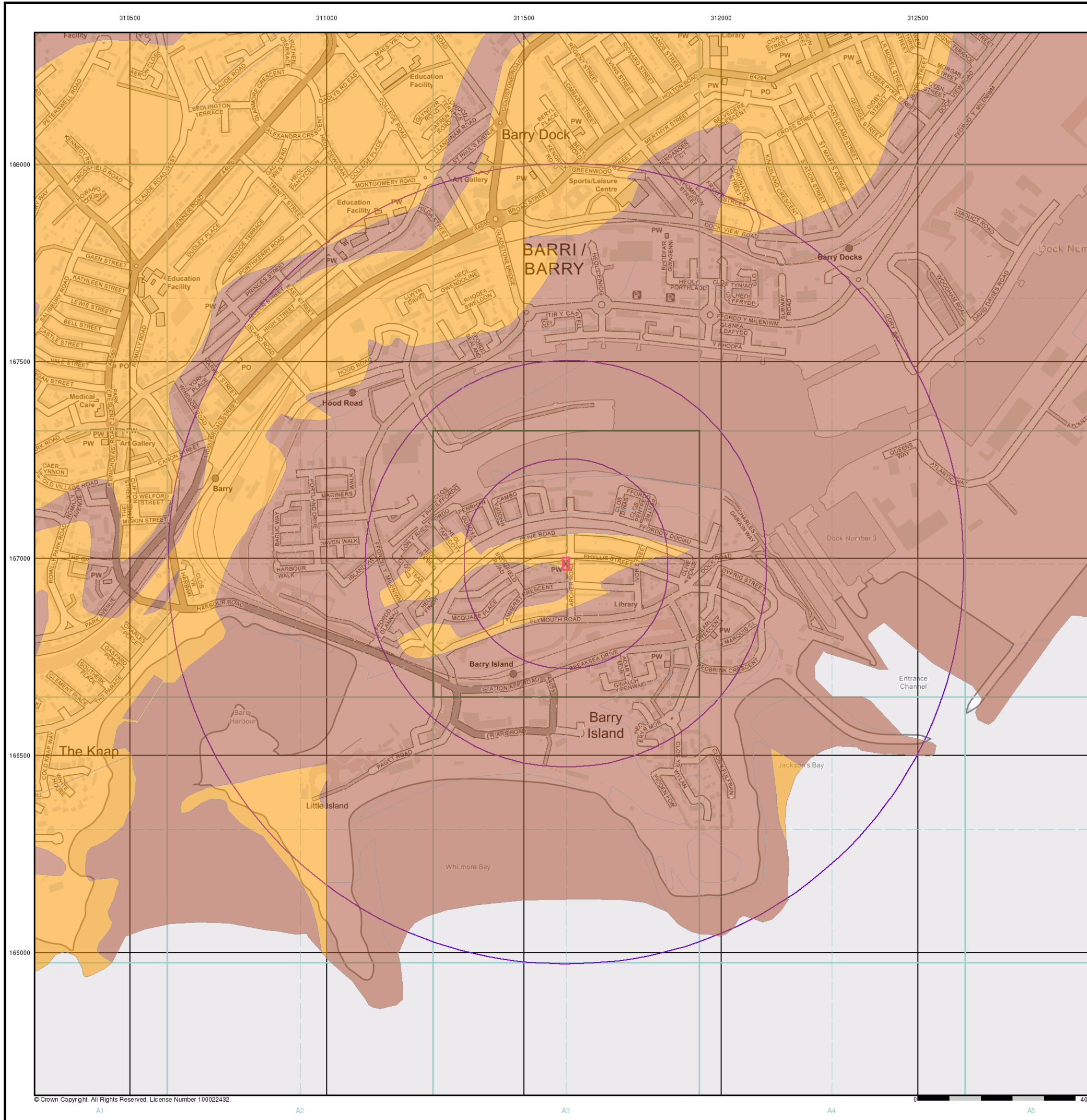


**Order Details**

Order Details: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH



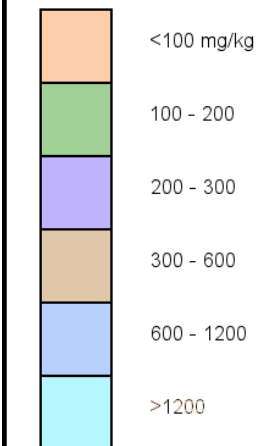


**General**

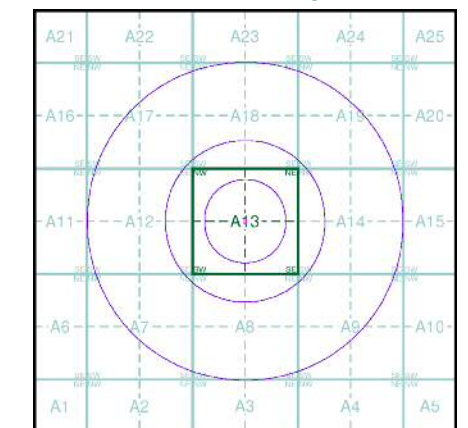
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice A**

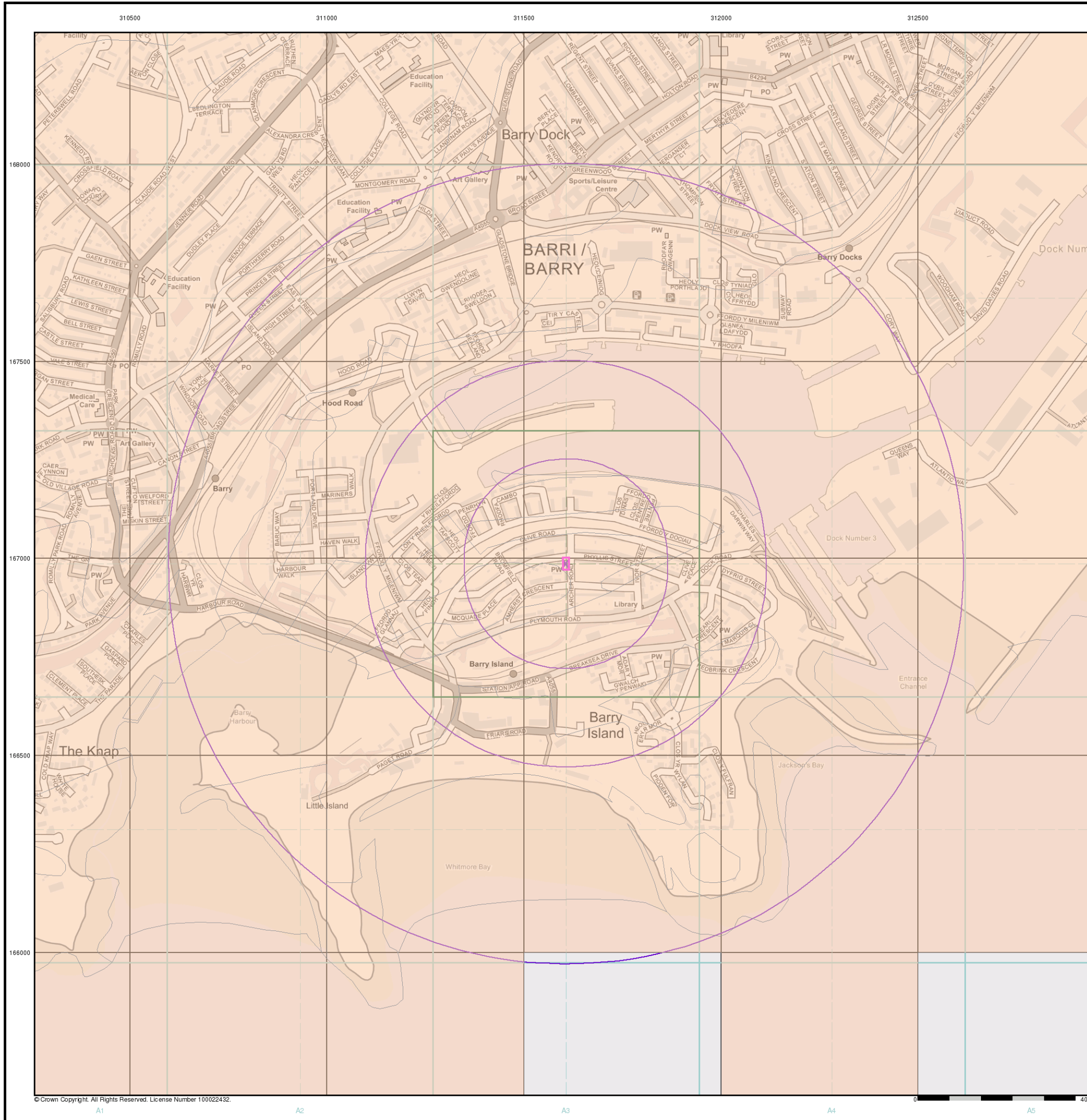


**Order Details**

Order Details: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**




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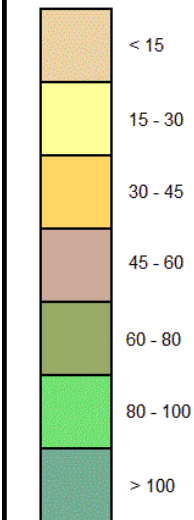


**General**

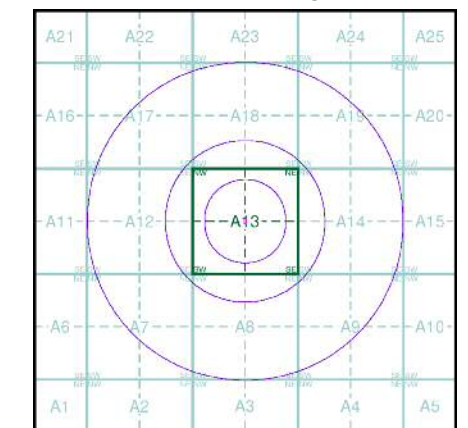
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice A**

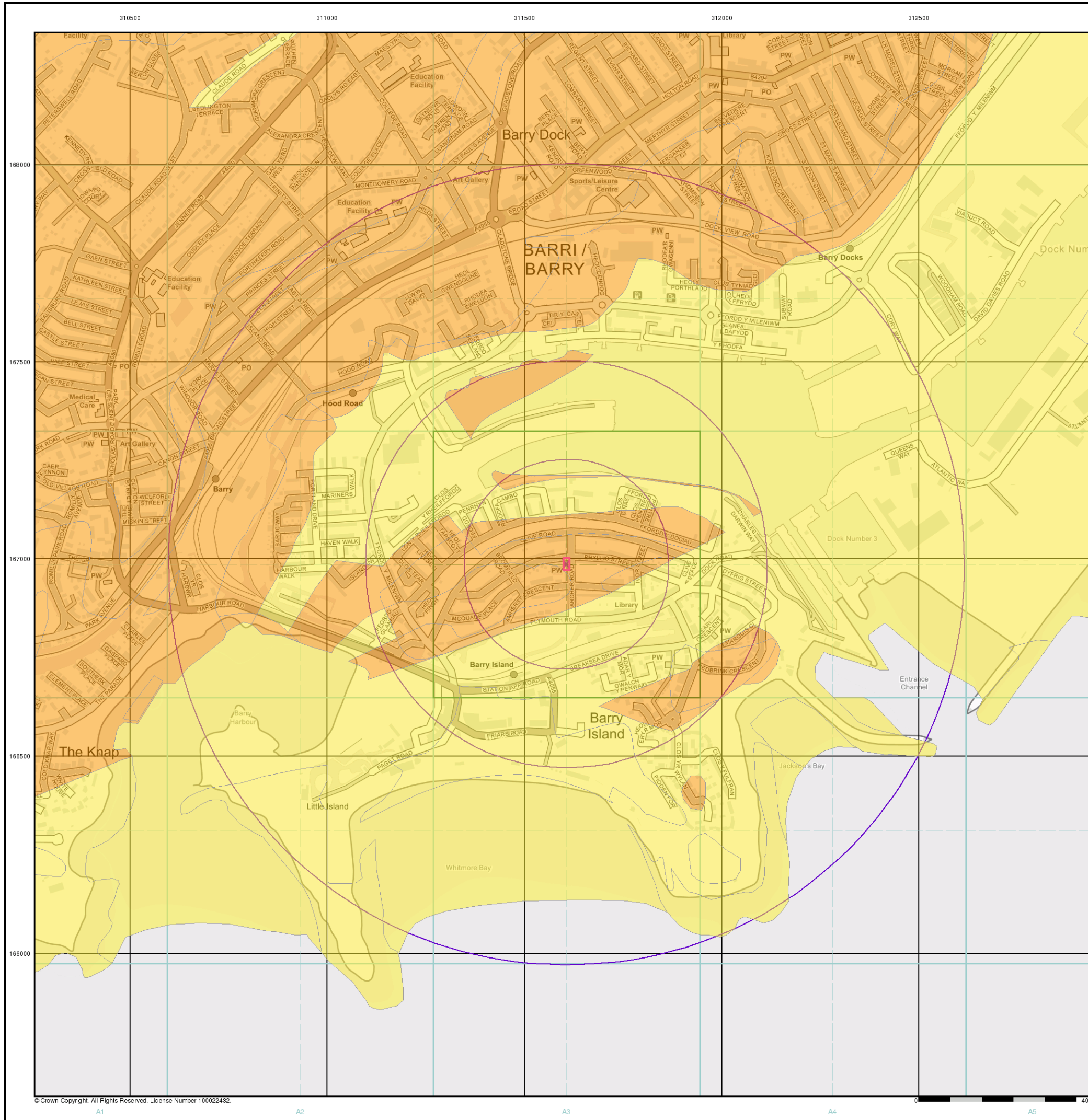


**Order Details**

Order Details: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**

Bethany, Archer Road, BARRY, CF62 5UH





# Historical Mapping Legends

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

**Quarry**   **Gravel Pit**   **Sand Pit**  
**Clay Pit**   **Shingle**   **Refuse Heap**  
**Sloping Masonry**   **Flat Rock**  
**Marsh**   **Reeds**   **Osiers**  
**Rough Pasture**   **Furze**   **Wood**  
**Mixed Wood**   **Brushwood**   **Orchard**  
**Fir**   **Ford**   **Stepping Stones**  
**Ferry**   **Waterfall**   **Lock**  
**Trig. Station**   **Altitude at Trig. Station**  
**B.M. 325.9**   **Bench Mark**   **Surface Level**  
**Arrow denotes flow of water**   **Antiquities (site of)**  
**Cutting**   **Embankment**  
**Railway crossing Road**   **Level Crossing**   **Road crossing Railway**  
**Railway crossing River or Canal**   **Road over single stream**   **Road over River or Canal**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Administrative County & Civil Parish Boundary**  
**County Borough Boundary (England)**  
**County Burgh Boundary (Scotland)**  
**Co. Boro. Bdy.**  
**Co. Burgh Bdy.**  
**BP BS** Boundary Post or Stone   **P.C.B** Police Call Box  
**B.R.** Bridle Road   **P** Pump  
**E.P** Electricity Pylon   **S.P** Signal Post  
**F.B.** Foot Bridge   **SL** Sluice  
**F.P.** Foot Path   **Sp.** Spring  
**G.P** Guide Post or Board   **T.C.B** Telephone Call Box  
**M.S** Mile Stone   **Tr.** Trough  
**M.P M.R** Mooring Post or Ring   **W** Well

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

**Inactive Quarry, Chalk Pit or Clay Pit**   **Active Quarry, Chalk Pit or Clay Pit**  
**Rock**   **Boulders**  
**Cliff**   **Slopes**   **Top**  
**Roofed Building**   **Glazed Roof Building**  
**Sloping Masonry**   **Archway**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**BH** Beer House   **P** Pillar, Pole or Post  
**BP, BS** Boundary Post or Stone   **PO** Post Office  
**Cn, C** Capstan, Crane   **PC** Public Convenience  
**Chy** Chimney   **PH** Public House  
**D Fn** Drinking Fountain   **Pp** Pump  
**EI P** Electricity Pillar or Post   **SB, S Br** Signal Box or Bridge  
**FAP** Fire Alarm Pillar   **SP, SL** Signal Post or Light  
**FB** Foot Bridge   **Spr** Spring  
**GP** Guide Post   **Tk** Tank or Track  
**H** Hydrant or Hydraulic   **TCB** Telephone Call Box  
**LC** Level Crossing   **TCP** Telephone Call Post  
**MH** Manhole   **Tr** Trough  
**MP** Mile Post or Mooring Post   **Wr Pt, Wr T** Water Point, Water Tap  
**MS** Mile Stone   **W** Well  
**NTL** Normal Tidal Limit   **Wd Pp** Wind Pump

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

**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Triangulation Station**   **Antiquity (site of)**  
**Electricity Transmission Line**   **Electricity Pylon**  
**B.M. 231.60m** Bench Mark   **Buildings with Building Seed**  
**Roofed Building**   **Glazed Roof Building**  
**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**  
**Bks** Barracks   **P** Pillar, Pole or Post  
**Bty** Battery   **PO** Post Office  
**Cemy** Cemetery   **PC** Public Convenience  
**Chy** Chimney   **Pp** Pump  
**Cis** Cistern   **Ppg Sta** Pumping Station  
**Dismtd Rly** Dismantled Railway   **PW** Place of Worship  
**EI Gen Sta** Electricity Generating Station   **Sewage Ppg Sta** Sewage Pumping Station  
**EI P** Electricity Pole, Pillar   **SB, S Br** Signal Box or Bridge  
**EI Sub Sta** Electricity Sub Station   **SP, SL** Signal Post or Light  
**FB** Filter Bed   **Spr** Spring  
**Fn / D Fn** Fountain / Drinking Ftn.   **Tk** Tank or Track  
**Gas Gov** Gas Valve Compound   **Tr** Trough  
**GVC** Gas Governor   **Wd Pp** Wind Pump  
**GP** Guide Post   **Wr Pt, Wr T** Water Point, Water Tap  
**MH** Manhole   **Wks** Works (building or area)  
**MP, MS** Mile Post or Mile Stone   **W** Well

