



# Proposed Biomass Strategy Storage Facility at Wimbourne Road, Barry Docks

## Baseline Ground Conditions Report

A105832

JM Envirofuels Ltd

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## Executive Summary

The Site	The site occupies an area of approximately 1.59 hectares of largely open space with concrete hardstanding. The site is located within the defined boundary of Berth 31, Port of Barry, directly adjacent to Dock No. 2. It is proposed to use the site as a biomass storage facility.
Geology, Hydrogeology and Hydrology	<p>Superficial deposits at the site comprise tidal flat deposits overlain by site-wide Made Ground coverage. The solid geology underlying the site is recorded as the Mercia Mudstone Group, of Triassic age. Bedrock beneath the site is classified by the Environment Agency (EA) as a Secondary B aquifer. The site is not located within a source protection zone area.</p> <p>The closest watercourses are the adjacent Dock No. 2, located 30m from the south-western boundary and the Cadoxton river; located 500m to the south-east. The Bristol channel is located 1km to the south.</p>
Site History	Earliest maps (circa 1877) show the site to comprise generally open agricultural pasture land. By 1900 the site is shown to have undergone significant development and industrialisation comprising construction of multiple railways within the site boundary, and docks, factories, residential areas and associate infrastructure surrounding the site. Throughout the early 1900's there are signs of continual industrial use across the site and surrounding area, slowly declining towards the 1950's. By 1960 almost all railway tracks are no longer shown. Following this date, there has been little to no documented development on the site, other than the re-profiling of the relic railway sidings and eventual hardstanding construction observed on site at present.
Ground Investigation	<p>The site investigation work was undertaken by WYG on the 8<sup>th</sup> December 2017. The scope of the completed ground investigation comprised the following:</p> <ul style="list-style-type: none"> <li>• 7 No. Machine excavated (by JM Envirofuels Ltd) trial pits to a maximum depth of 0.80m BGL);</li> <li>• Collection of disturbed soil samples from exploratory positions for environmental laboratory testing;</li> <li>• 8 no. soil samples were scheduled for chemical testing of potential contaminants; and,</li> <li>• 3 No. leachate tests.</li> </ul>
Ground Conditions	Made Ground was encountered across the entire site up to a depth of 0.80m bgl. The base of the Made Ground was not proven. Groundwater was not encountered.
Laboratory Analysis	Soil and leachate samples underwent external laboratory analysis for a range of analytes. Laboratory results were screened against relevant screening guidelines. Screening of leachate samples against water quality standards highlighted a number of exceedances across the samples for determinands including; pH, ammoniacal nitrogen, cyanide, copper, benzene, Total Petroleum Hydrocarbon (TPH) aromatics EC5-EC7, EC10-EC12, >EC16-EC21 and EC21-EC35, fluorene, benzo(a)pyrene, and benzo(ghi)perylene.
Recommendations	<p>The ground investigation and subsequent analysis has provided a set of baseline data. The data indicates that some contamination is currently present in shallow soils beneath the site when compared with established screening values. However, the contamination does not preclude the use of the site as a storage area for biomass, and no remediation is required for this proposed end use.</p> <p>Further ground investigation will be required once the permitted activity ceases at the site to verify that contamination levels have not increased as a result of the usage by JM Envirofuels Ltd.</p>



# 1 Introduction

## 1.1 Instruction

WYG Environment Planning Transport Ltd (WYG) was commissioned by JM Envirofuels Ltd to undertake a desk study and intrusive ground investigation at a site on Wimbourne Road, Barry Dock, south Wales.

## 1.2 Brief

The ground investigation is required to provide information pertaining to baseline ground conditions, prior to developing the site as a Biomass Storage Facility, in order to satisfy the environmental permitting obligations and to inform leasing arrangements with the landowner (Associated British Ports).

The scope of the ground investigation, as requested by JM Envirofuels Ltd comprised the following elements:

- 7 No. trial pits (excavated by JM Envirofuels Ltd) to a maximum depth of 0.80m BGL;
- Logging of all soil arisings by a WYG Geo-Environmental Consultant;
- 8 no. disturbed soil samples taken and sent to an accredited laboratory for analysis for a general suite of potential contaminants including pH, cyanide, heavy metals/metalloids, speciated Polyaromatic Hydrocarbons (PAHS), Phenol, Total Petroleum Hydrocarbons (TPH), and an asbestos screen.
- 3 No. Leachate tests will be undertaken on 3 no soil samples to assess the potential mobility of contaminants.
- Factual reporting of findings with screening of data against established soil screening values.

## 1.3 Report Scope

This report summarises the work undertaken and includes the following key elements;

- Desk Top Study including a summary of historical mapping, general expected ground and groundwater conditions, and details of an Environmental Database Search of key relevant agencies;
- Full factual records of the site works carried out;
- Details of ground conditions encountered;
- *In situ* testing results; and



- Tier 1 screening of the chemical testing results against commonly accepted generic soil screening criteria values.

## 1.4 Limitations

This report has been prepared in accordance with the requirements of JM Envirofuels Ltd. It is subject to the report conditions contained in Appendix A **Error! Reference source not found.**

The information contained in this report is intended for the use of JM Envirofuels Ltd. WYG can take no responsibility for the use of this information by any third party or for uses other than that described in this report.



## 2 Site Information

### 2.1 Location

The application site (known hereafter as 'the site') is located at Berth 31, Wimbourne Road, Barry Dock, South Wales. The site is rectangular and approximately 1.59 hectare in size. The site is currently unoccupied. The site lies within the defined boundary of Berth 31, Port of Barry.

A site location plan is presented as Figure 1.

### 2.2 Site description

The site is level land predominantly covered by concrete hardstanding adjacent to Berth 31 of Dock No. 2 within the securely fenced Associated British Ports (ABP) docks complex. The site is orientated north east to south west with Dock No. 2 running parallel to the south-eastern margin. The south-eastern boundary is defined by David Davies Road and railway lines. The north western and south-western boundaries are formed by an elongated raised mound. The north-eastern boundary is undefined with a scrapyard immediately adjacent extending to the north. Vacant land is present to the north west and south west.

A site layout plan is included as Figure 2. The site boundary is detailed by the green line.

### 2.3 Geology

The anticipated geology at the site has been inferred from a review of England & Wales Geological Map Sheet 263: Cardiff (Solid Edition) and the online GeoIndex, published by the BGS. This indicates that the underlying geology comprises Mercia Mudstone Marginal Group of Triassic age. Superficial deposits of recent age are present in the form of tidal flat deposits and modern Made Ground is shown to overlie the site.

### 2.4 Hydrology

No. 2 Dock is located 30m from the south-western boundary. The Cadoxton River is located 550m to the south-east, running southwest towards the Bristol Channel. Freshwater ponds are present 300m north-east and 300m west. The Bristol Channel is located 1000m to the south.

### 2.5 Hydrogeology

The bedrock beneath the site is designated as a Secondary B aquifer. This denotes a predominantly lower permeability strata which may in part have the ability to store and yield limited amounts of groundwater by virtue of localised features such as fissures, thin permeable horizons and weathering. The site is not situated in an area designated as a source protection zone.



## 3 Site History

### 3.1 Introduction

The historical development of the site and surrounding area has been assessed using information available from historical aerial photographs and historical Ordnance Survey (OS) maps within the Envirocheck report for the site, which is presented in Appendix B of this report. In the context of historical development of the surrounding area, the descriptions are limited to significant features identified within approximately 500m of the site boundary unless otherwise specified in the following section.

### 3.2 Summary of Site History

Earliest maps from 1878 and 1885 show the centre of the site and much of the surrounding area to comprise generally open agricultural pasture land, with only minimal anthropogenic development. A meander of the Cadoxton River is shown to flow through the northern portion of the site at this time whilst the south of the site is occupied by an 'Old Brick Works'.

By 1900 the site and surrounding area has been subject to extensive development including the construction of multiple railway sidings across the site and development of the adjacent No. 2 Dock indicated to be for purposes of loading coal. The Cadoxton River is no longer shown to pass through the north of the site and is presumed to have been culverted or in-filled. To the north and west of the site there has been extensive development of the new town of Barry, with No. 1 Dock and further industrial development indicated approximately 800m to the southwest of the site.

During the mid-1950's, signs of reduction in industrial activity is apparent with the decommissioning of several railways within the site and surrounding area. However, development of factory buildings/warehouses continues in the local area. By 1960 most railways within the site boundary are no longer shown. Following this there has been little to no development within the site, other than re-profiling of the relic railway embankments and creation of the concrete hardstanding present today. A detailed review of the available historical mapping is presented in the table below.

**Table 1 – Site Historical Map Review**

Map Dates & Scales	Within Site Boundary	Surrounding Area (< 500m from site, unless specified)
<p>1878 Glamorganshire Map Series (1:2500)</p>	<p>The south of the site is shown to contain an old brick works. The far southern tip of the site extends into an area marked as the high-water mark of ordinary tides, with accompanying mooring posts. The north of the site is crossed by a NW-SW trending river channel (Cadoxton River).</p>	<p>110m north of the site a weir with sluice crosses the river adjacent to a corn mill. A further 100m upstream from this the river bank is marked with shooting stations. The remainder of the surrounding land generally comprises agricultural grazing fields (for sheep).</p>
<p>1885 Glamorganshire Map Series (1:10,560)</p>	<p>The old brick works are no longer labelled, though the buildings remain.</p>	<p>There are no significant changes from the previous map edition.</p>
<p>1900 Glamorganshire Map Series (1:2500) &amp; 1901 Glamorganshire Map Series (10,560)</p>	<p>The site is shown to comprise a series of parallel bunded railway tracks, perpendicular to the newly constructed dock adjacent to the site boundary. The buildings associated with the old brick works no longer remain.</p>	<p>50m NW of the site is the NE – SW trending Barry Railway, a multi-line system generally following the coast / docks. 100m NW of the site is the newly constructed town of Barry, a large residential settlement containing multiple Hotels, Schools and a Church. 15m SE of the site, Dock No. 2 has been constructed, a large dock with a timber pond connected to the northern tip. Coal tips are marked along the north-western bank of the dock. Dock No. 2 is connected to Dock No. 1 to the south. 500m SE from the site is a hydraulic engine house. A few small railway tracks exist adjacent to the southern boundary of the dock.</p>
<p>1920 Glamorganshire Map Series (1:2500) &amp; 1921 - 1922 Glamorganshire Map Series (1:10,560)</p>	<p>There are no significant changes from the previous map edition.</p>	<p>The Barry Railway to the NW of the site has increased in size, with the addition of seven new lines. Additional trackways have been constructed adjacent to the southern boundary of the dock. A transit shed has been constructed 500m south of the site. A fresh water reservoir is located 300m east of the site.</p>
<p>1943 Glamorganshire Map Series (1:2500) &amp;</p>	<p>One of the railway lines crossing the site is no longer shown.</p>	<p>Barry Railway has been renamed to G.W.R., presumed to refer to the Great Western Railway. A wagon works has been constructed 100m south-west of the site</p>

Map Dates & Scales	Within Site Boundary	Surrounding Area (< 500m from site, unless specified)
1938 – 1947 Glamorganshire Map Series (1:10,560)		boundary. Additional Transit Sheds have been constructed ~200m to the south-east. Magnesite Works are located 900m north-east of the site. The works comprise a pipe line leading to multiple circular features inferred to be tanks.
1955 – 1956 Ordnance Survey Plan (1:1250)	The railways within the site are no longer shown, with the exception of one ~10m long protrusion into the northern corner of the site. The railway embankments remain.	The extent of the wagon works has been increased. Travelling cranes are marked along the banks of the Dock. A cold storage depot is marked 200m east of the site. The large transit shed 200m south-east of the site is now shown to comprise an Enamel Products Factory.
1963 – 1973 Ordnance Survey Plan (1:1250) & 1965 Ordnance Survey Plan (1:10,000)	No railways are shown within the site boundary, although embankments remain.	Multiple small buildings to the south-east of the site are no longer shown. A transit shed 250m south of the site is now a mill. The timber pond is reduced in size.
1975 Ordnance Survey Plan (1:10,000)	There are no significant changes from the previous map edition.	Many additional warehouses and factories have been constructed in a trading estate from 300-1000m south of the site. Tanks are marked 800m north-east of the site.
1984 Ordnance Survey Plan (1:10,000)	There are no significant changes from the previous map edition.	The extent of the works 800m north-east of the site has been increased, comprising the construction of numerous additional tanks and buildings. The majority of the railway lines 150m north of the site are no longer shown, only four lines remain.
1986 – 1990 Additional SIMs (1:1250)	The site generally comprises open, flat space, with a small embankment constructed along the north-western site boundary.	David Davies road has been constructed. Two tanks are marked 175m south-west of the site boundary. More railways to the north of the site have been dismantled.
1991 Ordnance Survey Plan (1:10,000)	There are no significant changes from the previous map edition.	The size of the reservoir 300m north of the site is reduced. Embankments that remained as relics of the removed railway tracks have been levelled.
1993 Large-Scale National Grid Data (1:1250)	There are no significant changes from the previous map edition.	The extent of the depot and tanks 150m south-west of the site has been increased. The dismantled railway bordering the (removed) timber pond is shown again,



Map Dates & Scales	Within Site Boundary	Surrounding Area (< 500m from site, unless specified)
		however is thought to be dis-used. The railway runs adjacent to the dock and site boundary.
1999 10k Raster Mapping (1:10,000)	The position of the embankment is marked further south-east within the site.	Three additional buildings have been constructed at the depot 75m south-west of the site. A road has been constructed following the route of the old railways 100m north-west of the site. Only the mainline railway remains.
2018 Street View (1:10,000)	Detail of small scale features in this mapping format is poor. The site is shown to comprise open empty space.	The change in mapping format makes a comparison to the previous map edition difficult. It appears as though there have been no significant changes from the previous map edition.

## 4 Environmental Database Search

A search of an environmental database obtained for the site has been undertaken and is summarised in the following sections. The full database is provided within the Envirocheck report, included in Appendix B of this report. The following summary is generally limited to locations within 500m of the site boundaries unless it is considered that installations or activities beyond this range could potentially have an impact on the site, or be affected by the redevelopment of the site.

**Table 2 – Summary of Environmental Database Search**

Database Entry	Summary
Discharge Consents	There are 17 discharge consents within 250m of the site, and 10 between 251 to 500m of the site. The majority of these consents are operated by Welsh Water or Associated British Ports. Of these 27 consents, 19 have been revoked or expired.
Integrated Pollution Prevention and Controls	<p>There is 1 Integrated Pollution Prevention and Control (IPPC) record within 250m of the site and 3 between 251 to 500m from the site. The details of these are as follows:</p> <ul style="list-style-type: none"> <li>• 237m South - Premier Food Group (Barry Flour Mill) for Animal, Vegetable and Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day.</li> <li>• 266m South – Rank Hovis Ltd. (Barry Flour Mill) for Animal, Vegetable and Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day.</li> <li>• 341m South East – Alembic Manufacturing Ltd. (Barry Aluminium Chlorohydrate Plant) for Inorganic Chemicals; Gases Eg. Ammonia.</li> <li>• 341m South East - Alembic Manufacturing Ltd. (Barry Aluminium Chlorohydrate Plant) for Inorganic Chemicals; Gases Eg. Ammonia.</li> </ul>
Local Authority Pollution Prevention and Control	<p>There are 2 no. Local Authority Pollution Prevention and Control (LAPPC) records within 250m of the site, and 2 no. between 251 to 500m of the site.</p> <ul style="list-style-type: none"> <li>• 49m East – local authority air pollution related to coal, coke and coal product processes.</li> <li>• 49m East – local authority pollution prevention and control related to the blending, packing, loading and use of bulk cement.</li> <li>• 410m South – local authority air pollution control related to the blending, packing, loading and use of bulk cement.</li> <li>• 441m S – Local authority air pollution control related to the blending, packing, loading and use of bulk cement.</li> </ul>

<p>Prosecutions or pollution incidents relating to Controlled Waters</p>	<p>There are 3 no. recorded incidents within 1000m of the site.</p> <ul style="list-style-type: none"> <li>• 678m SE – Disposal of controlled waste on land without a waste management licence.</li> <li>• 953m E – Release of between 5.7 and 8.5 tonnes of VCM (vinyl chloride monomer) into the atmosphere from its sully plant.</li> <li>• 989m SE – Knowingly permitting controlled waste to be deposited at Hayes Lane.</li> </ul>
<p>Substantiated Pollution Incident Register</p>	<p>There are no entries within 250m of the site, however there are 2 no. entries between 251 to 500m from the site, as outlined below;</p> <ul style="list-style-type: none"> <li>• 277m East – Category 2 impact to land and water, Category 3 impact to air associated to Oils and Fuel: Mixed/Waste Oils.</li> <li>• 292m East – Category 2 impact to water and land, Category 3 impact to air associated Oils and Fuel: Mixed/Waste Oils.</li> </ul>
<p>Water Abstractions</p>	<p>There are no groundwater abstractions recorded within 250m of the site.</p> <p>There are 15 Water Abstractions within 1000m of the site. All of which are located between 754m - 796m to the south.</p>
<p>Landfill, Waste Management and Treatment Sites</p>	<p>There are 3 no. Historical Landfill Sites within 500m of the site, the details of which are as follows;</p> <ul style="list-style-type: none"> <li>• 182m North-East – Deposited waste included inert, industrial, household, special waste and liquid sludge. Last input date not specified.</li> <li>• 391m South-East - Deposited waste included inert, industrial, household, and special waste. Last input date July 1981.</li> <li>• 391m South-East - Deposited waste included inert, industrial, household, and special waste. Last input date July 1996.</li> </ul> <p>There are 2 no Local Authority Recorded Landfill Sites within 500m of the site boundary, as detailed below;</p> <ul style="list-style-type: none"> <li>• 381m South-East – Building Hardcore, Domestic</li> <li>• 381m South-East – Building Hardcore, Domestic</li> </ul> <p>There are 2. no. registered landfill site within 500m of the site boundary as detailed below;</p> <ul style="list-style-type: none"> <li>• 373m North-East – Landfill authorised to accept calcium sulphate filter cake, Carbon filters, Kieselguhr, Limestone, Silicon Gel and Spent Silicon. The source of the waste is from the licence holder; Dow Corning Factory.</li> <li>• 476m South-East – Landfill authorised to accept Glass, Office Rubbish, Packaging materials, Rubble, Hardcore, Concrete, Soil and Timber waste. There Is no known restriction on the source of waste</li> </ul>



	<p>There are 4 no. Licenced Waste Management Facilities within 500m of the site, detailed below;</p> <ul style="list-style-type: none"><li>• 282m North-East – Industrial waste landfill</li><li>• 99m North-East – Metal Recycling Sites (Mixed)</li><li>• 115m North-East – Use of waste in construction &lt;50,000 tps</li><li>• 389m South-East – End of life vehicles</li></ul>
BGS Recorded Mineral Sites	<p>There are no BGS recorded mineral sites within 500m, however; there are 8 BGS Recorded Mineral Sites within 1000m of the site all of which are considered to have ceased excavation. Commodities include Secondary Aggregates, Sandstone, Marine Sand and Gravel, and Limestone.</p>
Potentially in filled land	<p>The site is not recorded as potentially in filled land.</p>
Potential for Ground Stability Hazards	<p>The site is listed as very low to no hazard potential for all BGS ground stability assessments (Collapsible Ground, Compressible Ground, Ground Dissolution, Landslide Stability, Running Sand and Shrinking or Swelling Clay).</p>
Contemporary Trade Directory Entries	<p>There are 6 Contemporary Trade Directory Entries recorded within 250m of the site, only one of which is listed as active; Terry Auto Repairs (227m South West) for Garage Services.</p>
Fuel Station Entries	<p>There are no fuel station entries recorded with in 500m of the site.</p>



## 5 Preliminary Site Conceptual Model

### 5.1 Conceptual Site Model

The preliminary conceptual model for the site is presented and is based on the information in the preceding sections. The site is currently unused and undeveloped, comprising an open, level area of concrete hardstanding within a secure metal fenced complex.