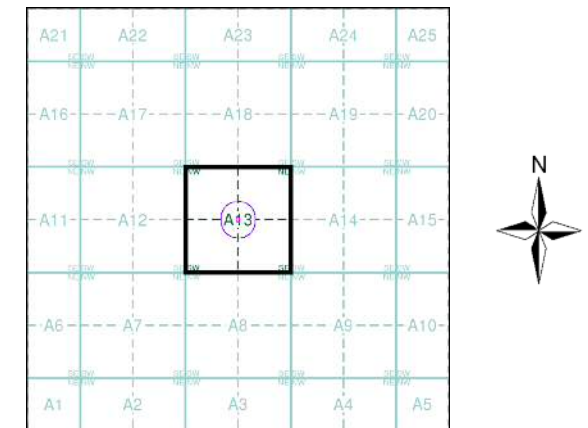


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1879	2
Glamorganshire	1:2,500	1900	3
Glamorganshire	1:2,500	1920	4
Glamorganshire	1:2,500	1936	5
Ordnance Survey Plan	1:1,250	1955	6
Ordnance Survey Plan	1:2,500	1956	7
Additional SIMs	1:2,500	1956	8
Ordnance Survey Plan	1:1,250	1971 - 1972	9
Supply of Unpublished Survey Information	1:1,250	1973	10
Additional SIMs	1:1,250	1987 - 1990	11
Additional SIMs	1:1,250	1990	12
Large-Scale National Grid Data	1:1,250	1993 - 1994	13
Large-Scale National Grid Data	1:1,250	1996	14
Historical Aerial Photography	1:2,500	2000	15

## Historical Map - Segment A13



## Order Details

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 100

## Site Details

Bethany, Archer Road, BARRY, CF62 5UH



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 Fax: 0844 844 9951  
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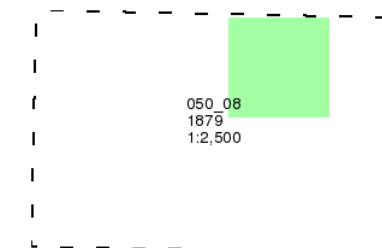
Glamorganshire

Published 1879

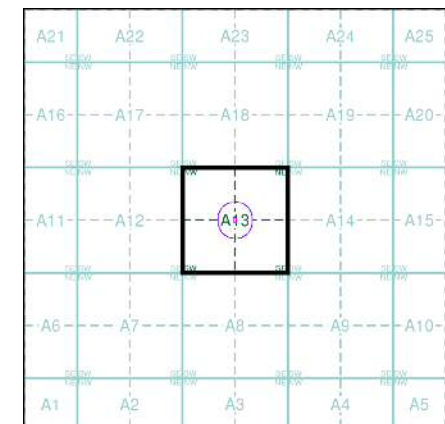
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

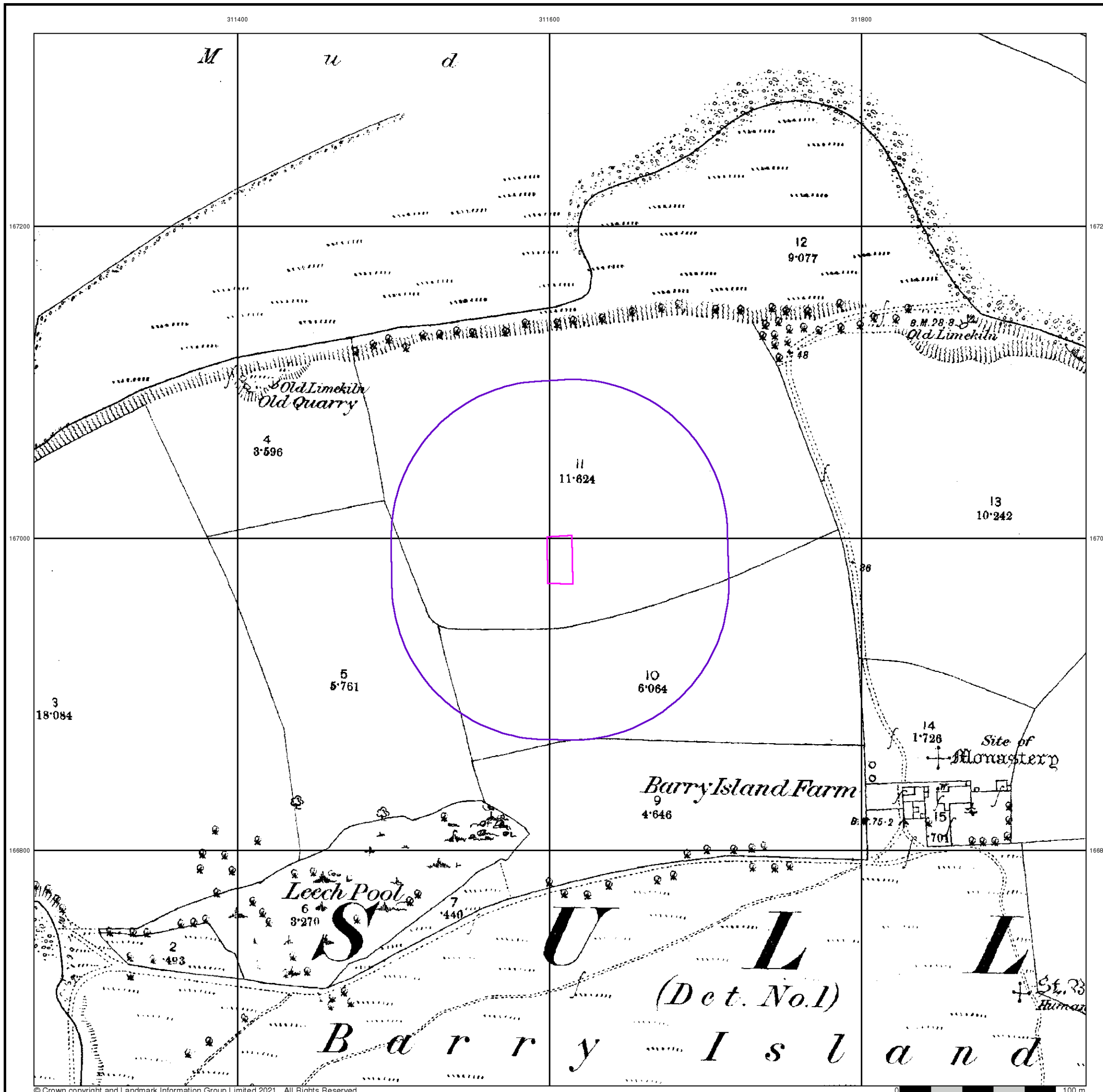
Order Number: 272991217\_1\_1  
Customer Ref: CP16393  
National Grid Reference: 311610, 166990  
Slice: A  
Site Area (Ha): 0.05  
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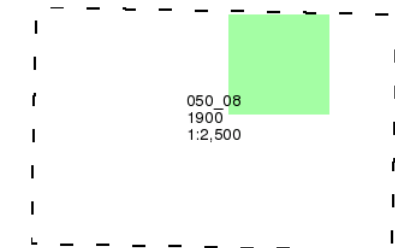
Glamorganshire

Published 1900

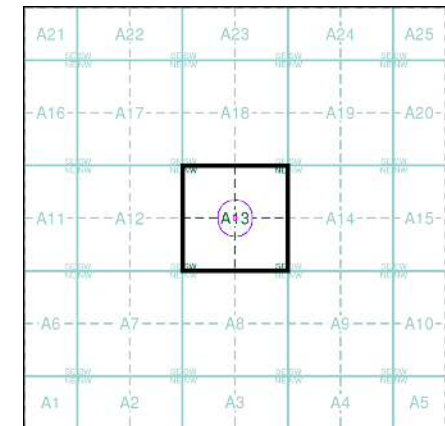
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

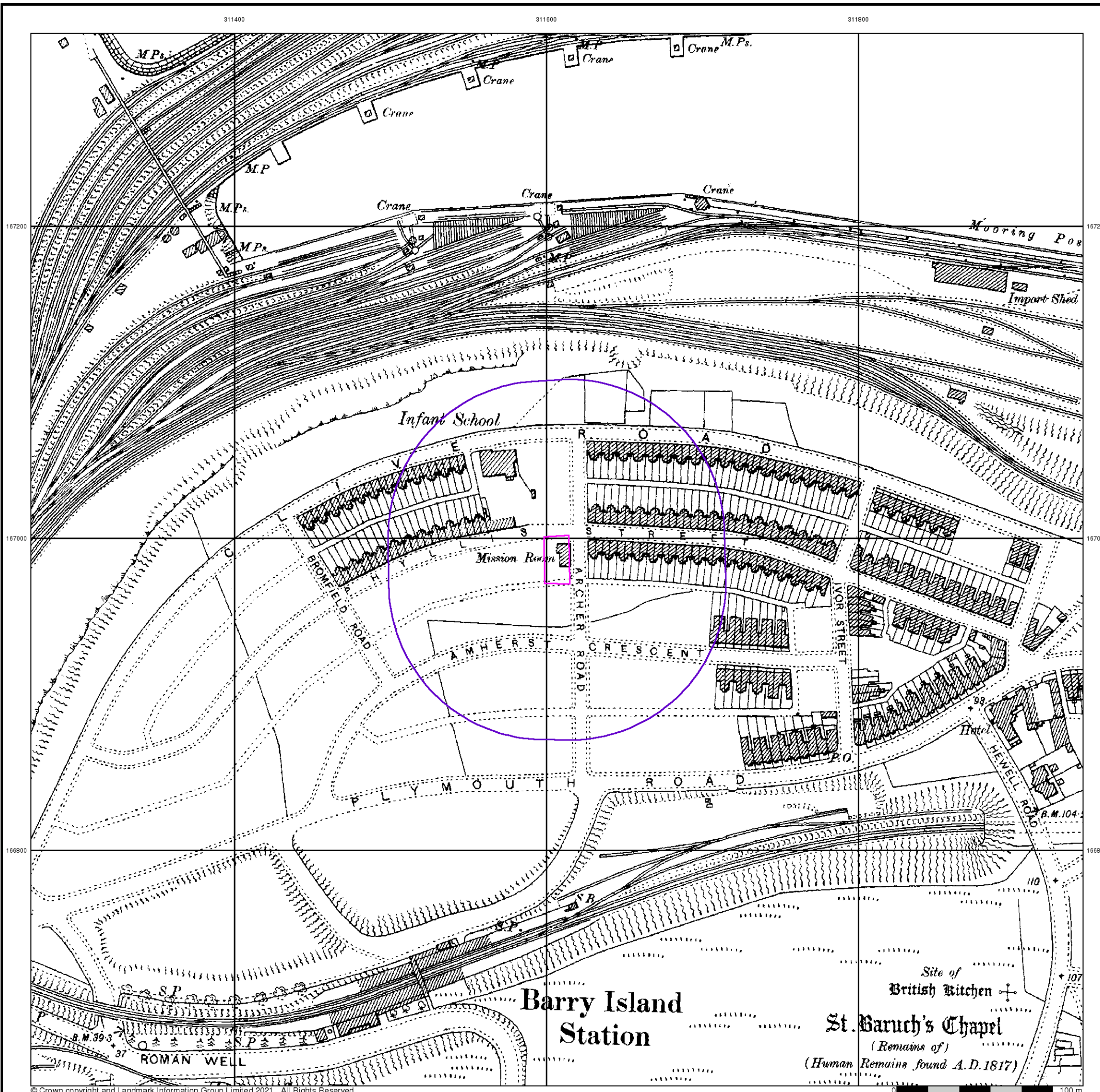
Order Number: 272991217\_1\_1
Customer Ref: CP16393
National Grid Reference: 311610, 166990
Slice: A
Site Area (Ha): 0.05
Search Buffer (m): 100

Site Details

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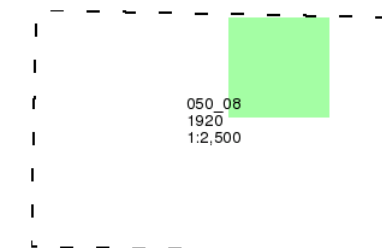
Glamorganshire

Published 1920

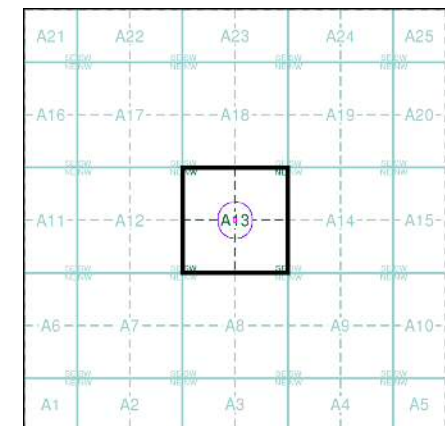
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

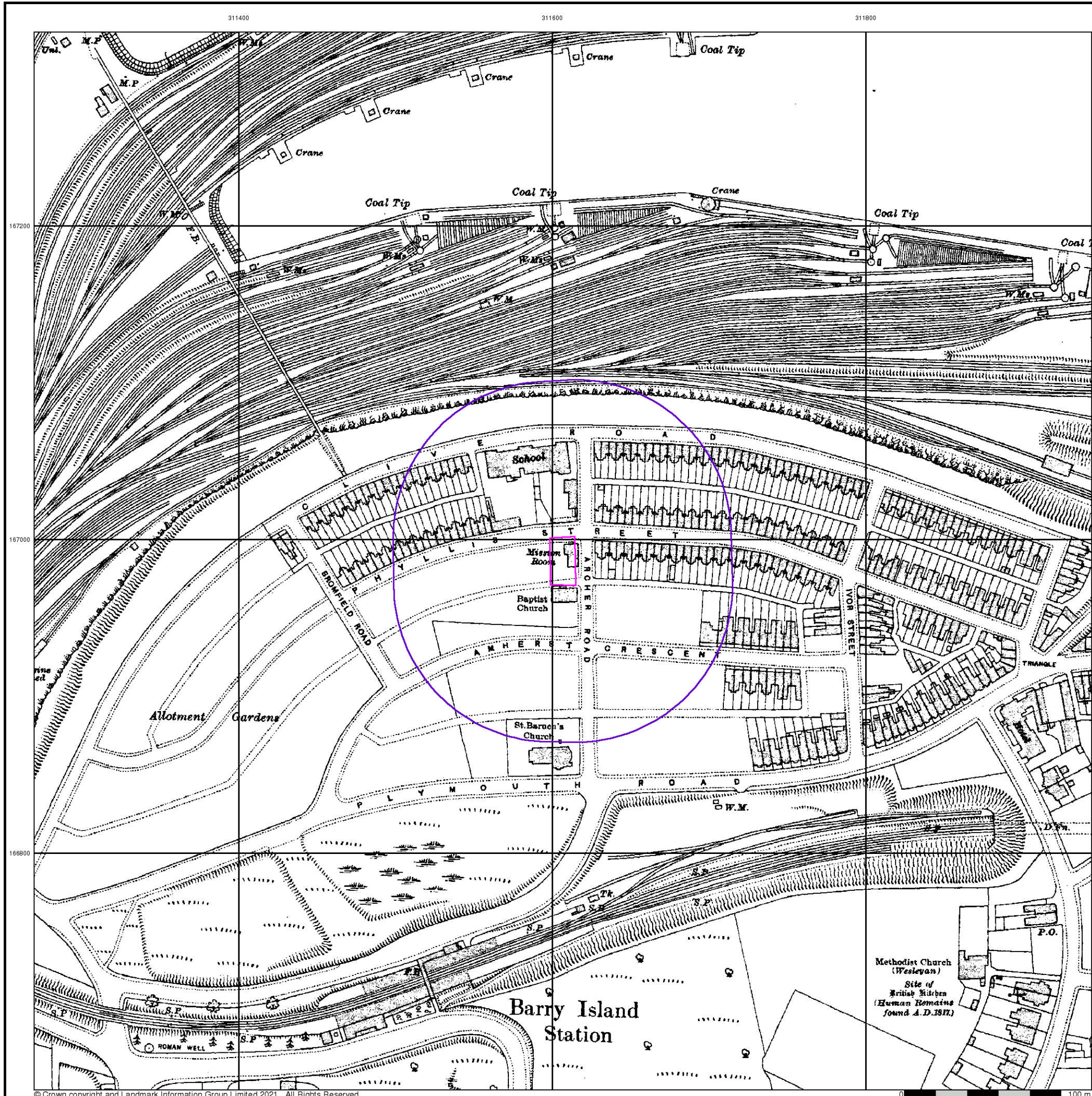
Order Number: 272991217\_1\_1
Customer Ref: CP16393
National Grid Reference: 311610, 166990
Slice: A
Site Area (Ha): 0.05
Search Buffer (m): 100

Site Details

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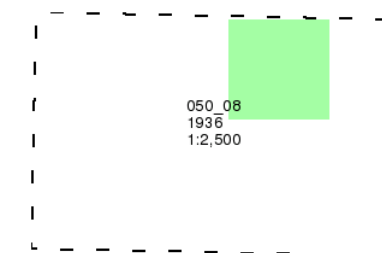
Glamorganshire

Published 1936

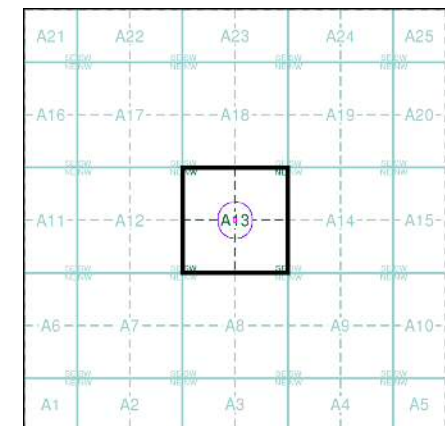
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