It is understood that as part of the development of the site, proposed construction will comprise the creation of a Biomass Storage Facility within the site boundary.

The key source, pathway, receptor model is outlined below within the context of the proposed development.

#### 5.1.1 Sources

The main potential sources of contamination of the site are associated with existing surrounding features as well as historical land uses on and around the site, as summarised below.

##### On-Site Sources

- Made Ground associated with historic industrial use of the site including an old brick works, infilling of a river channel and railway sidings related to the extensive coal industry in the regional area.
- Site wide land profiling and flattening following the decommissioning of several railway lines on the site.
- Potential for asbestos containing materials in Made Ground associated with coal industry infrastructure and railways.
- Land-gas generated from on-site Made Ground.

##### Off-Site Sources

- Mobile contamination from adjacent land uses associated with current and historical industrial activity including multiple railway lines and above ground storage tanks.
- Leaching of potentially mobile contaminants from historical tipping into the adjacent dock.



- Mobile potential contamination from the nearby historic and current landfill/waste/pollution incident register.

### **5.1.2 Pathways**

The primary pathways by which sensitive receptors may come into contact with ground contamination are considered to be the following:

- Direct dermal contact of ingestion of soils, inhalation of gases/dust (i.e. human interaction with surface and sub-surface material)
- Leaching and horizontal or vertical migration of contaminants through unsaturated ground, either through permeable sub-surface materials and/or preferential pathways.
- Lateral and vertical migration of groundwater through permeable sub-surface materials and preferential pathways.
- Migration of potential contaminants into surface waters influenced by tidal fluctuations.
- Migration and accumulation of gases or vapour through permeable sub-surface materials and/or preferential pathways.
- Lateral and vertical migration through surface runoff.

### **5.1.3 Potential receptors at risk**

The following are considered to be sensitive receptors:

- Future site users;
- Construction workers during development;
- Underlying Secondary B Aquifer in bedrock deposits;
- Nearby surface waters;
- Adjacent land users;
- Future development infrastructure.



## 6 Site Investigation

The site investigation was undertaken on the 8<sup>th</sup> December 2017. Details of the fieldwork methods are given in the notes section at the end of this report.

### 6.1 Scope

The scope of the site investigation included the following:

- 7 No. Machine excavated (by JM Envirofuels Ltd) trial pits to a maximum depth of 0.80m BGL);
- Logging and collection of disturbed soil samples from exploratory positions by a WYG Geo-Environmental Consultant;
- 8 no. soil samples were scheduled for chemical testing of potential contaminants; see Section 5 for details of the analysis undertaken; and,
- 3 No. Leachate tests were undertaken. See Section 8 for details of the analysis undertaken.



## 7 Ground Conditions Encountered

### 7.1 Strata encountered

Made Ground was encountered across all the trial pit locations – the base of the Made Ground was not proven and found to be present to a depth of at least 0.80m BGL. Descriptions of the Made Ground are provided in the subsequent sections. Exploratory hole logs including photographic plates can also be seen in Appendix C.

#### 7.1.1 Made Ground

Made Ground was variable across the trial pit locations. Detailed descriptions can be found in the trial pit logs in Appendix C. Generally, the Made Ground was recovered as Dark grey brown very clayey silty sandy fine to coarse sub angular to angular GRAVEL of mixed lithology with rare concrete, brick and plastic fragments.

### 7.2 Groundwater

Groundwater was not encountered during the ground investigation.

### 7.3 Visual Evidence of Contamination encountered

No visual or olfactory evidence of contamination was encountered during the ground investigation.

### 7.4 Obstructions

Apart from the concrete hardstanding covering the majority of the site, obstructions were not encountered during the ground investigation.

## 8 Laboratory Testing

### 8.1 Environmental Testing

The environmental chemistry was investigated by specialist chemical analysis of selected soil and leachate samples carried out by ALS Environmental Ltd, which is an approved supplier in accordance with the requirements of WYGs quality system and is UKAS and MCERTS accredited for a range of chemical analyses. The testing was scheduled by WYG and is summarised in Tables 3 and 4. The test results for the samples are included in Appendix D.

**Table 3 - Summary of environmental testing (Soil)**

Test suite	No.
Fraction Organic Carbon	8
Phenols	8
Inorganic Suite (water soluble sulphate (as SO <sub>4</sub> ), pH and Easily Liberatable Cyanide)	8
Metals Suite (arsenic, beryllium, cadmium, chromium (total, trivalent and hexavalent), copper, lead, mercury, nickel, selenium, vanadium and zinc)	8
Asbestos Screen	8
TPH Criteria Working Group (speciated aliphatic and aromatic compounds, BTEX and MTBE)	8
PAH (naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benz(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene)	8

**Table 4 - Summary of environmental testing (Leachate)**

Test suite	No.
Organic Carbon	3
Inorganics (Nitrite as NO <sub>2</sub> , pH, Sulphate, Chloride, Ammoniacal Nitrogen as NH <sub>3</sub> , Total Cyanide, Ammoniacal Nitrogen as NH <sub>4</sub> , Nitrate as NO <sub>3</sub> , Total Alkalinity as CaCO <sub>3</sub> )	3
Metals and Metalloids (Mercury, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Copper, Lead, Molybdenum, Nickel, Selenium, Zinc)	3
Phenol	3
TPH-CWG Banded Hydrocarbons (Aliphatics >EC5-EC6, >EC6-EC8, >EC8-EC10, >EC10-EC12, >EC12-EC16, >EC16-EC21, >EC21-EC35, and Aromatics >EC5-EC7, >EC7-EC8, >EC8-EC10, >EC10-EC12, >EC12-EC16, >EC16-EC21, >EC21-EC35)	3
BTEX and MTBE (Benzene, Toluene, Ethylbenzene, Xylene and Methyl Tert Butyl Ether)	3
Speciated PAHs (Naphthalene, Acenaphthene, Acenaphthylene, Fluoranthene, Anthracene, Phenanthrene, Fluorene, Chrysene, Pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene, Indeno(1,2,3-c,d)pyrene)	3



## 9 Tier 1 Screening

### 9.1 Soils

Screening of the chemical testing results against commonly accepted generic soil screening criteria values for a commercial/industrial land use scenario (soil organic matter 1%) has been undertaken. This is the most appropriate land-use scenario based on the proposed end use of the site for the Proposed Biomass Storage Facility. Table 5 summarises the chemical data and specifies a pass/fail for each determinand with respect to the screening criteria.

**Table 5 – Tier 1 Soil Screening Table**

Determinand	Units	Screening Value	Max	Pass/Fail
Asbestos Screen	N/A	presence	None Detected	Pass
Chromium, Hexavalent	mg/kg	49	<0.6	Pass
Boron	mg/kg	240,000	3.77	Pass
Arsenic	mg/kg	640	13.6	Pass
Beryllium	mg/kg	12	1.27	Pass
Cadmium	mg/kg	410	1.94	Pass
Chromium	mg/kg	8,600	800	Pass
Copper	mg/kg	68,000	224	Pass
Lead	mg/kg	2,300	138	Pass
Mercury	mg/kg	1,100	0.536	Pass
Nickel	mg/kg	980	80.5	Pass
Selenium	mg/kg	12,000	4.62	Pass
Vanadium	mg/kg	9,000	114	Pass
Zinc	mg/kg	730,000	1510	Pass
Phenol	mg/kg	440	<0.01	Pass
Methyl tertiary butyl ether (MTBE)	mg/kg	7900	<0.005	Pass
Benzene	mg/kg	27	<0.01	Pass
Toluene	mg/kg	56,000	0.036	Pass
Ethylbenzene	mg/kg	5,700	<0.003	Pass
m,p,o-Xylene	mg/kg	5,900	<0.006 (m,p), 0.0112 (o)	Pass
Aliphatics >C5-C6	mg/kg	3,200	<0.01	Pass
Aliphatics >C6-C8	mg/kg	7,800	0.013	Pass
Aliphatics >C8-C10	mg/kg	2,000	0.0413	Pass
Aliphatics >C10-C12	mg/kg	9,700	0.0283	Pass
Aliphatics >C12-C16	mg/kg	59,000	3.75	Pass

Determinand	Units	Screening Value	Max	Pass/Fail
Aliphatics >C16-C35	mg/kg	1,000,000	13.7 (C16-21), 138 (C16-35)	Pass
Aliphatics >C35-C44	mg/kg	1,000,000	228	Pass
Aromatics >EC7-EC8	mg/kg	56,000	<0.01	Pass
Aromatics >EC8-EC10	mg/kg	3,500	0.0354	Pass
Aromatics >EC10-EC12	mg/kg	16,000	0.0189	Pass
Aromatics >EC12-EC16	mg/kg	36,000	9.41	Pass
Aromatics >EC16-EC21	mg/kg	28,000	87.1	Pass
Aromatics >EC21-EC35	mg/kg	28,000	480	Pass
Aromatics >EC35-EC44	mg/kg	28,000	476	Pass
Naphthalene	mg/kg	190	0.413	Pass
Acenaphthylene	mg/kg	83,000	0.381	Pass
Acenaphthene	mg/kg	84,000	0.234	Pass
Fluorene	mg/kg	63,000	0.369	Pass
Phenanthrene	mg/kg	22,000	2.97	Pass
Anthracene	mg/kg	520,000	1.01	Pass
Fluoranthene	mg/kg	23,000	8.52	Pass
Pyrene	mg/kg	54,000	8.63	Pass
Benz(a)anthracene	mg/kg	170	7.35	Pass
Chrysene	mg/kg	350	6.89	Pass
Benzo(b)fluoranthene	mg/kg	44	9.52	Pass
Benzo(k)fluoranthene	mg/kg	1,200	3.68	Pass
Benzo(a)pyrene	mg/kg	35	6.67	Pass
Indeno(1,2,3-cd)pyrene	mg/kg	500	3.87	Pass
Dibenzo(a,h)anthracene	mg/kg	3.5	1.68	Pass
Benzo(g,h,i)perylene	mg/kg	3,900	3.97	Pass
Cyanide, Easily liberatable (low level)	mg/kg	40	<0.5	Pass

The Tier 1 Screening exercise has indicated no exceedances of the commercial land use screening values.

## 9.2 Leachates

Screening of the leachate chemical testing results against commonly accepted water screening criteria values (Environmental Quality Standards and Drinking Water Standards) has been undertaken. Table 6 summarises the chemical data and specifies a pass/fail for each determinand with respect to the screening criteria.



**Table 6 – Tier 1 Leachate Screening Table**

Determinand	Units	Screening Value	Max	Pass/Fail
Electrical Conductivity @ 20 deg C	µS/cm	1,000	373	Pass
Nitrite as NO <sub>2</sub>	µg/l	500	<5	Pass
pH	pH Units	6.0 to 9.0	11.32	Fail
Sulphate	µg/l	250,000	31,100	Pass
Chloride	µg/l	250,000	2,500	Pass
Ammoniacal Nitrogen as NH <sub>3</sub>	µg/l	300	2,710	Fail
Ammoniacal Nitrogen as NH <sub>4</sub>	µg/l	300	<300	Pass
Cyanide, Total	µg/l	1	<50	Fail
Nitrate as NO <sub>3</sub>	µg/l	50,000	3,000	Pass
Mercury	µg/l	0.07	<0.01	Pass
Antimony	µg/l	5	3.1	Pass
Arsenic	µg/l	10	6.03	Pass
Barium	µg/l	700	24.8	Pass
Boron	µg/l	1000	194	Pass
Cadmium	µg/l	0.08	<0.08	Pass
Chromium	µg/l	50	2.95	Pass
Copper	µg/l	1	22.8	Fail
Lead	µg/l	1.2	0.5665	Pass
Molybdenum	µg/l	70	12.1	Pass
Nickel	µg/l	4	0.562	Pass
Selenium	µg/l	10	1.11	Pass
Zinc	µg/l	10.9	2.01	Pass
Phenol	µg/l	7.7	<2	Pass
Methyl tertiary butyl ether (MTBE)	µg/l	15	3	Pass
Benzene	µg/l	1	<7	Fail
Toluene	µg/l	74	4	Pass
Ethylbenzene	µg/l	20	5	Pass
Sum of detected Xylenes	µg/l	30	11	Pass
Aliphatics >C5-C6	µg/l	10	<10	Pass
Aliphatics >C6-C8	µg/l	10	<10	Pass
Aliphatics >C8-C10	µg/l	10	<10	Pass
Aliphatics >C10-C12	µg/l	10	<10	Pass
Aliphatics >C12-C16	µg/l	10	<10	Pass
Aliphatics >C16-C21	µg/l	10	<10	Pass
Aliphatics >C21-C35	µg/l	10	<10	Pass
Aromatics >EC5-EC7	µg/l	1	<10	Fail
Aromatics >EC7-EC8	µg/l	10	<10	Pass
Aromatics >EC8-EC10	µg/l	10	<10	Pass

Determinand	Units	Screening Value	Max	Pass/Fail
Aromatics >EC10-EC12	µg/l	2	<10	Fail
Aromatics >EC12-EC16	µg/l	10	<10	Pass
Aromatics >EC16-EC21	µg/l	0.00017	<10	Fail
Aromatics >EC21-EC35	µg/l	0.0082	<10	Fail
Naphthalene	µg/l	2	0.0243	Pass
Anthracene	µg/l	0.1	<0.005	Pass
Fluorene	µg/l	0.0063	0.0212	Fail
Benzo(b)fluoranthene	µg/l	0.017	0.00005	Pass
Benzo(k)fluoranthene	µg/l	0.017	0.00005	Pass
Benzo(a)pyrene	µg/l	0.00017	0.083	Fail
Benzo(g,h,i)perylene	µg/l	0.0082	0.0302	Fail
PAH (Sum of BbF, BkF, BghiP and I123cdP)	µg/l	0.1	0.04072	Pass

The Tier 1 Screening exercise has indicated a number of exceedances of the screening values used, for pH, Ammoniacal Nitrogen as NH<sub>3</sub>, Total Cyanide, Copper, Benzene, Aromatics >EC5-EC7, >EC10-EC12, >EC16-EC21 and >EC21-EC35, Fluorene, Benzo(a)pyrene, and Benzo(g,h,i)perylene. However, for several substances (namely cyanide and various TPH fractions) it should be noted that the failures are as a result of the limit of detection of the test being lower than the screening value used.



## 10 Conclusions and Recommendations

From the data obtained, a number of conclusions can be drawn. The majority of substances analysed for are below the relevant generic assessment criteria. This indicates that the site is currently suitable for the proposed commercial use with regards to human health, although if the use of the land was to change then further work and risk assessment may be required.

There are some exceedances of screening guidelines for the leachate samples; these are pH, ammoniacal nitrogen as  $\text{NH}_3$ , cyanide, copper, benzene, TPH aromatics EC5-EC7, EC10-EC12, EC16-EC21 and EC21-EC35, fluorene, benzo(a)pyrene, and benzo(g,h,i)perylene. The leachate test that is undertaken is a stringent one which does not accurately represent natural leaching processes; a stronger acid is used in the preparation of the test than the weak acid which occurs in nature as rainfall, and would therefore leach more of the substances from the soil than would otherwise be the case. Furthermore, the screening values used largely relate to conservative drinking water standards and so are also particularly stringent. Taking account of these two factors results it is concluded that the soils on site are unlikely pose a risk of significant harm to controlled waters or other off site receptors.

The ground investigation and subsequent chemical analysis has provided a baseline data set against which future investigations can be compared. The data indicates that some contamination is present and that this would need to be reassessed to confirm that the proposed on-site use had not increased the presence of identified contaminants. However, the contamination does not preclude the use of the site as a storage area for biomass, and no remediation is required for the proposed site use.

Further ground investigation will be required once the permitted activity ceases at the site to verify that contamination concentrations have not increased as a result of the usage of the site by JM Envirofuels Ltd.

## Notes

### 1. Standards

All boring operations, sampling of soils, *in situ* testing and geotechnical laboratory testing have been carried out in accordance with the recommendations of the British Standards BS 5930 (2015)<sup>(1)</sup>, BS 1377 (1990)<sup>(2)</sup> and BS10175 (2001)<sup>(3)</sup>.

Soil and rock descriptions follow the recommendations of BS 593. Where descriptions or classifications are based on other documents (e.g. BS 8004 (1986) or CIRIA Project Report 11 (1993)), this is stated in the report text.

### 2. Site methods

Unless specifically stated otherwise, the following methods are used for exploratory holes.

- Holes described as cable percussive are bored using a light cable percussive rig. Standard penetration tests are carried out where appropriate, as shown in the logs. Disturbed and undisturbed samples are taken from the exploratory holes at the depths on the records.
- Window sampling generally uses the windowless sampling method, using a tracked Geotool.
- Dynamic probes are usually heavy dynamic probes, using the same tracked Geotool used for window sampling.

### 3. Definitions and abbreviations

The following terms are used in the exploratory hole logs

#### Samples

U	Undisturbed 102mm dia. sample
TW	Thin Walled undisturbed 102mm dia. sample
B	Bulk sample
D	Small disturbed sample
W	Water sample
CBR	California Bearing Ratio test or CBR value obtained from Mexiprobe test

#### In situ tests

S	Standard penetration test (SPT)
N	SPT N value (blows/300mm)
HP	Hand penetrometer – shear strength
SV	Hand shear vane – shear strength
VOC	Volatile organic compounds (ppm)
PID	Photo-ionisation detector – used to detect the presence of VOCs.

#### Core recovery and rock quality

TCR	Total core recovery (%)
SCR	Solid core recovery (%)
RQD	Rock quality designation (%)
FI	Fracture index
NR	No recovery
NI	Not intact

#### Rotary drilling sizes

Index letter	Nominal diameter (mm)	
	Borehole	Core
N	75	54
H	99	76
P	120	92
S	146	113

#### Water strikes

▽	Level of water strike
▼	Water level rose to this level (see Remarks at foot of log for details)

Depth means depth below existing ground level unless otherwise specified. Values specified in soil descriptions given in the exploratory hole logs are depths unless otherwise specified.