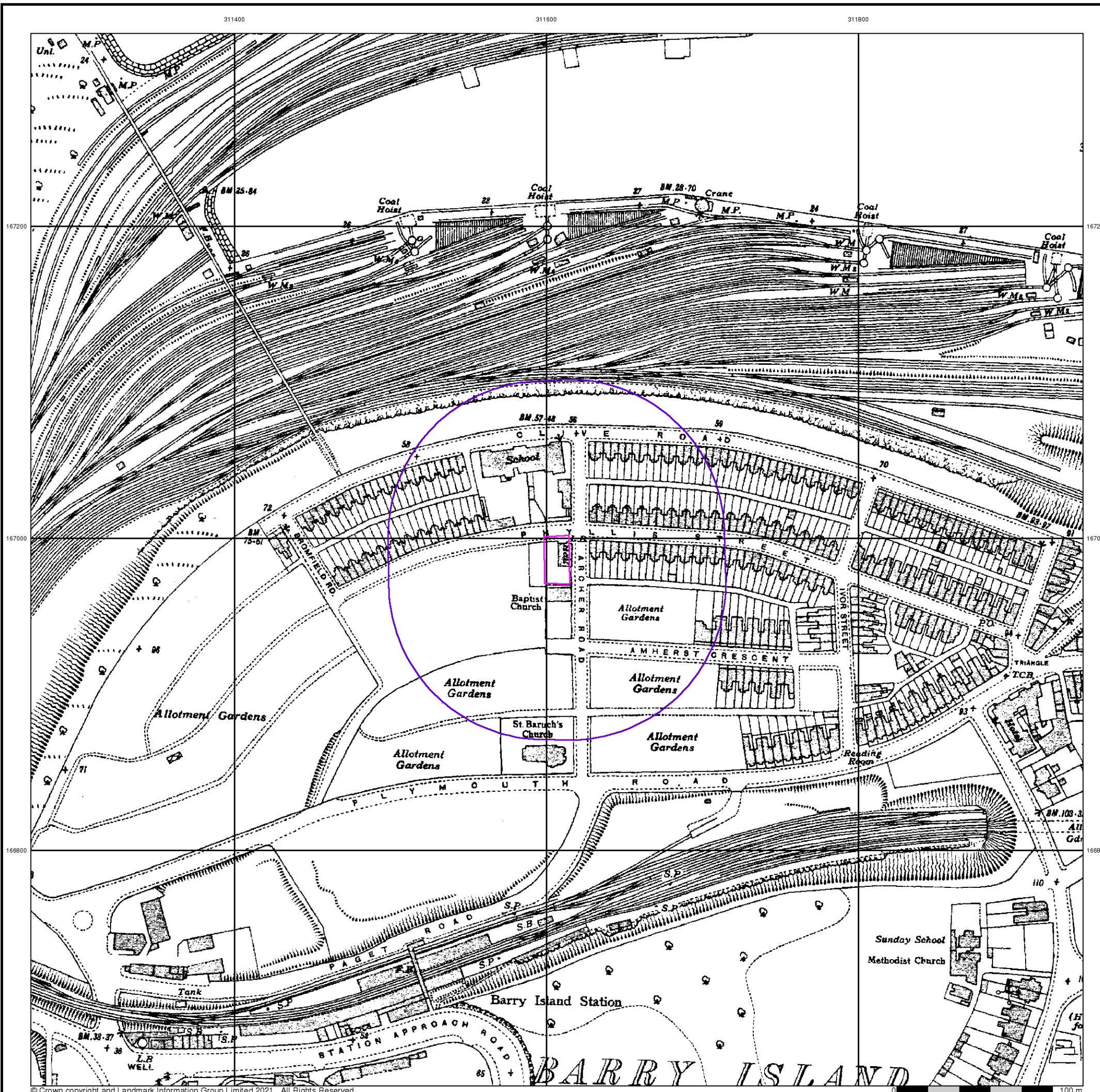
Order Number: 272991217\_1\_1  
Customer Ref: CP16393  
National Grid Reference: 311610, 166990  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

Site Details

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### Ordnance Survey Plan

Published 1955

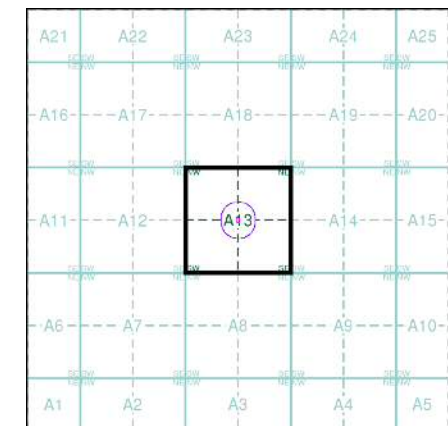
Source map scale - 1:1,250

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)

ST1167SW 1955 1:1,250	ST1167SE 1955 1:1,250
ST1166NW 1955 1:1,250	ST1166NE 1955 1:1,250

### Historical Map - Segment A13



### Order Details

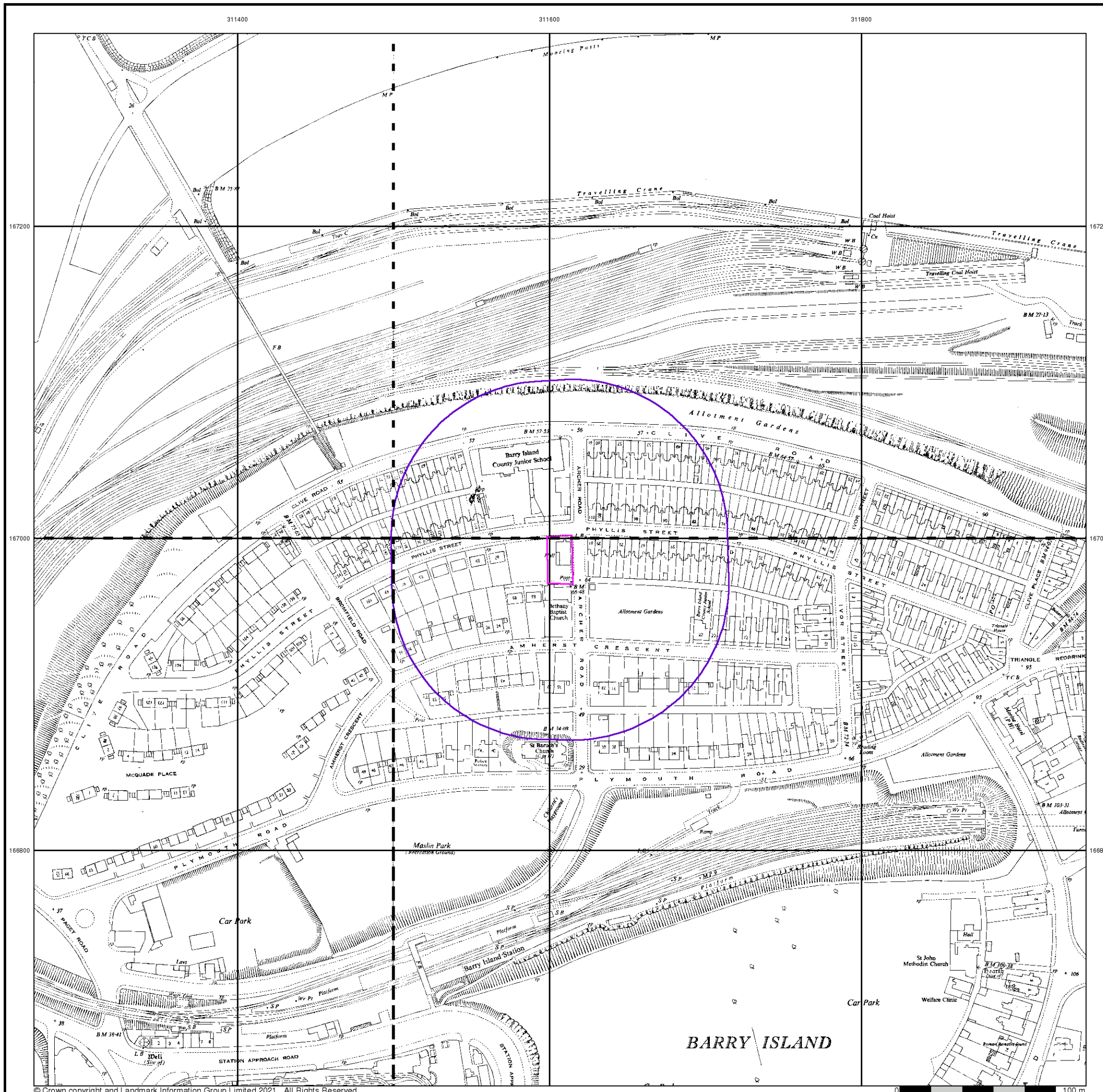
Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 100

### Site Details

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## Ordnance Survey Plan

Published 1956

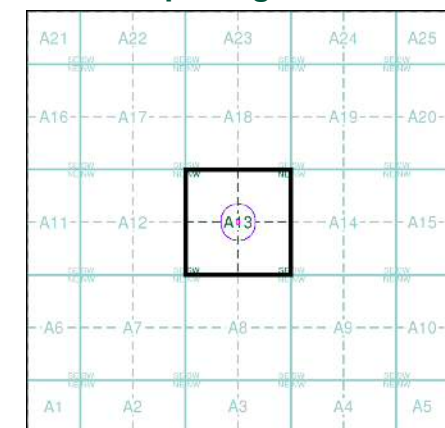
Source map scale - 1:2,500

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)

ST1167	1956	1:2,500
ST1166	1956	1:2,500

### Historical Map - Segment A13



### Order Details

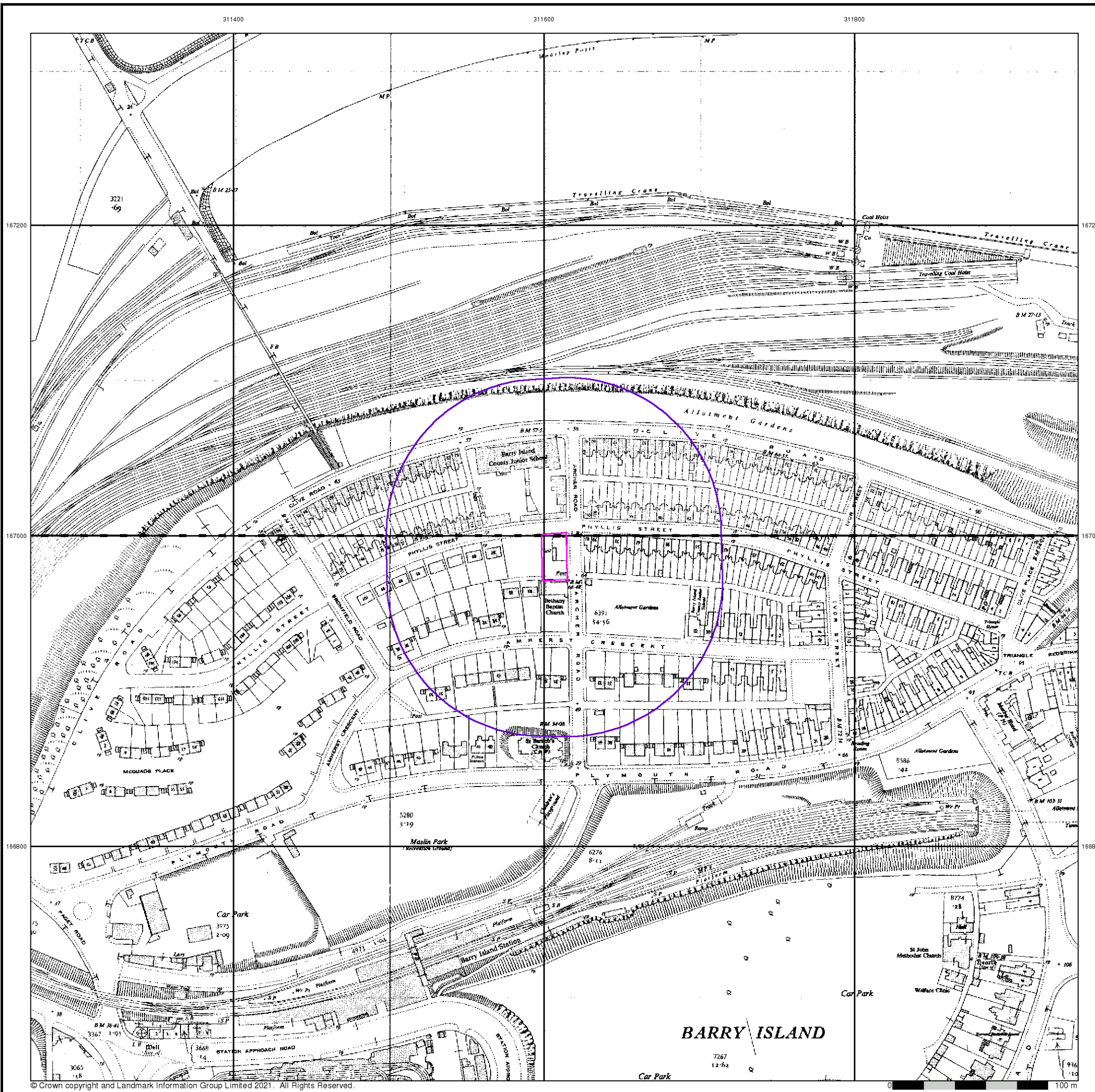
Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 100

### Site Details

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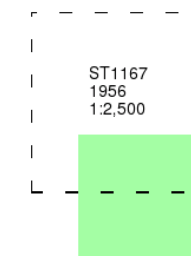
### Additional SIMs

Published 1956

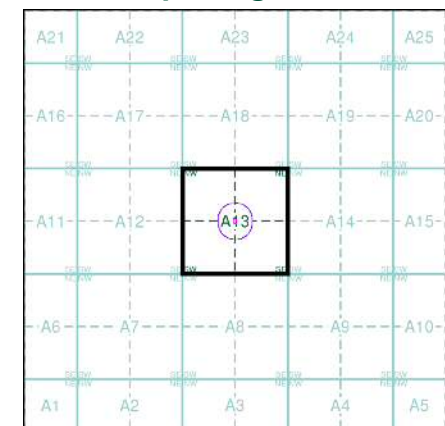
Source map scale - 1:2,500

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

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



### Historical Map - Segment A13



### Order Details

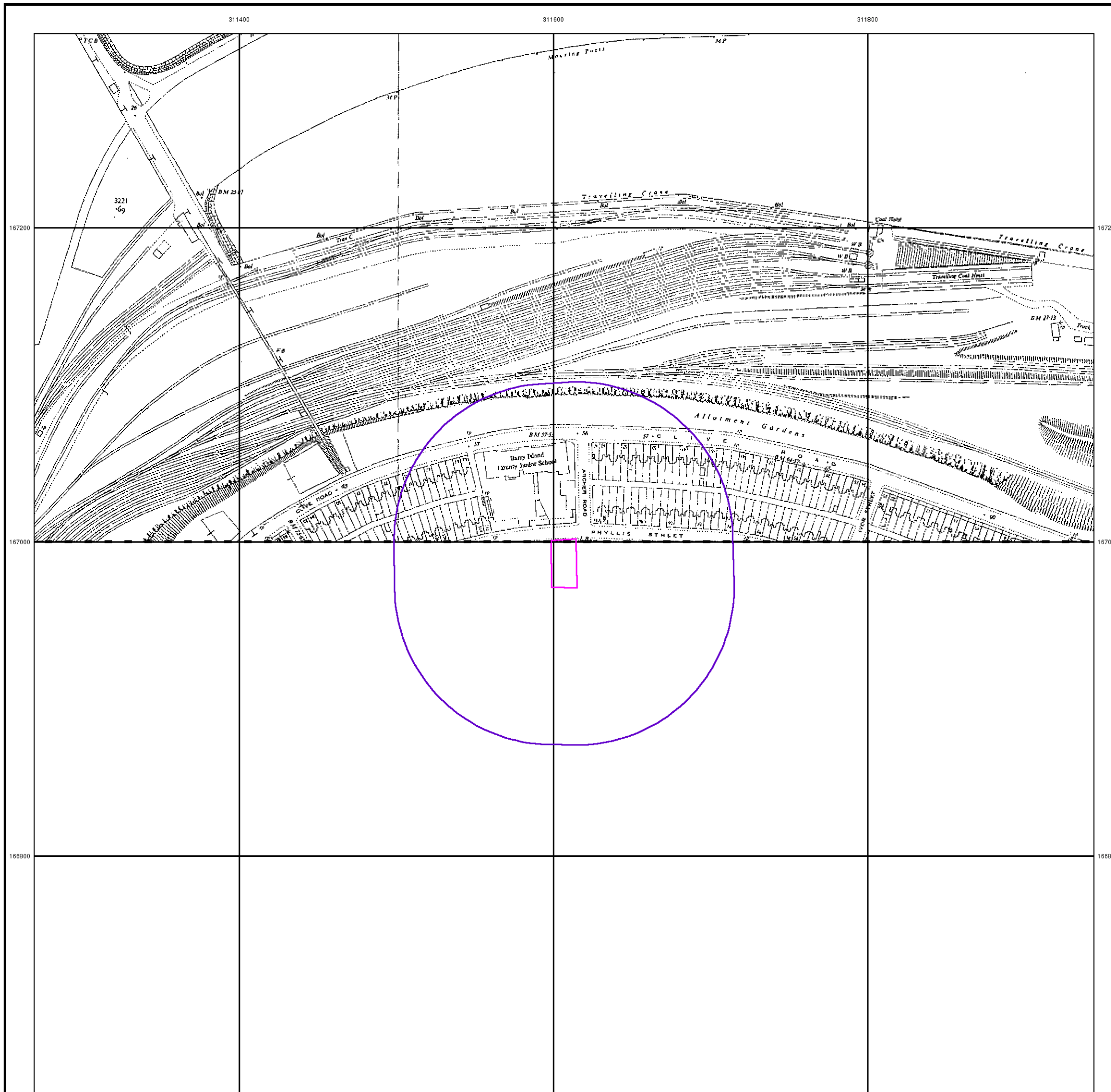
Order Number: 272991217\_1\_1  
Customer Ref: CP16393  
National Grid Reference: 311610, 166990  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

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### Ordnance Survey Plan

Published 1971 - 1972

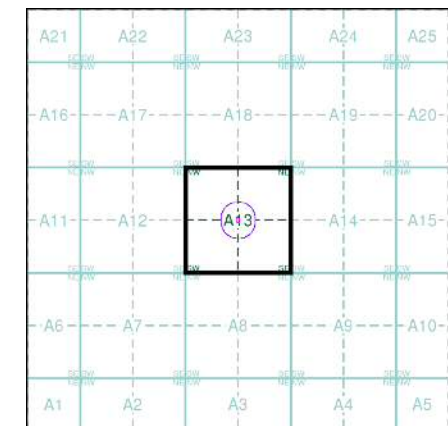
Source map scale - 1:1,250

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)