## Figures



## Figure 1 - Site Location Plan



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REV	DESCRIPTION	BY	CHK	APP	DATE
-----	-------------	----	-----	-----	------

5th FLOOR  
LONGCROSS COURT  
47 NEWPORT ROAD  
CARDIFF  
CF24 0AD  
TEL: +44 (0)29 2082 9200  
FAX: +44 (0)29 2045 5321  
e-mail: cardiff@wyg.com



Client:  
**JM ENVIROFUELS LTD**

Project:  
**BARRY DOCKS**

Drawing Title:  
**SITE LOCATION PLAN**

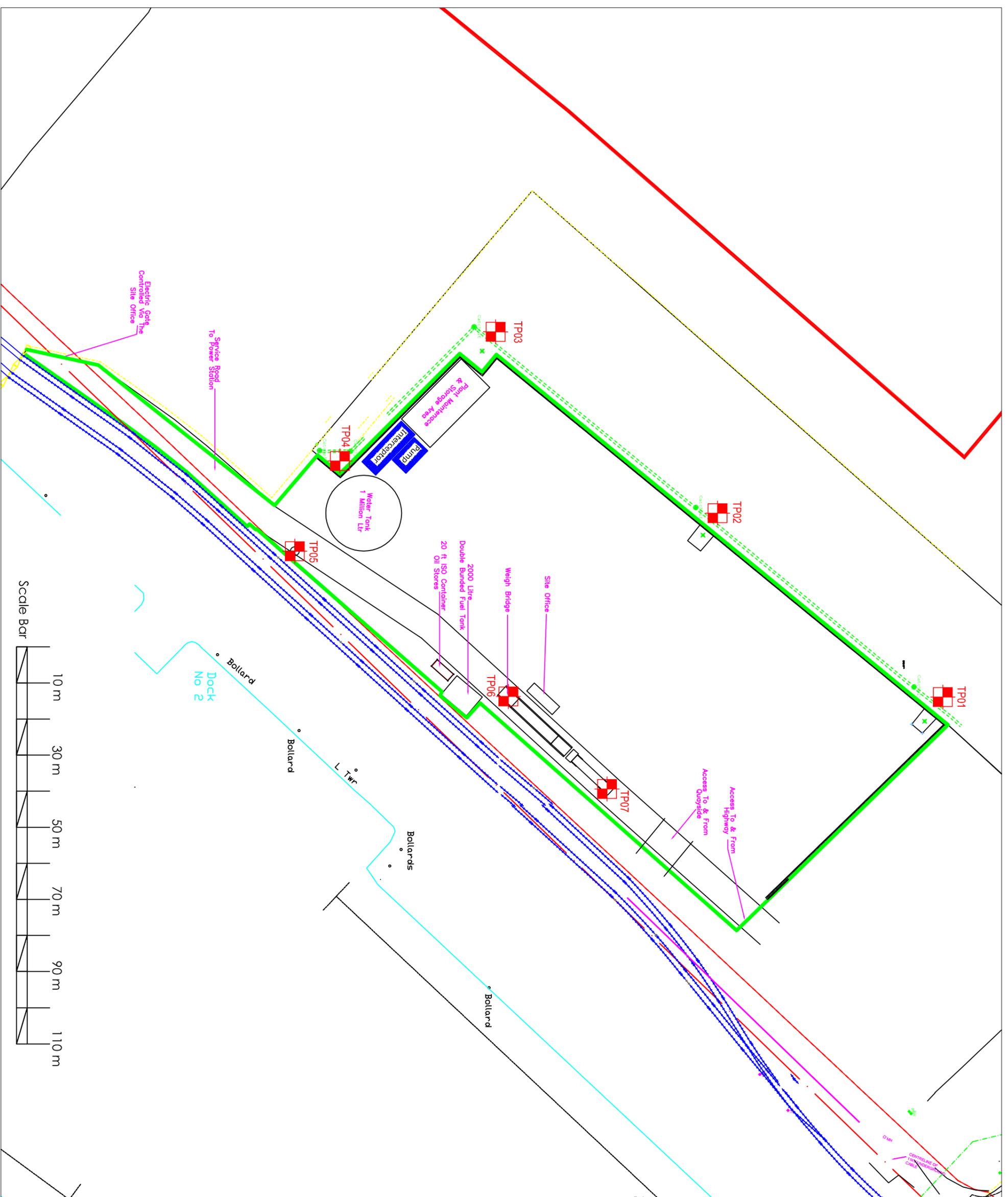
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NTS		PP	15.01.18	NP	15.01.18	SJ	15.01.18
Project No.	A105832	Office	CDF	Type	N	Drawing No.	1
						Revision	00



## Figure 2 - Site Layout Plan

**LEGEND:**  
 **TRIAL PIT LOCATIONS**

**Note:**  
 Plan based on JM Envirofuels Barry Proposed Layout Plan - Infrastructure and Stores. Dwg No BAR001 - Test Pits Rev A (20.10.17).



REV	DESCRIPTION	BY	CHK	APP	DATE

Client: **JM ENVIROFUELS LTD**

5th FLOOR  
 LONGCROSS COURT  
 47 NEWPORT ROAD  
 CARDIFF  
 CF24 0AD  
 TEL: +44 (0)29 2082 9200  
 FAX: +44 (0)29 2045 5321  
 e-mail: cardiff@wvg.com



Project: **BARRY DOCKS**

Drawing Title:  
**SITE INVESTIGATION LAYOUT PLAN**

Scale @	Drawn	Date	Checked	Date	Approved	Date
NTS	PP	16.01.18	NP	16.01.18	SJ	16.01.18
Project No.	Office	Type	Drawing No.	Revision		
A105832	CDF	N	2	00		



## Appendices



## Appendix A – Report Conditions



## APPENDIX A - REPORT CONDITIONS

### Desk Study Report

This report is produced solely for the benefit of *JM Envirofuels Ltd* and no liability is accepted for any reliance placed on it by any other party unless specifically agreed in writing otherwise.

This report refers, within the limitations stated, to the condition of the site at the time of the inspections. No warranty is given as to the possibility of future changes in the condition of the site.

This report is based on a visual site inspection, reference to accessible referenced historical records, information supplied by those parties referenced in the text and preliminary discussions with local and Statutory Authorities. Some of the opinions are based on unconfirmed data and information and are presented as the best that can be obtained without further extensive research. Where ground contamination is suspected but no physical site test results are available to confirm this, the report must be regarded as initial advice only, and further assessment should be undertaken prior to activities related to the site. Where test results undertaken by others have been made available these can only be regarded as a limited sample. The possibility of the presence of contaminants, perhaps in higher concentrations, elsewhere on the site cannot be discounted.

Whilst confident in the findings detailed within this report because there are no exact UK definitions of these matters, being subject to risk analysis, we are unable to give categorical assurances that they will be accepted by Authorities or Funds etc. without question as such bodies often have unpublished, more stringent objectives. This report is prepared for the proposed uses stated in the report and should not be used in a different context without reference to WYG. In time, improved practices or amended legislation may necessitate a re-assessment.

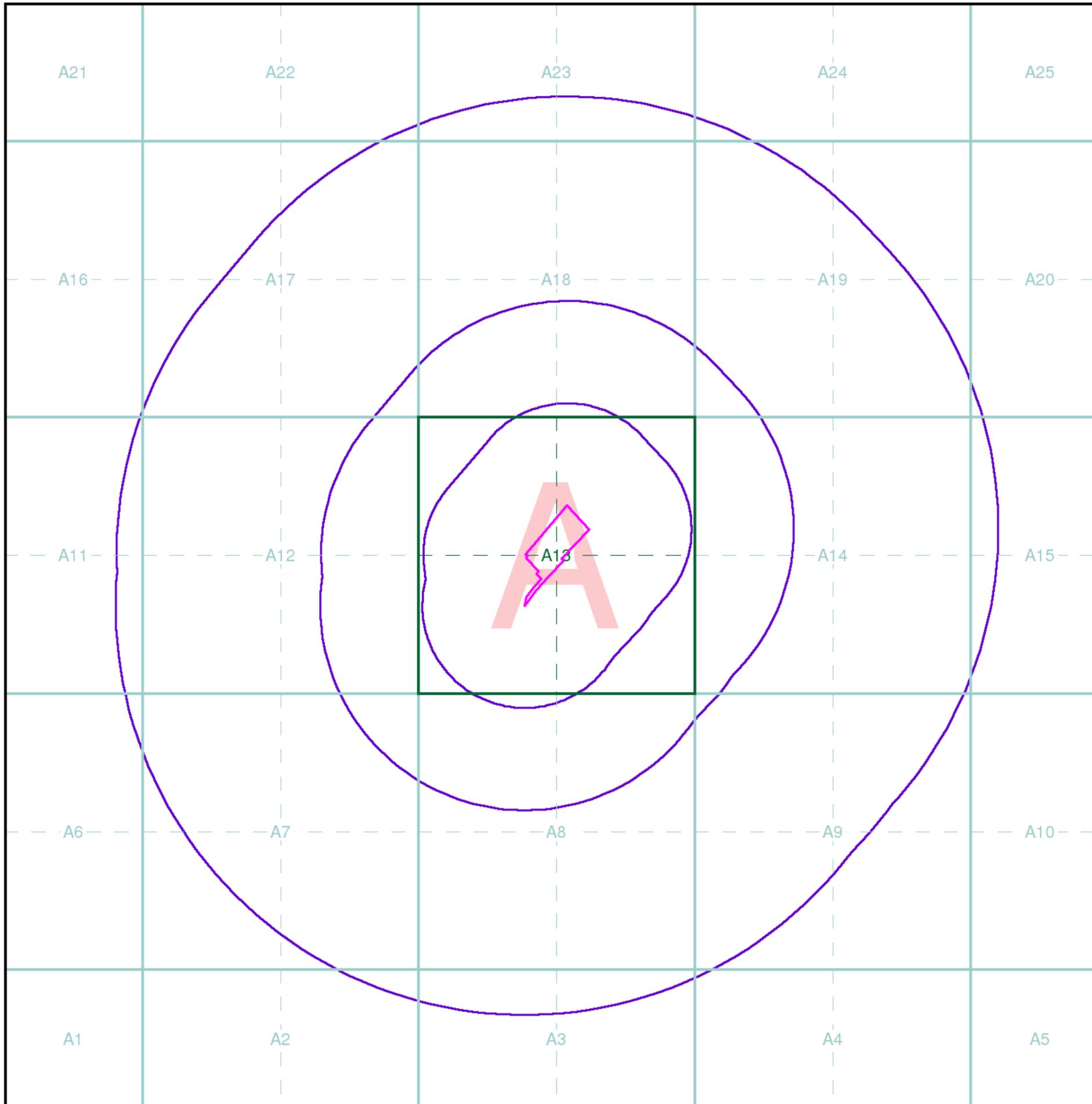
The assessment of ground conditions within this report is based upon the findings of the study undertaken. We have interpreted the ground conditions in between locations on the assumption that conditions do not vary significantly. However, no investigation can inspect each and every part of the site and therefore changes or variances in the physical and chemical site conditions as described in this report cannot be discounted.



The report is limited to those aspects of land contamination specifically reported on and is necessarily restricted and no liability is accepted for any other aspect especially concerning gradual or sudden pollution incidents. The opinions expressed cannot be absolute due to the limitations of time and resources imposed by the agreed brief and the possibility of unrecorded previous use and abuse of the site and adjacent sites. The report concentrates on the site as defined in the report and provides an opinion on surrounding sites. If migrating pollution or contamination (past or present) exists further extensive research will be required before the effects can be better determined.



## Appendix B – Envirocheck Report



## Index Map

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

### Slice

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

### Segment

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

### Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

## Client Details

Dr S Roberts, WYG Environment Planning Transport Ltd,  
Level 5, Longcross Court, 47 Newport Road, Cardiff, CF24  
0AD

## Order Details

Order Number: 154476684\_1\_1  
Customer Ref: A105832  
National Grid Reference: 312980, 168110  
Site Area (Ha): 1.33  
Search Buffer (m): 1000

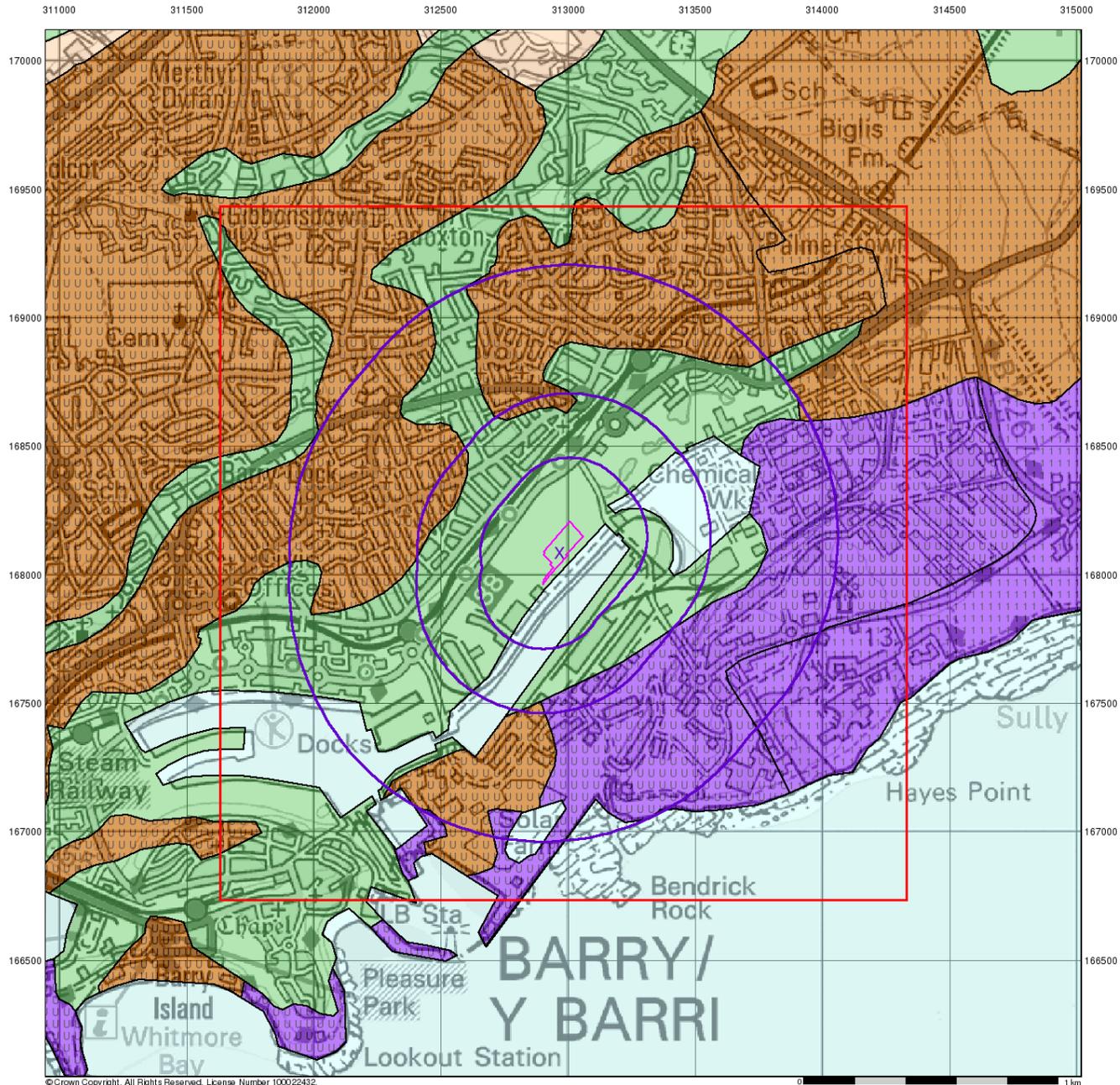
## Site Details

Site at, Barry Dock, The Vale of Glamorgan

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



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Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



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## Groundwater Vulnerability

### General

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

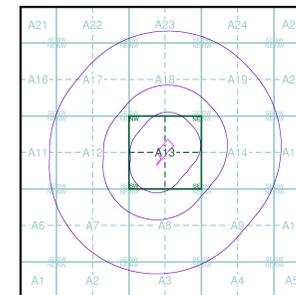
### Agency and Hydrological

#### Geological Classes

- |   |  |
|---|--|
| <b>Major Aquifer (Highly Permeable)</b>   | <ul style="list-style-type: none"> <li><span style="background-color: #800080; width: 15px; height: 15px; display: inline-block;"></span> High (H) 1, 2, 3, U</li> <li><span style="background-color: #FF00FF; width: 15px; height: 15px; display: inline-block;"></span> Intermediate (I) 1, 2</li> <li><span style="background-color: #FFC0FF; width: 15px; height: 15px; display: inline-block;"></span> Low</li> </ul> |
| <b>Minor Aquifer (Variably Permeable)</b> | <ul style="list-style-type: none"> <li><span style="background-color: #FF8C00; width: 15px; height: 15px; display: inline-block;"></span> High (H) 1, 2, 3, U</li> <li><span style="background-color: #FFA500; width: 15px; height: 15px; display: inline-block;"></span> Intermediate (I) 1, 2</li> <li><span style="background-color: #FFDAB9; width: 15px; height: 15px; display: inline-block;"></span> Low</li> </ul> |
| <b>Non Aquifer (Negligibly Permeable)</b> | <span style="background-color: #90EE90; width: 15px; height: 15px; display: inline-block;"></span>   |
| <b>Water or Sea</b>                       | <span style="background-color: #ADD8E6; width: 15px; height: 15px; display: inline-block;"></span>   |
| <b>Drift Deposit</b>                      | <span style="display: inline-block; width: 15px; height: 15px; border: 1px dotted black;"></span>  |