ST1167SW 1972 1:1,250	ST1167SE 1972 1:1,250
ST1166NW 1971 1:1,250	ST1166NE 1971 1:1,250

### Historical Map - Segment A13



### Order Details

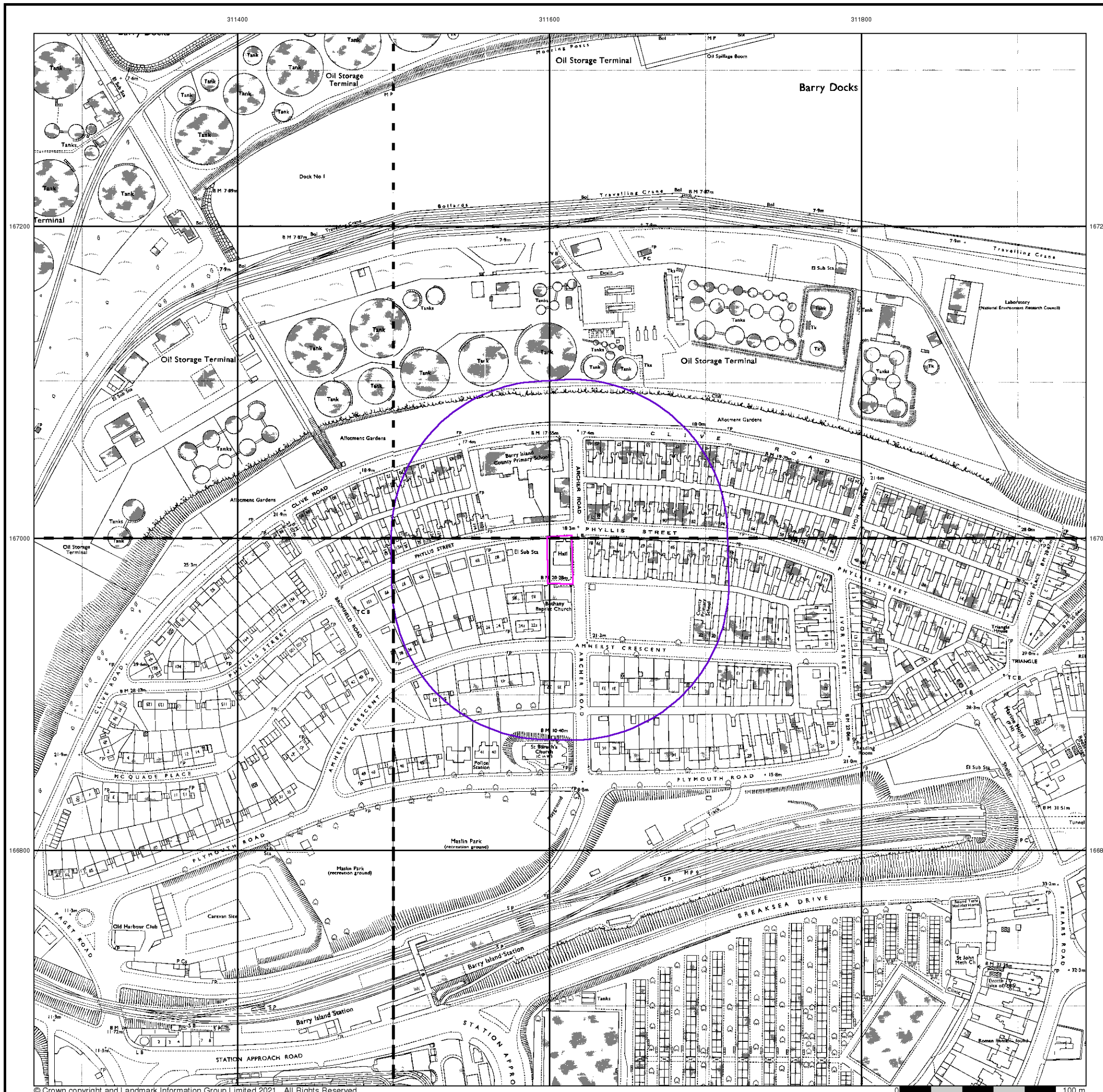
Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 100

### Site Details

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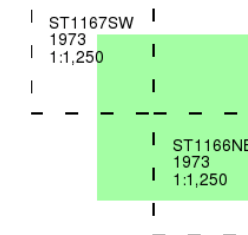
### Supply of Unpublished Survey Information

Published 1973

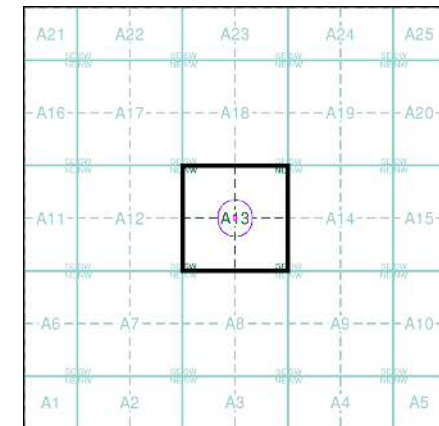
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

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



### Historical Map - Segment A13



### Order Details

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 100

### Site Details

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### Additional SIMs

Published 1987 - 1990

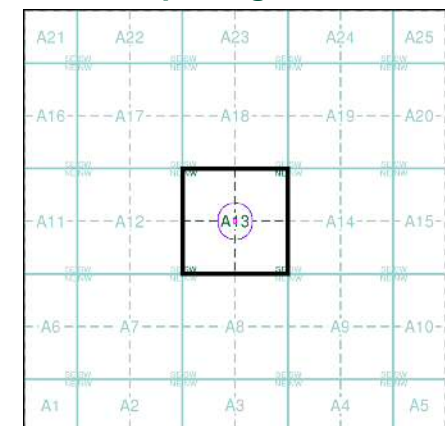
Source map scale - 1:1,250

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)

ST1167SW 1990 1:1,250	ST1167SE 1990 1:1,250
ST1166NW 1990 1:1,250	ST1166NE 1987 1:1,250

### Historical Map - Segment A13



### Order Details

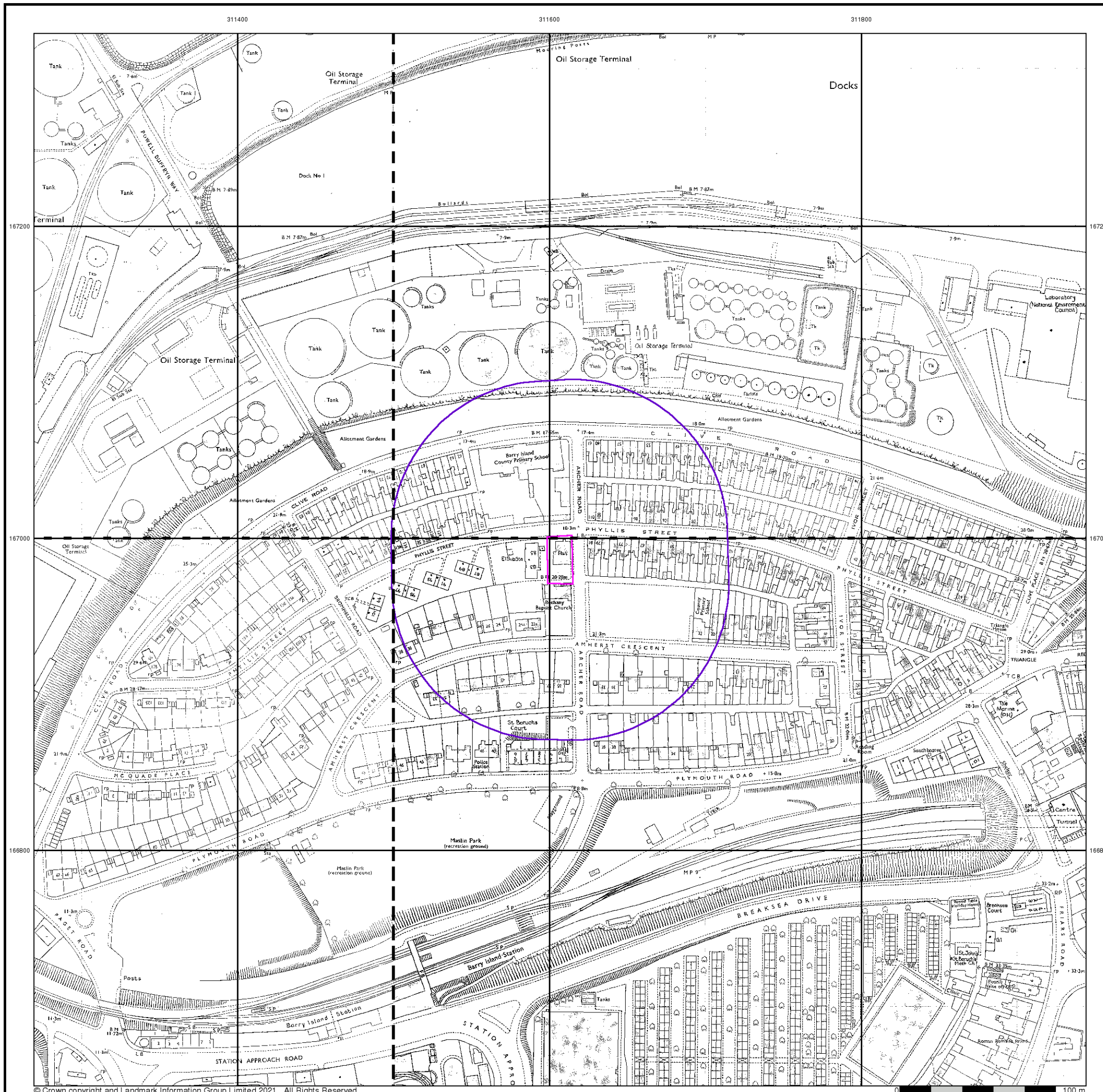
Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 100

### Site Details

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311400

311600

311800

167200

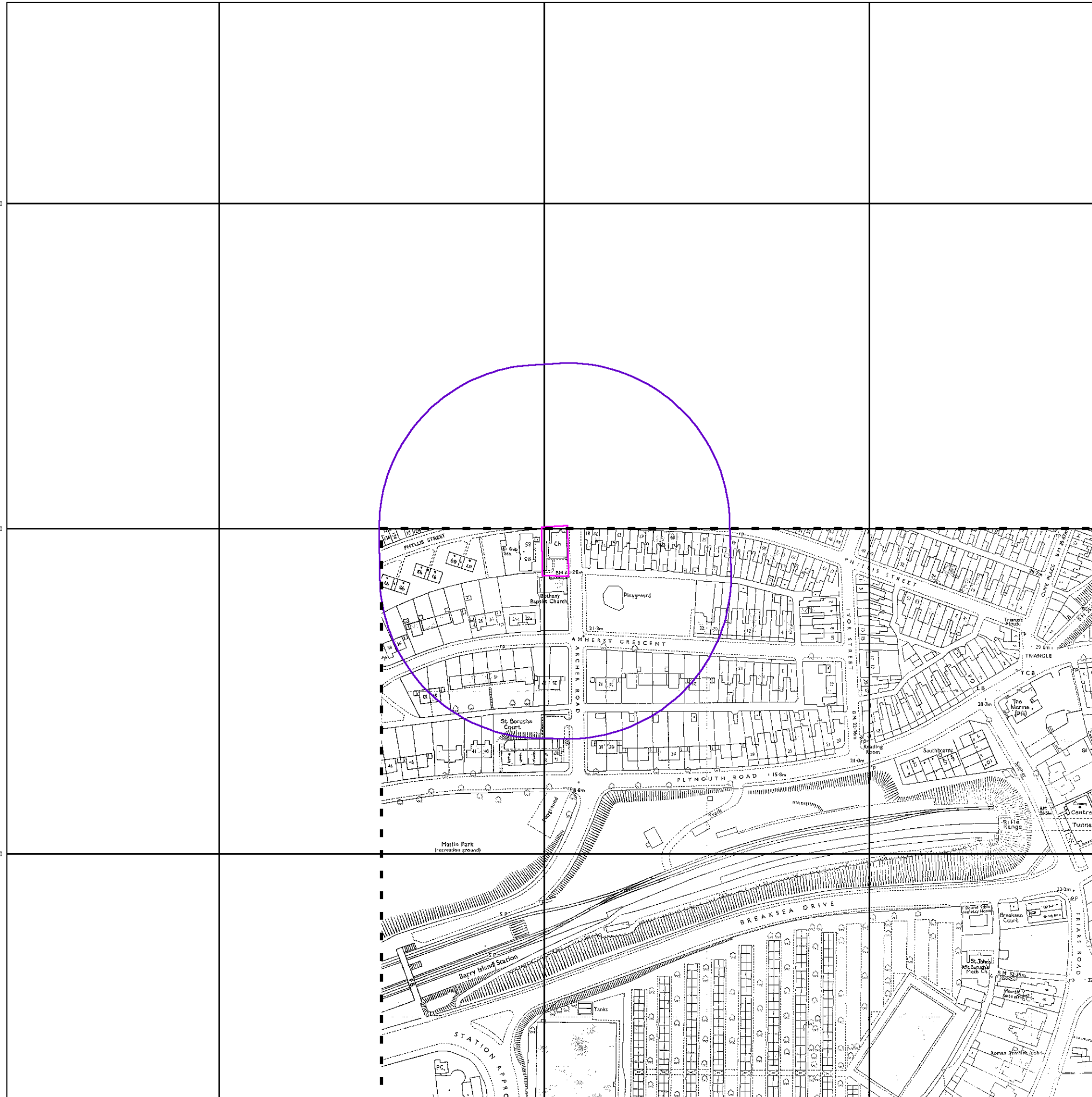
167200

167000

167000

166800

166800



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0 100 m



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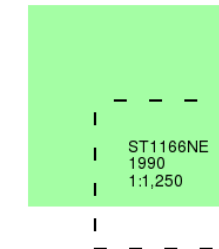
### Additional SIMs

Published 1990

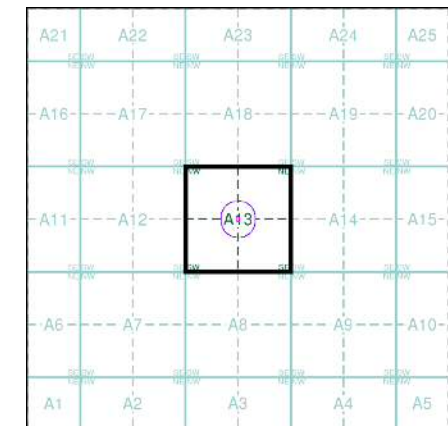
Source map scale - 1:1,250

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: 272991217\_1\_1  
 Customer Ref: CP16393  
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### Large-Scale National Grid Data

Published 1993 - 1994

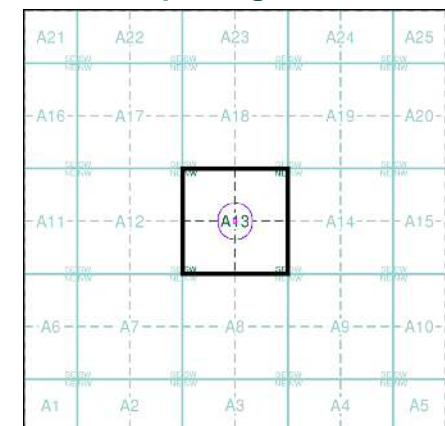
Source map scale - 1:1,250

'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)

ST1167SW 1993 1:1,250	ST1167SE 1993 1:1,250
ST1166NW 1993 1:1,250	ST1166NE 1994 1:1,250

### Historical Map - Segment A13



### Order Details

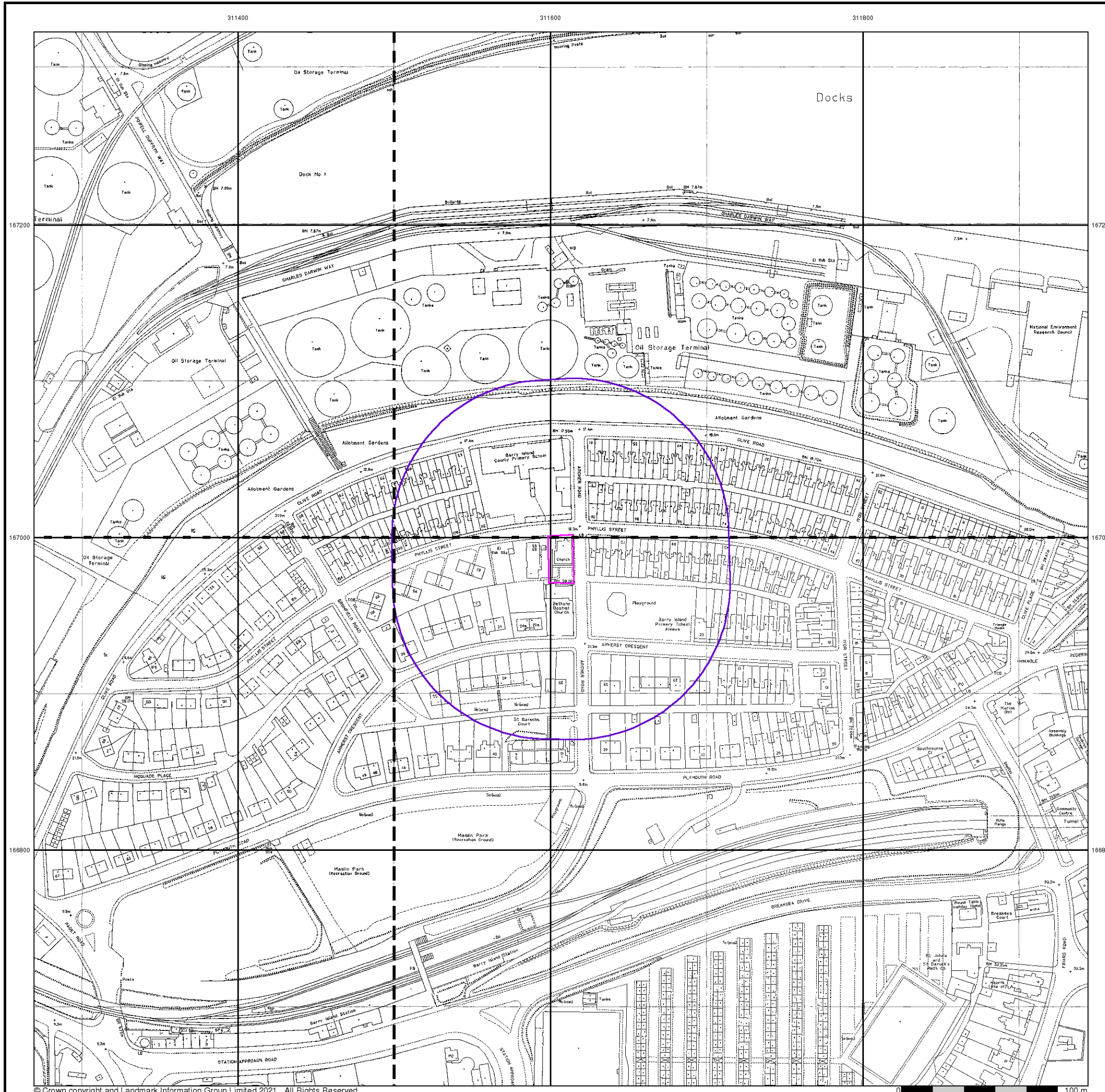
Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 100

### Site Details

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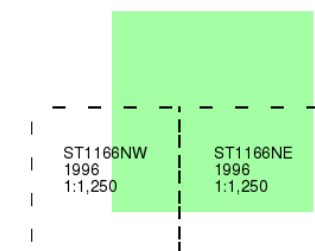
### Large-Scale National Grid Data

Published 1996

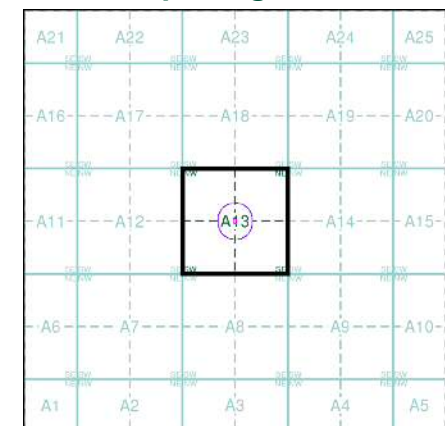
Source map scale - 1:1,250

'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: 272991217\_1\_1  
Customer Ref: CP16393  
National Grid Reference: 311610, 166990  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 100

### Site Details

Bethany, Archer Road, BARRY, CF62 5UH

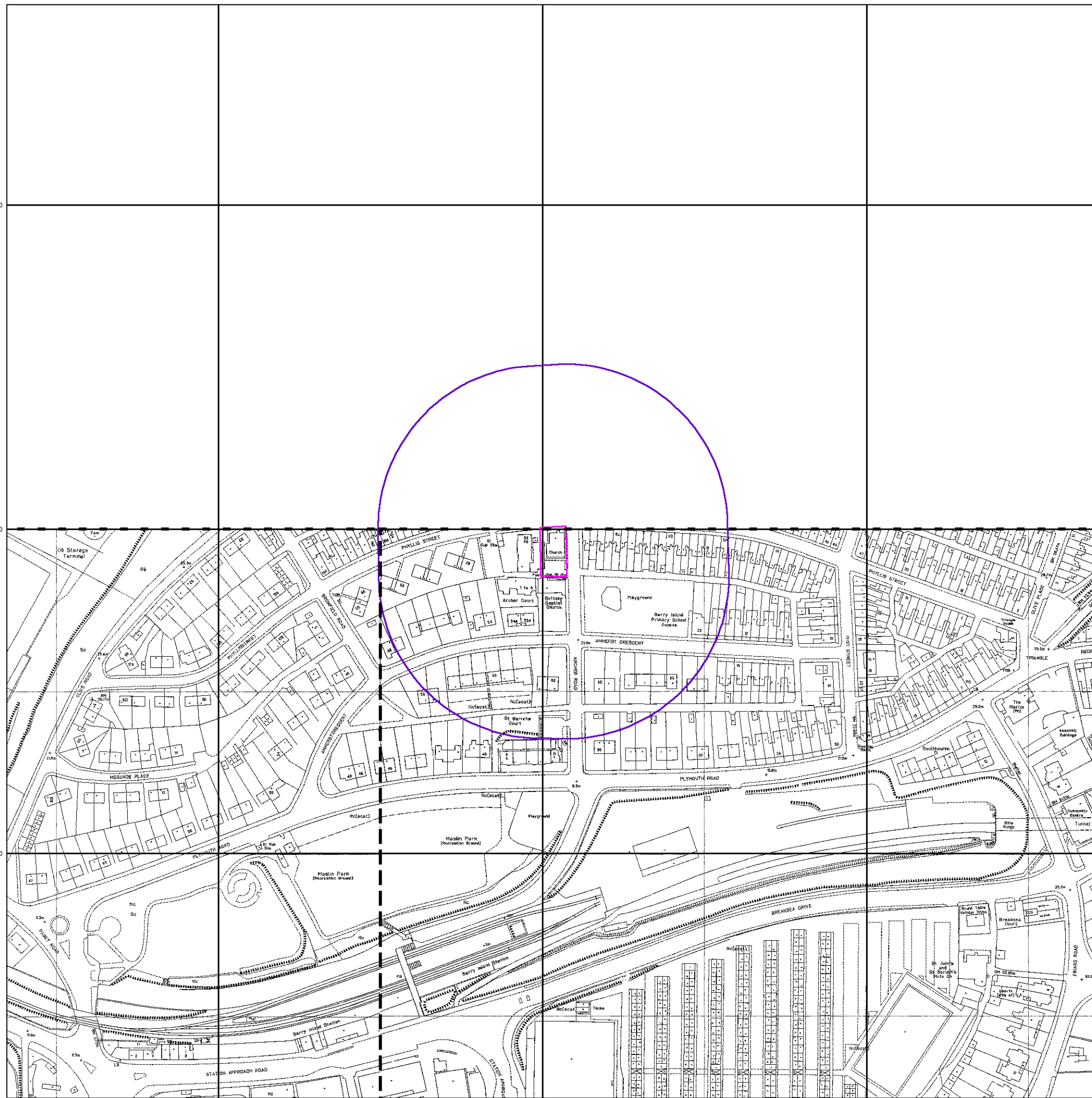


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167200

167000

166800





311400

311600

311800



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### Historical Aerial Photography

Published 2000

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

167200

167200

167000

167000

166800

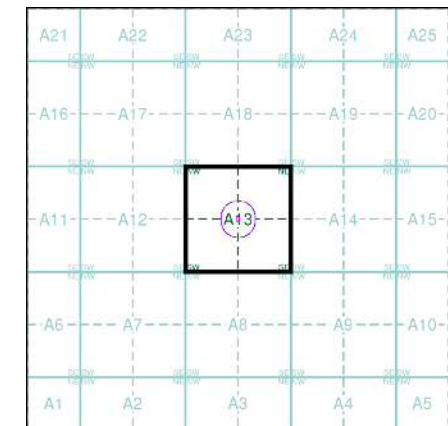
166800



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0 100 m

### Historical Aerial Photography - Segment A13



### Order Details

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
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# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Direction of Flow of Water
- Shingle
- Sand
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge
- Geographical County
- Administrative County, County Borough or County of City
- Municipal Borough, Urban or Rural District, Burgh or District Council
- Borough, Burgh or County Constituency  
Shown only when not coincident with other boundaries
- Civil Parish  
Shown alternately when coincidence of boundaries occurs
- BP, BS Boundary Post or Stone
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

## 1:10,000 Raster Mapping

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

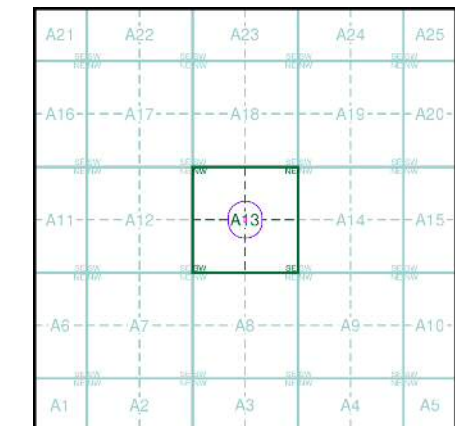


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### Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1885	2
Glamorganshire	1:10,560	1901	3
Glamorganshire	1:10,560	1921	4
Glamorganshire	1:10,560	1936	5
Glamorganshire	1:10,560	1938 - 1947	6
Historical Aerial Photography	1:10,560	1947	7
Historical Aerial Photography	1:10,560	1947	8
Ordnance Survey Plan	1:10,000	1965	9
Ordnance Survey Plan	1:10,000	1975	10
Ordnance Survey Plan	1:10,000	1984	11
Ordnance Survey Plan	1:10,000	1991	12
10K Raster Mapping	1:10,000	1999	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2020	15

### Historical Map - Slice A



### Order Details

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

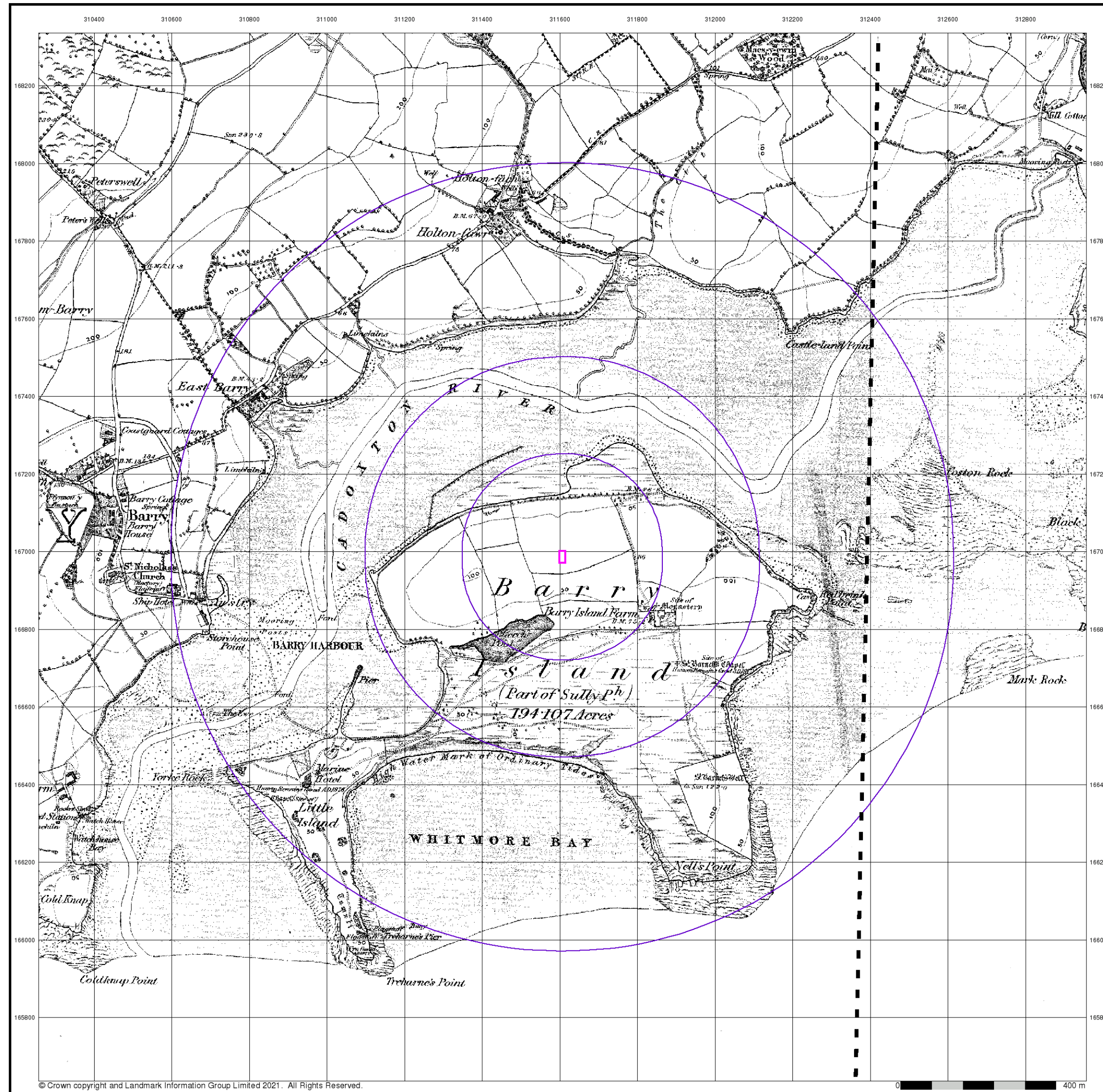
### Site Details

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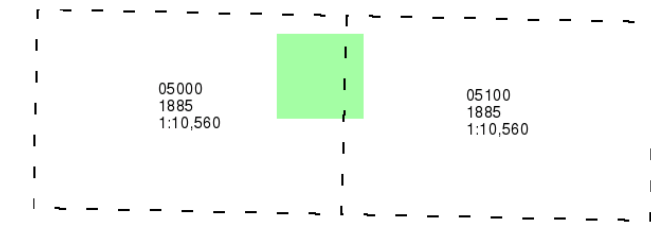
**Glamorganshire**

**Published 1885**

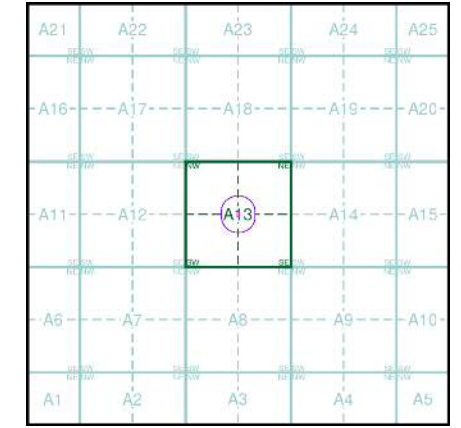
**Source map scale - 1:10,560**

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

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



**Historical Map - Slice A**



**Order Details**

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

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Glamorganshire

Published 1901

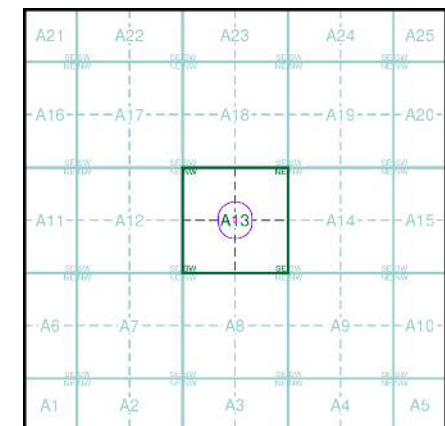
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

050NE 1901 1:10,560	051NW 1901 1:10,560
050SE 1901 1:10,560	

Historical Map - Slice A



Order Details

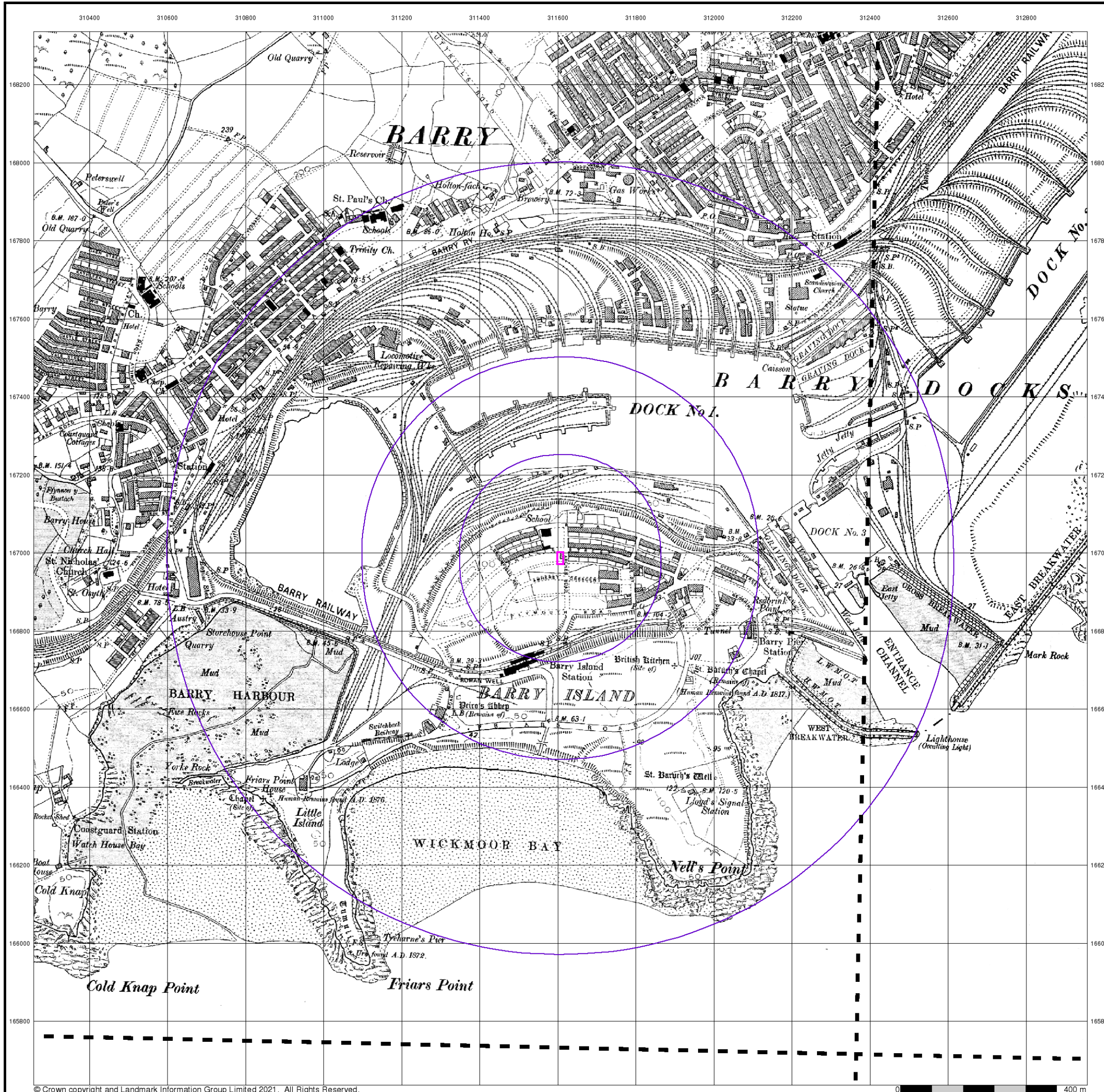
Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