#### Soil Classes

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

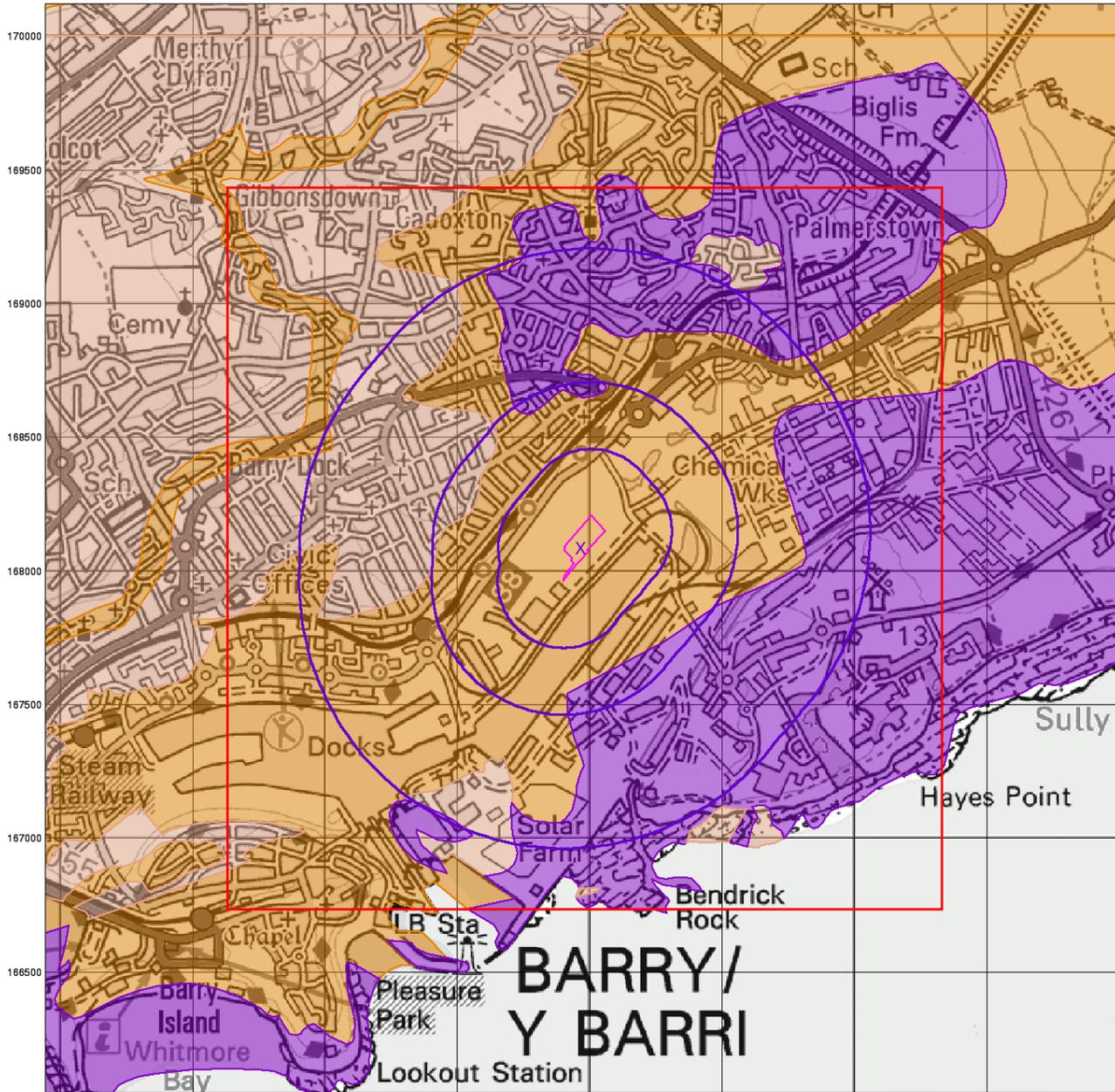
### Site Details

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311000 311500 312000 312500 313000 313500 314000 314500 315000



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## Bedrock Aquifer Designation

### General

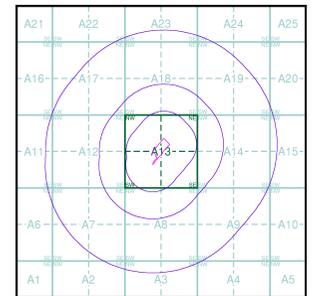
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

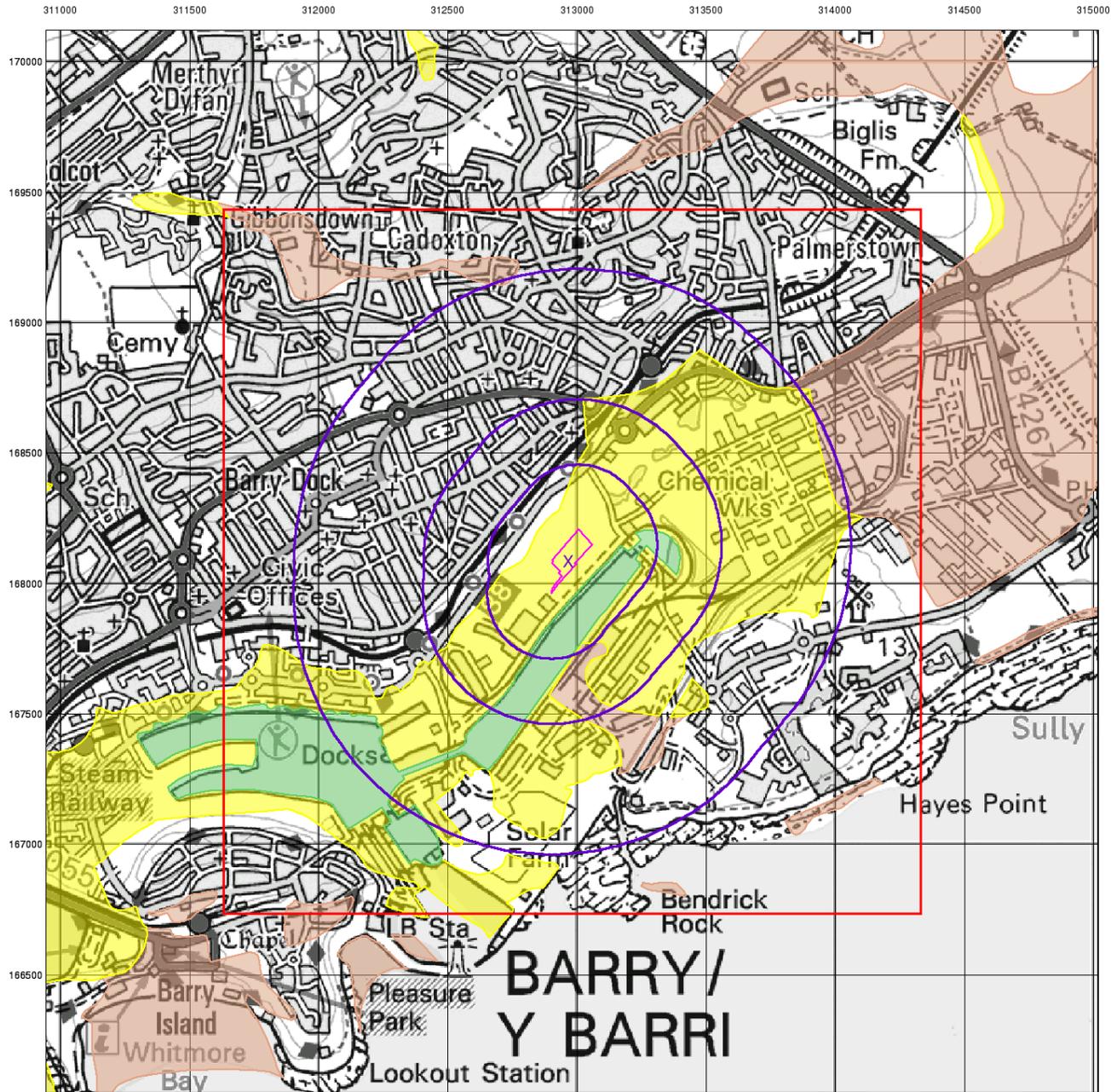
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 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

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## Superficial Aquifer Designation

### General

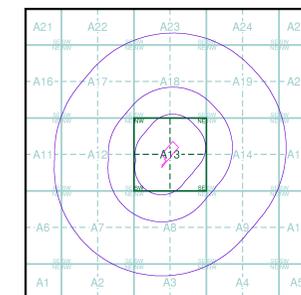
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

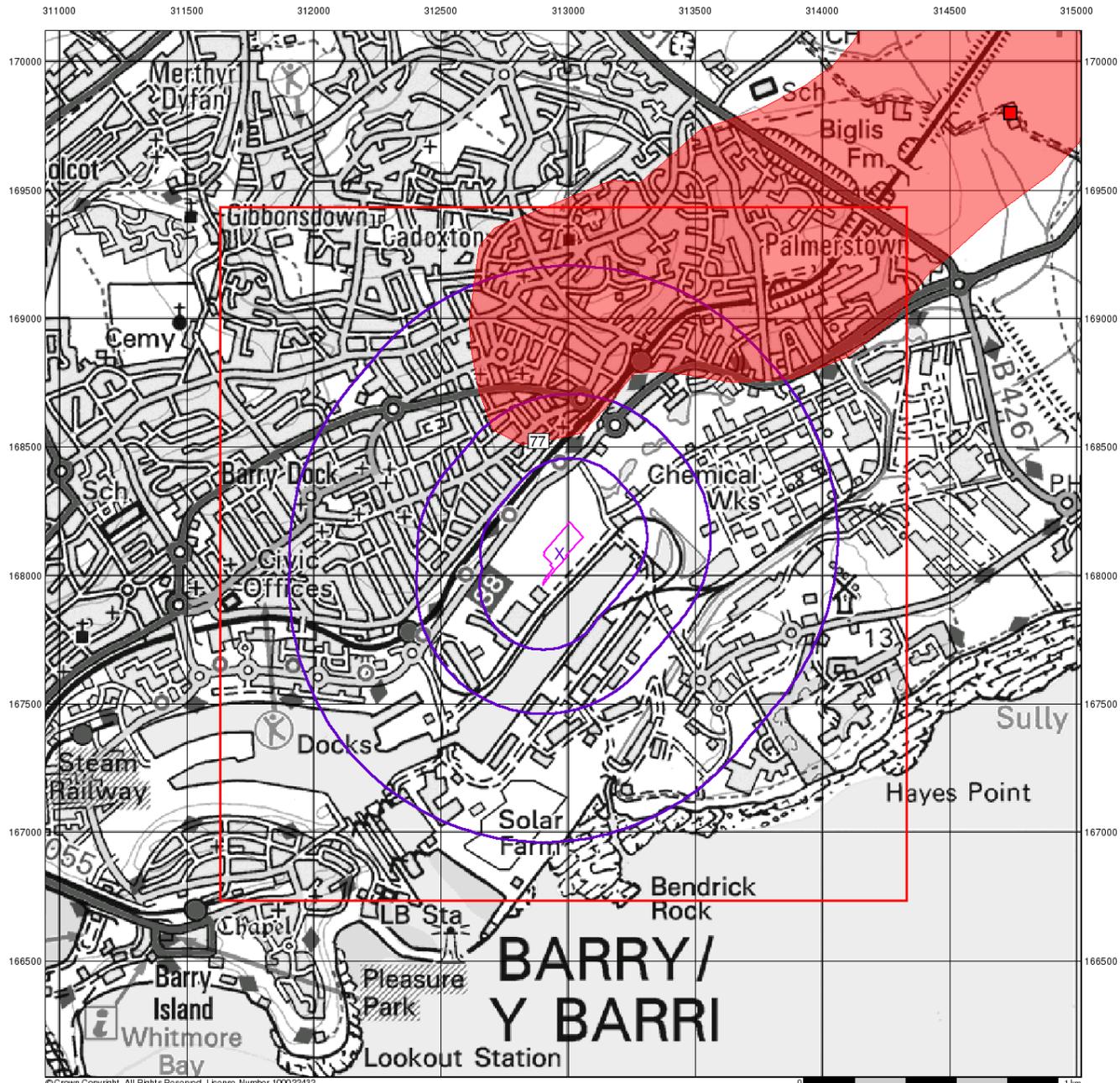
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 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