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**Glamorganshire**

**Published 1921**

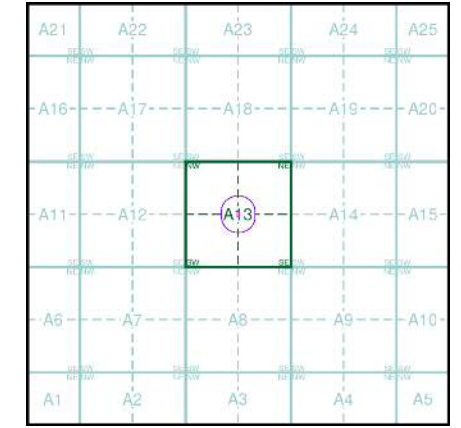
**Source map scale - 1:10,560**

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

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

050NE 1921 1:10,560	051NW 1921 1:10,560
050SE 1921 1:10,560	

**Historical Map - Slice A**



**Order Details**

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

**Site Details**

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### Glamorganshire

Published 1936

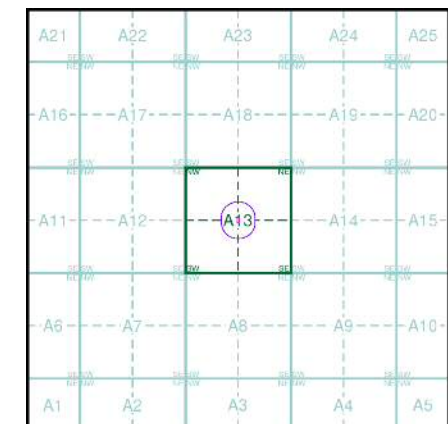
Source map scale - 1:10,560

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

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

050NE	1936	1:10,560
050SE	1936	1:10,560

### Historical Map - Slice A



### Order Details

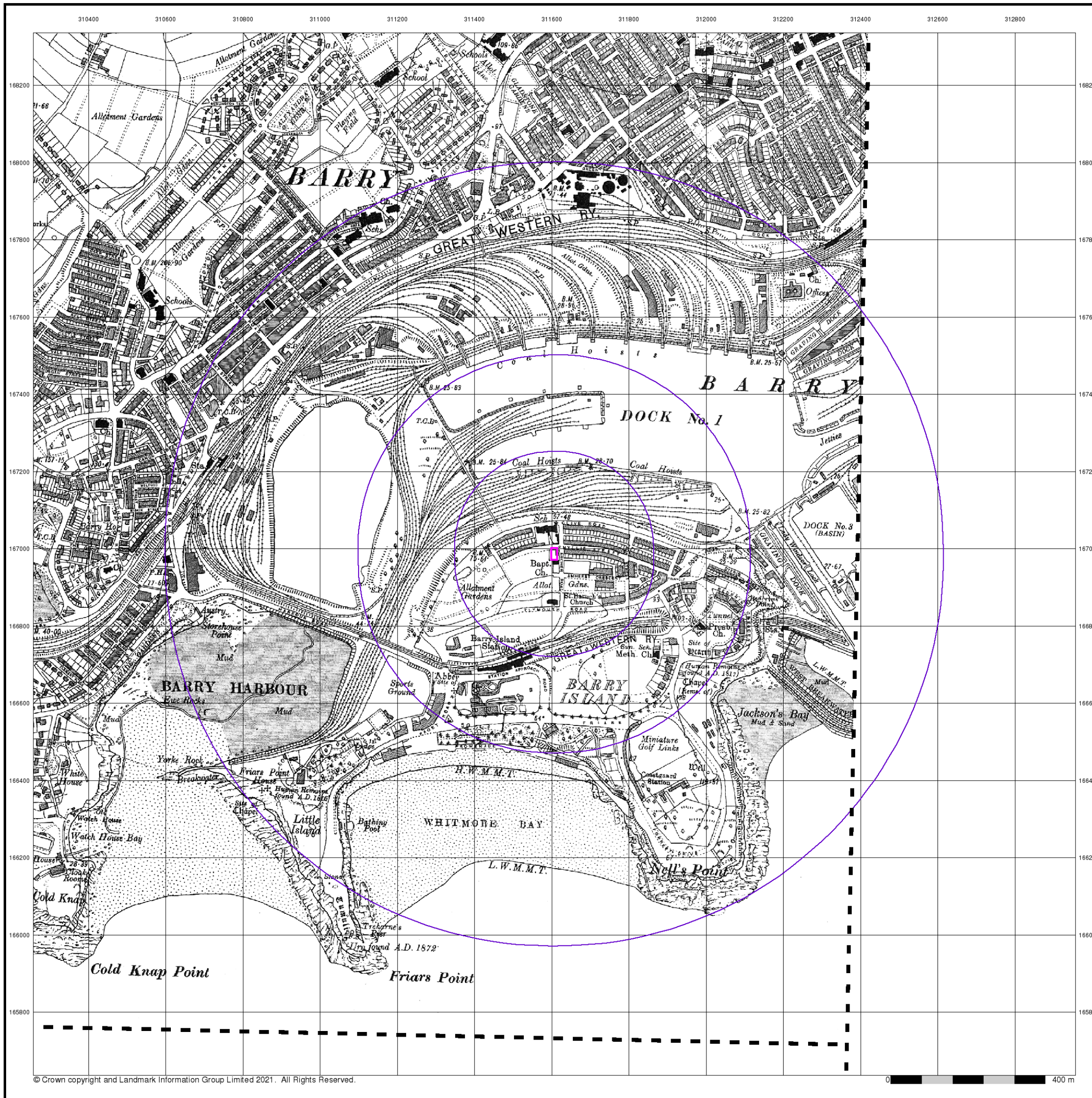
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 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

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### Glamorganshire

Published 1938 - 1947

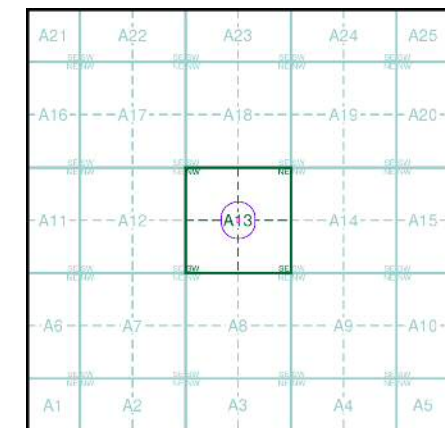
Source map scale - 1:10,560

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

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

050NE 1938 1:10,560	051NW 1947 1:10,560
050SE 1938 1:10,560	

### Historical Map - Slice A



### Order Details

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

### Site Details

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310400 310600 310800 311000 311200 311400 311600 311800 312000 312200 312400 312600 312800



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## Historical Aerial Photography

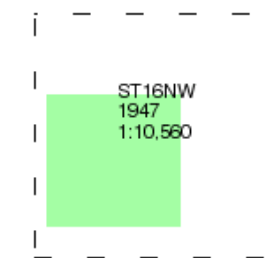
Published 1947

Source map scale - 1:10,560

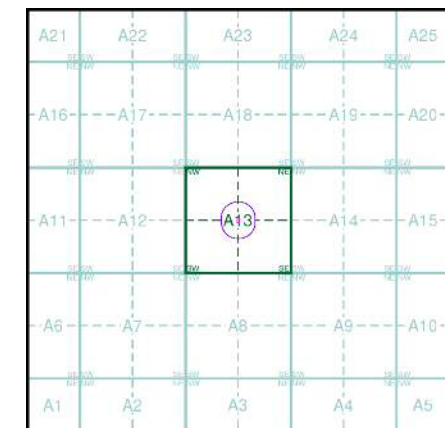
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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: 272991217\_1\_1  
Customer Ref: CP16393  
National Grid Reference: 311610, 166990  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

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0 400 m



310400 310600 310800 311000 311200 311400 311600 311800 312000 312200 312400 312600 312800



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### Historical Aerial Photography

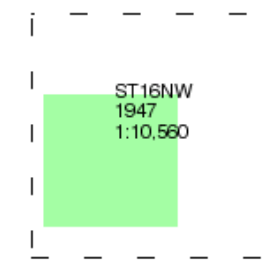
Published 1947

Source map scale - 1:10,560

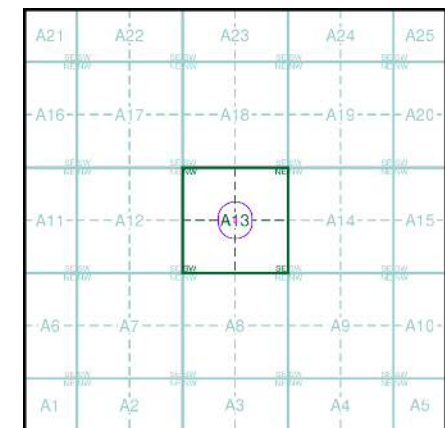
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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: 272991217\_1\_1  
Customer Ref: CP16393  
National Grid Reference: 311610, 166990  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

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0 400 m

B R I S T O L C H





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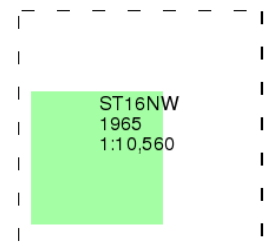
### Ordnance Survey Plan

Published 1965

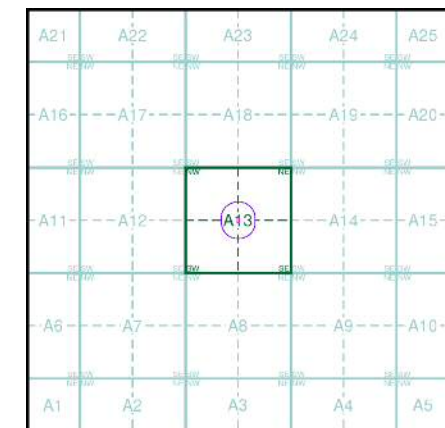
Source map scale - 1:10,000

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)



### Historical Map - Slice A



### Order Details

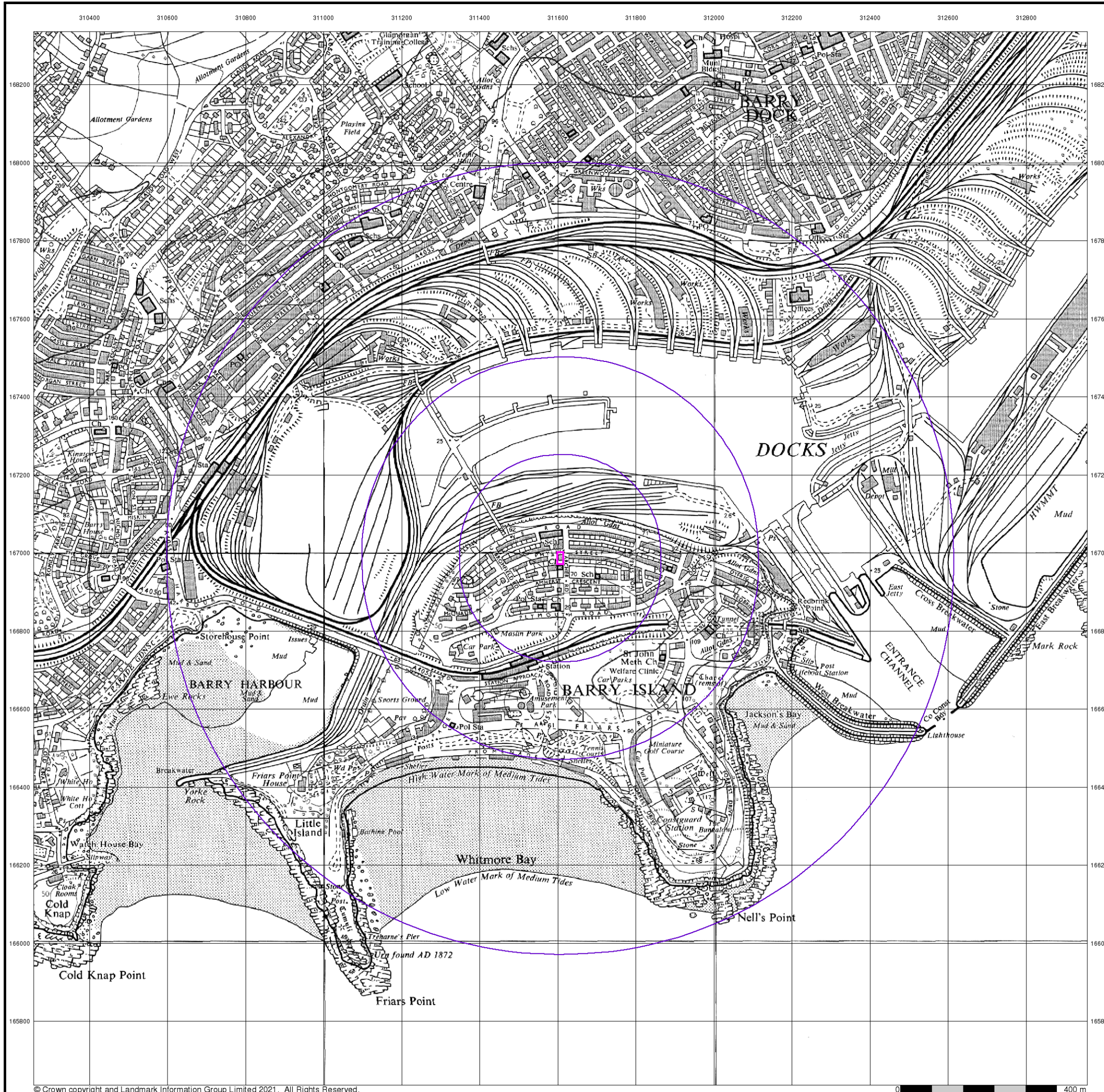
Order Number: 272991217\_1\_1  
Customer Ref: CP16393  
National Grid Reference: 311610, 166990  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

### Site Details

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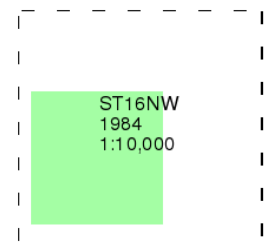
### Ordnance Survey Plan

Published 1984

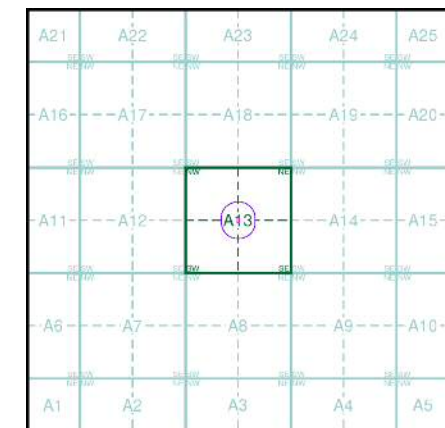
Source map scale - 1:10,000

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

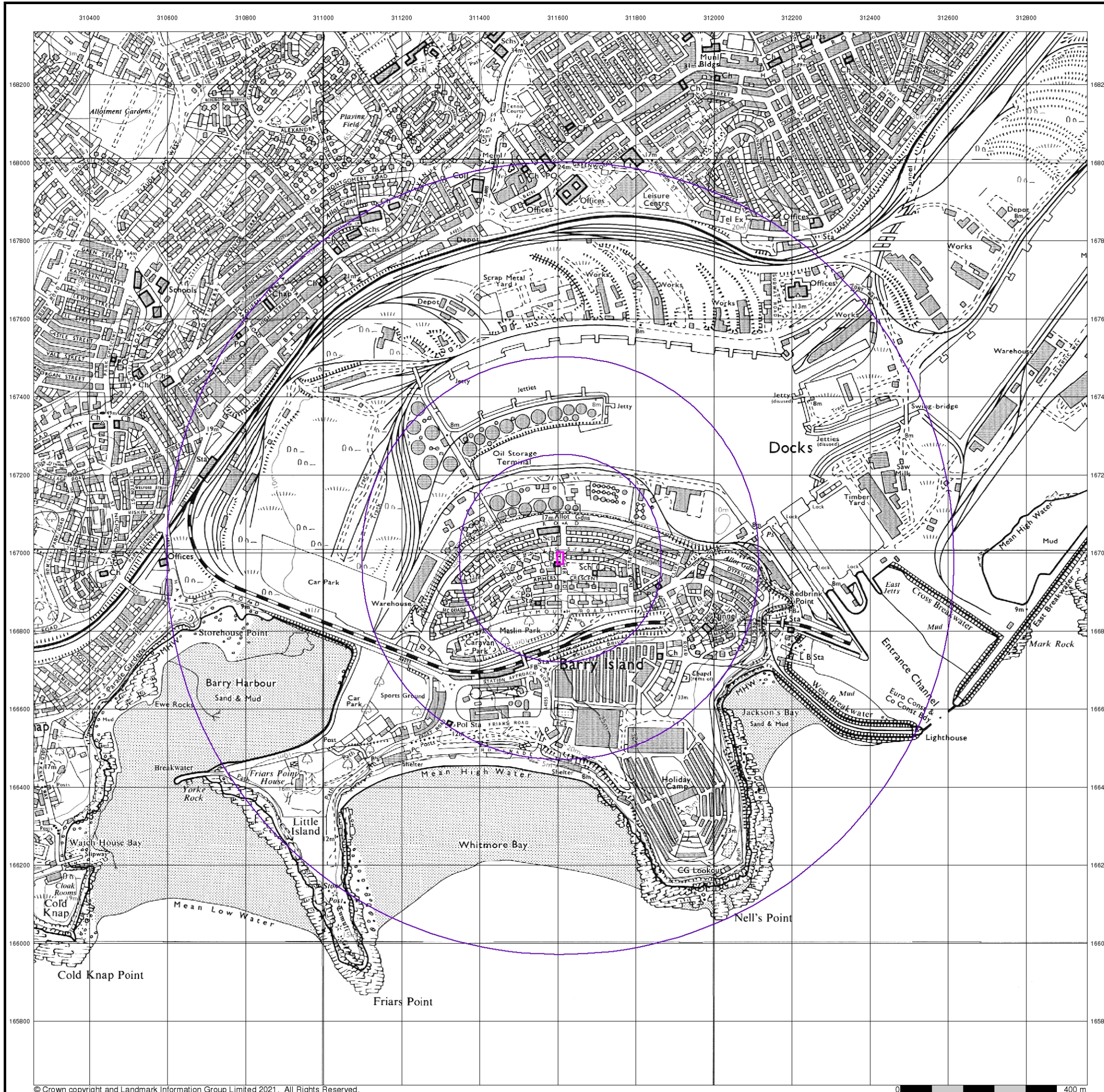
Order Number: 272991217\_1\_1  
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Slice: A  
Site Area (Ha): 0.05  
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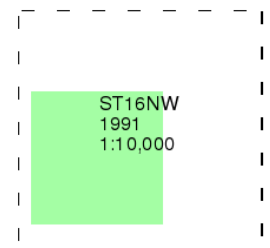
### Ordnance Survey Plan

Published 1991

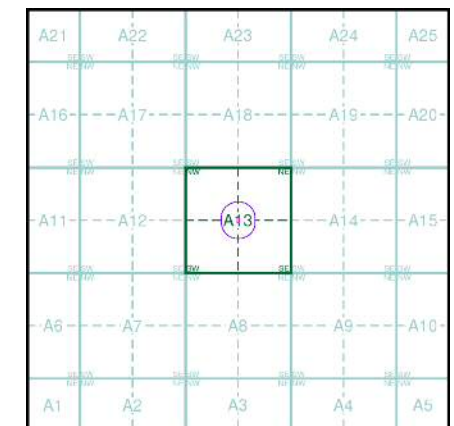
Source map scale - 1:10,000

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

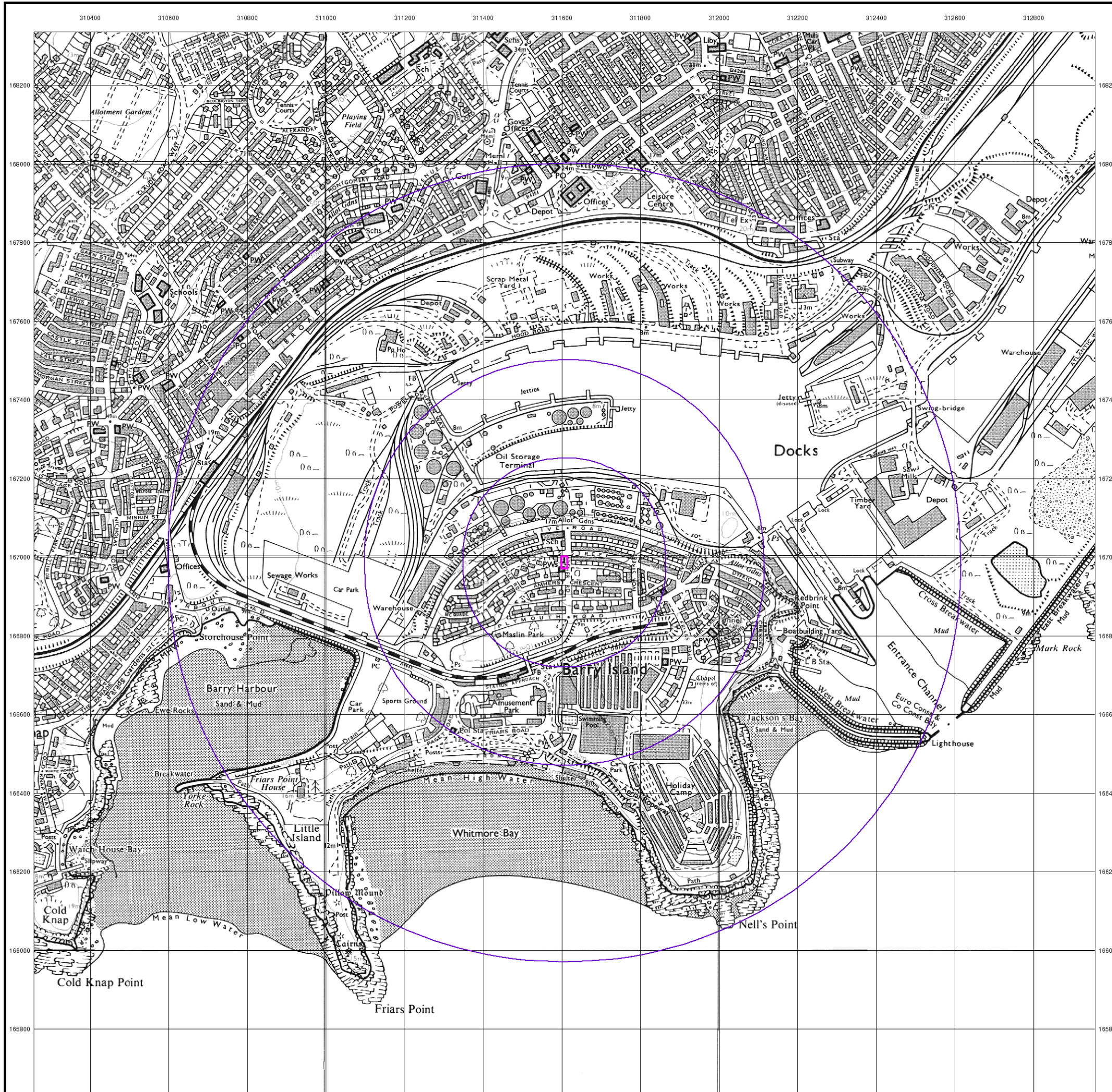
Order Number: 272991217\_1\_1  
Customer Ref: CP16393  
National Grid Reference: 311610, 166990  
Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

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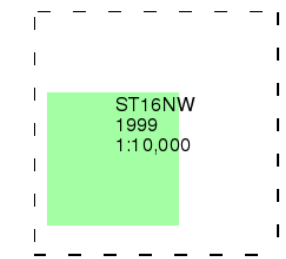
### 10k Raster Mapping

Published 1999

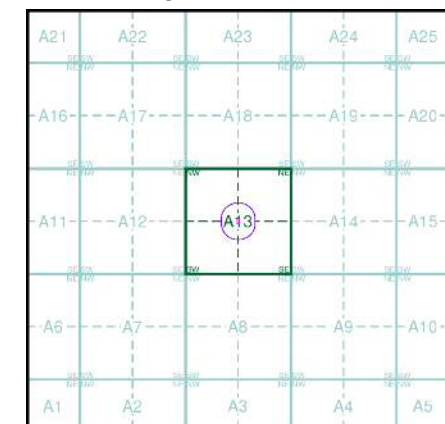
Source map scale - 1:10,000

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

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



### Historical Map - Slice A



### Order Details

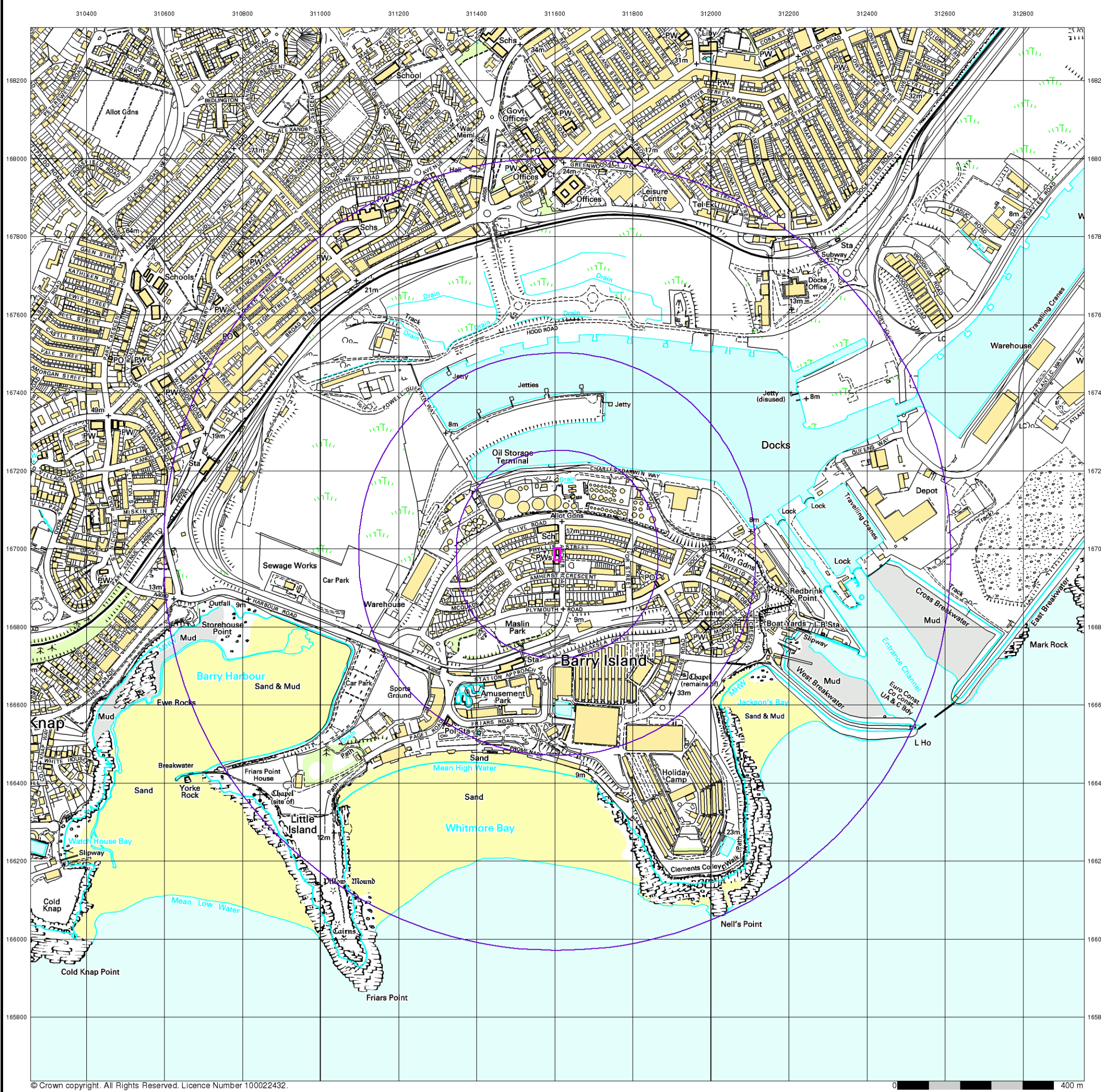
Order Number: 272991217\_1\_1  
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Slice: A  
Site Area (Ha): 0.05  
Search Buffer (m): 1000

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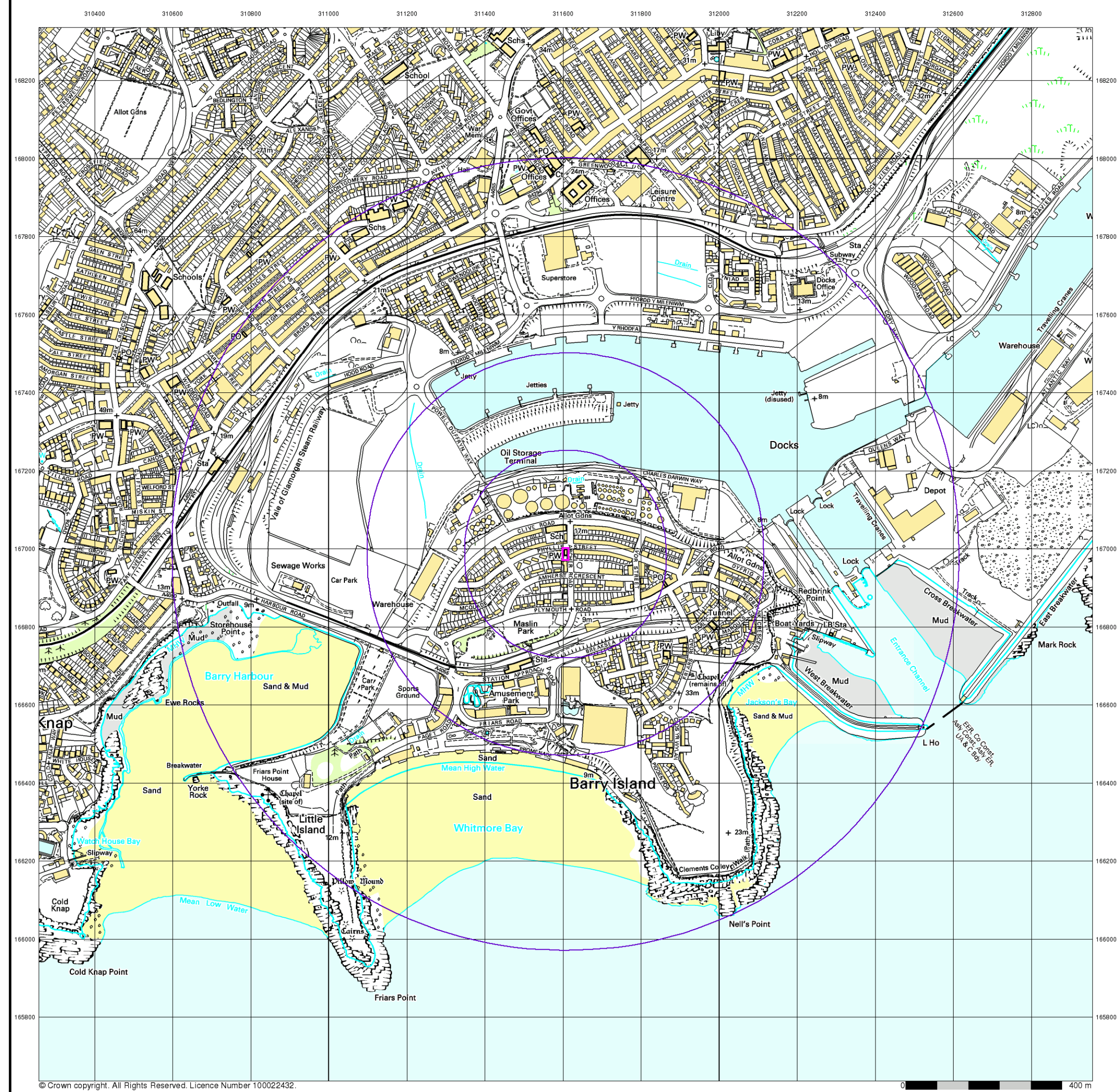
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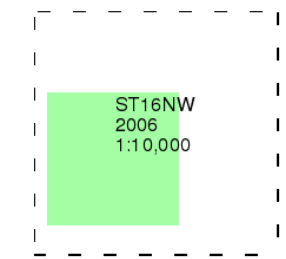
### 10k Raster Mapping

Published 2006

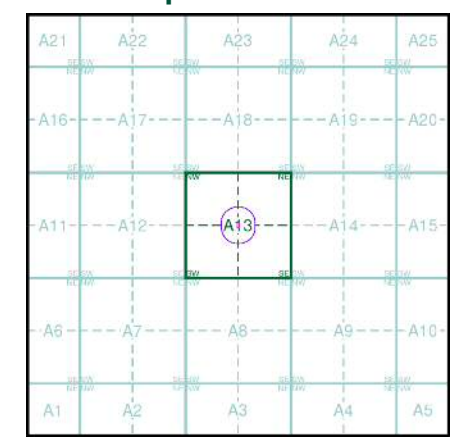
Source map scale - 1:10,000

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

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



### Historical Map - Slice A



### Order Details

Order Number: 272991217\_1\_1  
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 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

### Site Details

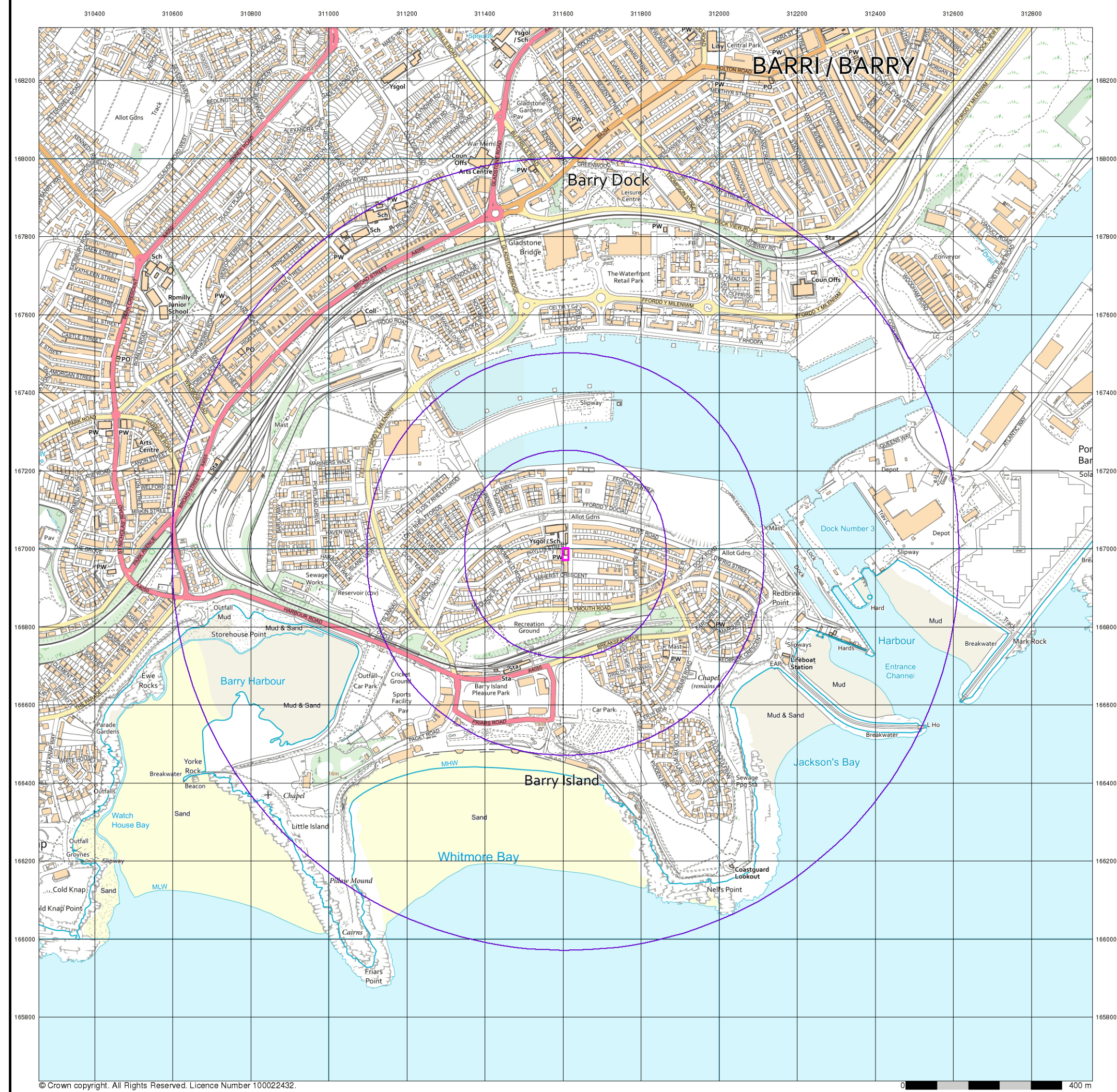
Bethany, Archer Road, BARRY, CF62 5UH



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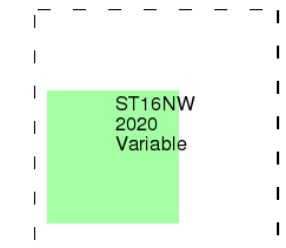
### VectorMap Local

Published 2020

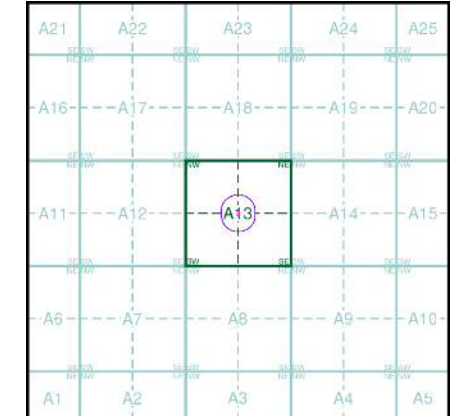
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

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



### Historical Map - Slice A



### Order Details

Order Number: 272991217\_1\_1  
 Customer Ref: CP16393  
 National Grid Reference: 311610, 166990  
 Slice: A  
 Site Area (Ha): 0.05  
 Search Buffer (m): 1000

### Site Details

Bethany, Archer Road, BARRY, CF62 5UH



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**Annex B**  
**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 1<sup>st</sup> April 2000 in England and 1<sup>st</sup> July 2001 in Wales. A similar regime was introduced in Scotland on 14<sup>th</sup> 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	<ul style="list-style-type: none"> <li>• Short term (acute) risk to human health likely to result in significant harm</li> <li>• Short term risk to controlled waters</li> <li>• Catastrophic damage to buildings/structures</li> <li>• Short term risk to an ecosystem or organism within the particular ecosystem</li> </ul>
Medium	<ul style="list-style-type: none"> <li>• Chronic damage to human health (long term risk)</li> <li>• Pollution of a sensitive water resource</li> <li>• A significant change in an ecosystem or organism within the ecosystem</li> </ul>
Mild	<ul style="list-style-type: none"> <li>• Pollution of non-sensitive water resources</li> <li>• Significant damage to buildings/structures</li> <li>• Damage to sensitive buildings/structure/services or the environment</li> </ul>
Negligible	<ul style="list-style-type: none"> <li>• Harm (not necessarily significant) which may result in financial loss</li> <li>• Non-permanent health effects to humans (easily prevented by PPE for example)</li> <li>• Easily repairable effects of structural (building) damage</li> </ul>

## Classification of Probability

Table B Classification of Probability	
Classification	Definition
High Likelihood	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Evidence of harm to the receptor</li> </ul>
Likely	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage which means that it is probable that an event will occur</li> <li>• The event is not inevitable but possible in short term and likely in the long term</li> </ul>
Low Likelihood	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage and circumstances are possible under which an event could occur</li> <li>• It is not certain that an event will occur in the long term, and it is less likely to occur in the short term</li> </ul>
Unlikely	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage but circumstances are such that it is improbable that an event would occur even in the long term</li> </ul>

## 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 C**  
**Windowless Sampled Borehole Logs**



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 www.terrafirmawales.co.uk

# Borehole Log

Borehole No.

**WS01**

Sheet 1 of 1

Project Name: St. Barrucs Church	Project No: 16393	Co-ords:	Hole Type WLS
Location: Barry	Level:		Scale 1:15
Client: Austin Partnership Limited	Dates: 12/02/2021 -		Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				Concrete slab	
				0.20				Loose yellowish brown SAND.	
				0.35				Loose to medium dense greyish brown slightly sandy fine and medium angular GRAVEL of limestone.	
				0.40				Loose black ashy SAND.	
				1.10				Firm dark greyish brown yellow mottled slightly sandy silty gravelly CLAY. Gravel is fine and medium angular of limestone.	
	1.00	SPT	N=13 (0,1/2,2,4,5)	1.10				Firm to stiff yellowish brown silty slightly gravelly CLAY. Gravel is fine and medium angular to subangular of mudstone.	1
				1.25				Firm to stiff yellowish brown very gravelly CLAY. Gravel is fine to coarse angular of mudstone lithorelicts.	
	2.00	SPT	50 (25,/50 for 235mm)	2.00				End of Borehole at 2.000m	2
									3

Remarks:





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# Borehole Log

Borehole No.

**WS02**

Sheet 1 of 1

Project Name: St. Barrucs Church	Project No: 16393	Co-ords:	Hole Type WLS
Location: Barry	Level:		Scale 1:25
Client: Austin Partnership Limited	Dates: 12/02/2021 -		Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.10				Concrete flag	
				0.20				Loose yellowish brown SAND.	
				0.35				Loose to medium dense greyish brown slightly sandy fine and medium angular GRAVEL of limestone.	
				0.45				Loose black ashy SAND.	
	1.00	SPT	N=23 (1,1/4,6,7,6)	1.10				Firm dark grey brown yellow mottled slightly sandy silty gravelly CLAY. Gravel is fine to coarse angular of limestone.	1
				1.25				Firm to stiff yellowish brown slightly gravelly CLAY. Gravel is fine and medium angular of limestone.	
								Firm to stiff yellowish brown grey mottled very gravelly CLAY. Gravel is fine to coarse angular of mudstone lithorelicts.	
	2.00	SPT	50 (25 for 100mm/50 for 275mm)	2.00				End of Borehole at 2.000m	2
									3
									4
									5

Remarks:

**Annex D**  
**Laboratory Soil Chemical Test Results**





## Results - Soil

**Project: St. Barucs Church, Barry**

Client: Terra Firma (Wales) Ltd		Chemtest Job No.:		21-04375	21-04375	21-04375	21-04375
Quotation No.: Q20-21666		Chemtest Sample ID.:		1141229	1141230	1141231	1141232
Order No.: CP		Client Sample Ref.:		WS01	WS01	WS02	WS02
		Client Sample ID.:		WS01	WS01	WS02	WS02
		Sample Type:		SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.35	0.6	0.3	0.5
		Bottom Depth (m):		0.4	0.7	0.4	0.6
		Date Sampled:		12-Feb-2021	12-Feb-2021	12-Feb-2021	12-Feb-2021
		Time Sampled:		12:00	12:00	12:00	12:00
		Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
ACM Detection Stage	U	2192		N/A	-	-	-
Moisture	N	2030	%	0.020	12	31	32
Soil Colour	N	2040		N/A	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Clay
pH	M	2010		4.0	9.8	8.4	8.5
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.52	2.1	2.1
Cyanide (Complex)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Sulphate (Acid Soluble)	M	2430	%	0.010	0.047	0.11	0.045
Arsenic	M	2450	mg/kg	1.0	20	17	15
Beryllium	U	2450	mg/kg	1.0	< 1.0	1.0	< 1.0
Cadmium	M	2450	mg/kg	0.10	0.49	1.2	0.19
Chromium	M	2450	mg/kg	1.0	19	26	22
Mercury Low Level	M	2450	mg/kg	0.05	0.48	< 0.05	0.12
Manganese	M	2450	mg/kg	5.0	550	1700	590
Molybdenum	M	2450	mg/kg	2.0	< 2.0	2.0	< 2.0
Antimony	N	2450	mg/kg	2.0	2.2	< 2.0	< 2.0
Copper	M	2450	mg/kg	0.50	43	23	38
Nickel	M	2450	mg/kg	0.50	35	24	31
Lead	M	2450	mg/kg	0.50	69	37	27
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	0.48
Zinc	M	2450	mg/kg	0.50	93	41	39
Chromium (Trivalent)	N	2490	mg/kg	1.0	19	26	11
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0

## Results - Soil

**Project: St. Barucs Church, Barry**

Client: Terra Firma (Wales) Ltd		Chemtest Job No.:		21-04375	21-04375	21-04375	21-04375
Quotation No.: Q20-21666		Chemtest Sample ID.:		1141229	1141230	1141231	1141232
Order No.: CP		Client Sample Ref.:		WS01	WS01	WS02	WS02
		Client Sample ID.:		WS01	WS01	WS02	WS02
		Sample Type:		SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.35	0.6	0.3	0.5
		Bottom Depth (m):		0.4	0.7	0.4	0.6
		Date Sampled:		12-Feb-2021	12-Feb-2021	12-Feb-2021	12-Feb-2021
		Time Sampled:		12:00	12:00	12:00	12:00
		Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD			
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	3.5	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	0.85	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	1.2	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	1.3	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	14	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	3.3	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	16	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	16	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	6.6	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	7.2	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	7.8	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	2.9	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	6.1	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	4.1	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	0.94	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	3.6	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	95	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30
Organic Matter BS1377	N	2930	%	0.10	1.3	3.7	3.2



## Test Methods

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

## **Report Information**

### **Key**

---

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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

### **Sample Deviation Codes**

---

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

### **Sample Retention and Disposal**

---

All soil samples will be retained for a period of 45 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](mailto:customerservices@chemtest.com)

**Annex E**  
**Geotechnical Test Results**



**TEST REPORT**  
**LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX**

**BS 1377:Part 2:1990. Clause 4.3/5.3/5.4**

<b>Project No:</b>	D21106	<b>Client:</b>	Terra Firma
<b>Project Name:</b>	St Barrucs Church	<b>Address:</b>	Deryn Court 5 Wharfdale Road Cardiff CF23 7HA
<b>ATS Sample No:</b>	23423		

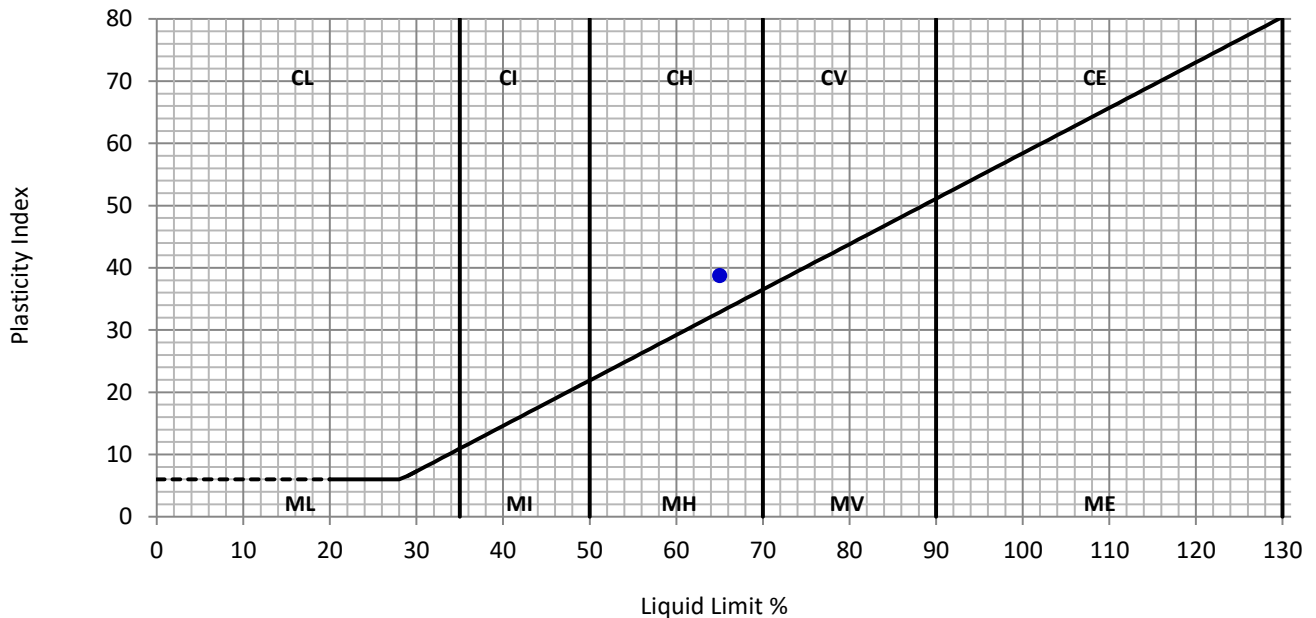
  

<b>Site Ref / Hole ID:</b>	WS01	<b>Depth (m):</b>	1.10 - 1.20
<b>Sample No:</b>		<b>Sample Type:</b>	Disturbed
<b>Sampling Certificate Received:</b>	No	<b>Material Description:</b>	Greenish grey slightly gravelly CLAY
<b>Location in Works:</b>	N/A	<b>Material Source:</b>	Unknown
<b>Date Sampled:</b>	Unknown	<b>Material Supplier:</b>	Unknown
<b>Sampled By:</b>	Client	<b>Specification:</b>	BS1377
<b>Date Received:</b>	15 February 2021	<b>Date Tested:</b>	17 February 2021

**Test Results**

Liquid Limit	65	%
Plastic Limit	26	%
Plasticity Index	39	%

Preparation:	4.2.4 Sieved Specimen
Proportion retained on 425µm sieve:	5 %



**Remarks:**

**TEST REPORT**  
**LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX**

**BS 1377:Part 2:1990. Clause 4.3/5.3/5.4**

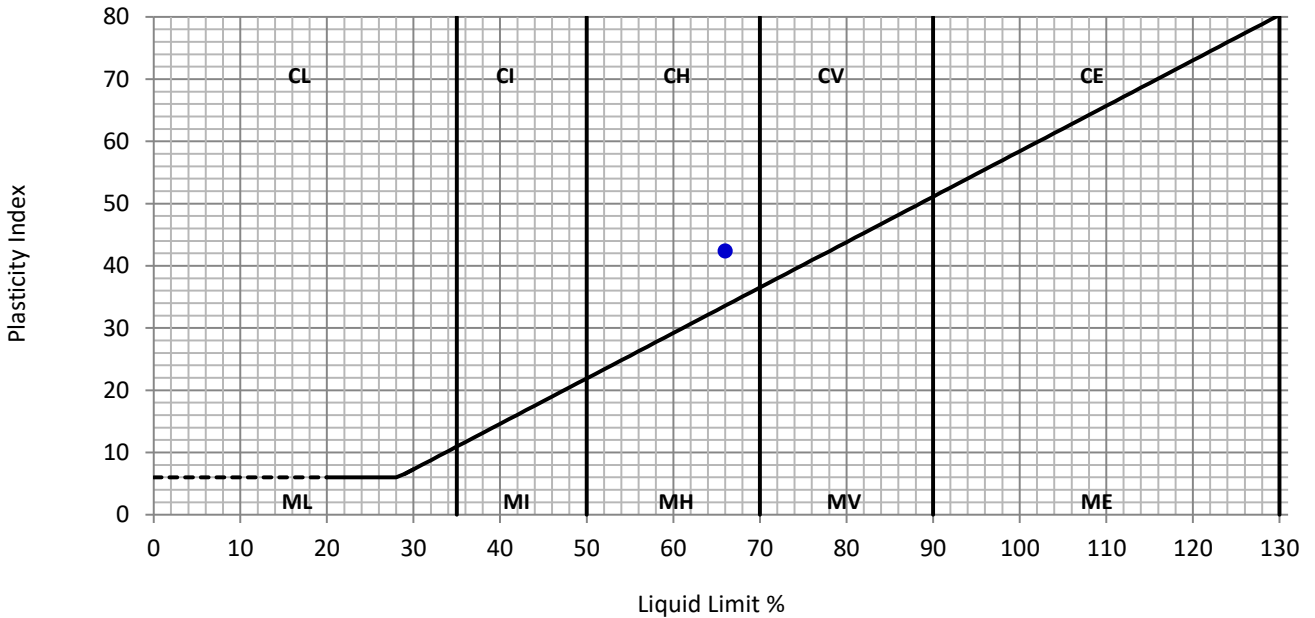
<b>Project No:</b>	D21106	<b>Client:</b>	Terra Firma
<b>Project Name:</b>	St Barrucs Church	<b>Address:</b>	Deryn Court 5 Wharfdale Road Cardiff CF23 7HA
<b>ATS Sample No:</b>	23424		

<b>Site Ref / Hole ID:</b>	WS02	<b>Depth (m):</b>	0.80 - 0.90
<b>Sample No:</b>		<b>Sample Type:</b>	Disturbed
<b>Sampling Certificate Received:</b>	No	<b>Material Description:</b>	Brownish grey CLAY
<b>Location in Works:</b>	N/A	<b>Material Source:</b>	Unknown
<b>Date Sampled:</b>	Unknown	<b>Material Supplier:</b>	Unknown
<b>Sampled By:</b>	Client	<b>Specification:</b>	BS1377
<b>Date Received:</b>	15 February 2021	<b>Date Tested:</b>	16 February 2021

**Test Results**

Liquid Limit	66	%
Plastic Limit	24	%
Plasticity Index	42	%

Preparation:	4.2.3 Natural Specimen
Proportion retained on 425µm sieve:	0 %





**Remarks:**

**DRAWINGS**





**Site Name: St. Barrucs Church, Barry**  
**Project Number: 16393**  
**Drawing Title: Site Locations**  
**Drawing Number: 01**  
**Scale: Not to scale**

**KEY**  
 **HDTP Locations**  
 **Borehole Locations**





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