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## Source Protection Zones

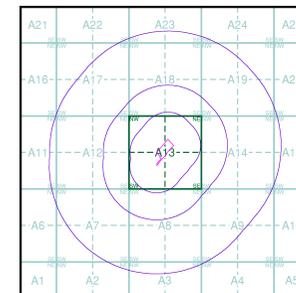
### General

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

### Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice A



### Order Details

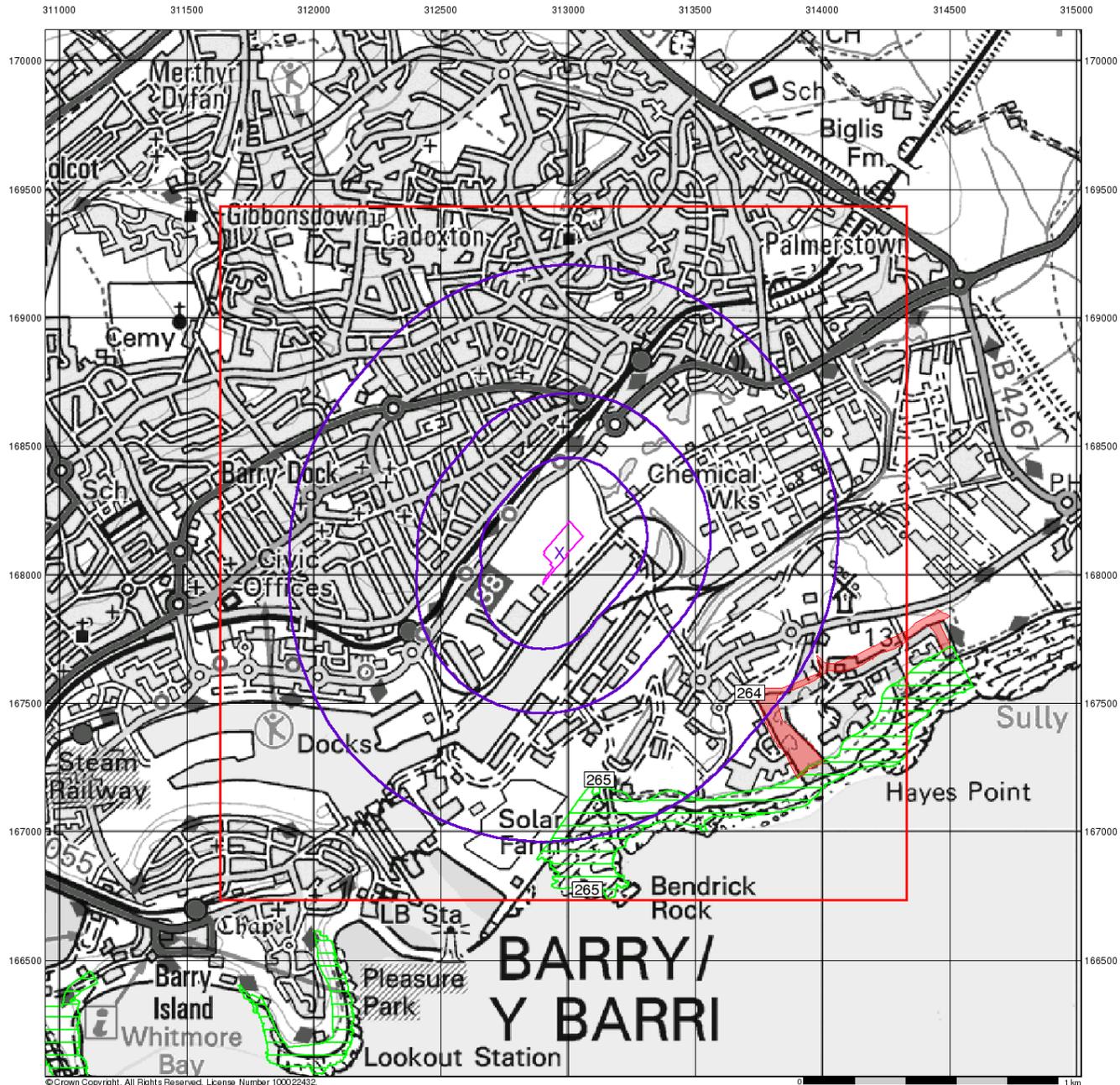
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

### Site Details

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## Sensitive Land Uses

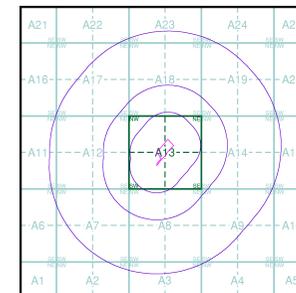
### General

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

### Sensitive Land Uses

-  Ancient Woodland
-  Area of Adopted Green Belt
-  Area of Unadopted Green Belt
-  Area of Outstanding Natural Beauty
-  Environmentally Sensitive Area
-  Forest Park
-  Local Nature Reserve
-  Marine Nature Reserve
-  National Nature Reserve
-  National Park
-  Nitrate Sensitive Area
-  Nitrate Vulnerable Zone
-  Ramsar Site
-  Site of Special Scientific Interest
-  Special Area of Conservation
-  Special Protection Area
-  World Heritage Sites

### Site Sensitivity Context Map - Slice A



### Order Details

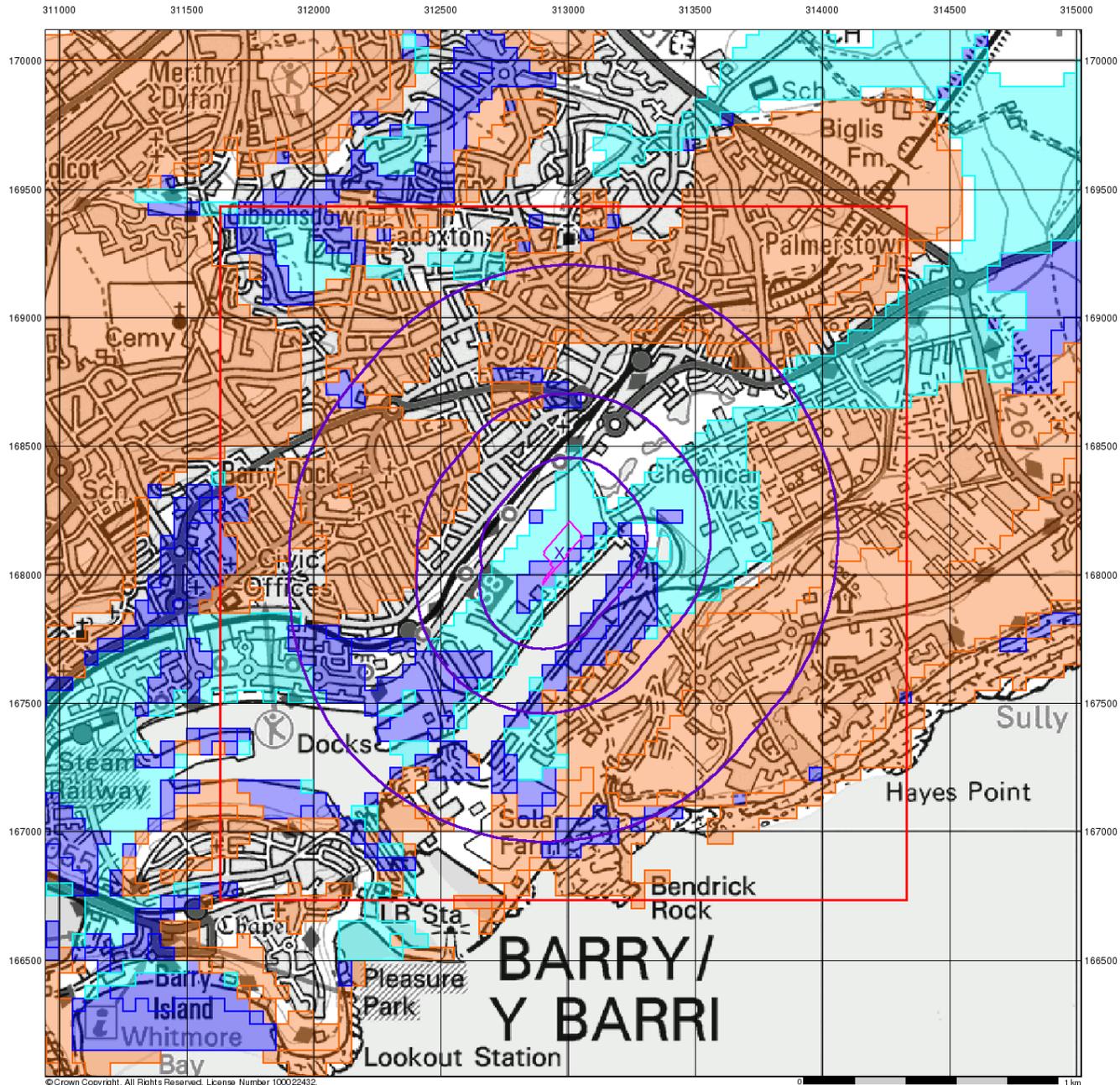
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

### Site Details

Site at, Barry Dock, The Vale of Glamorgan



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



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### BGS Flood GFS Data

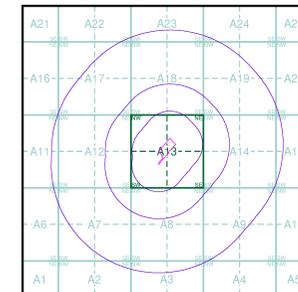
#### General

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

#### Agency and Hydrological (Flood)

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

#### Site Sensitivity Context Map - Slice A



#### Order Details

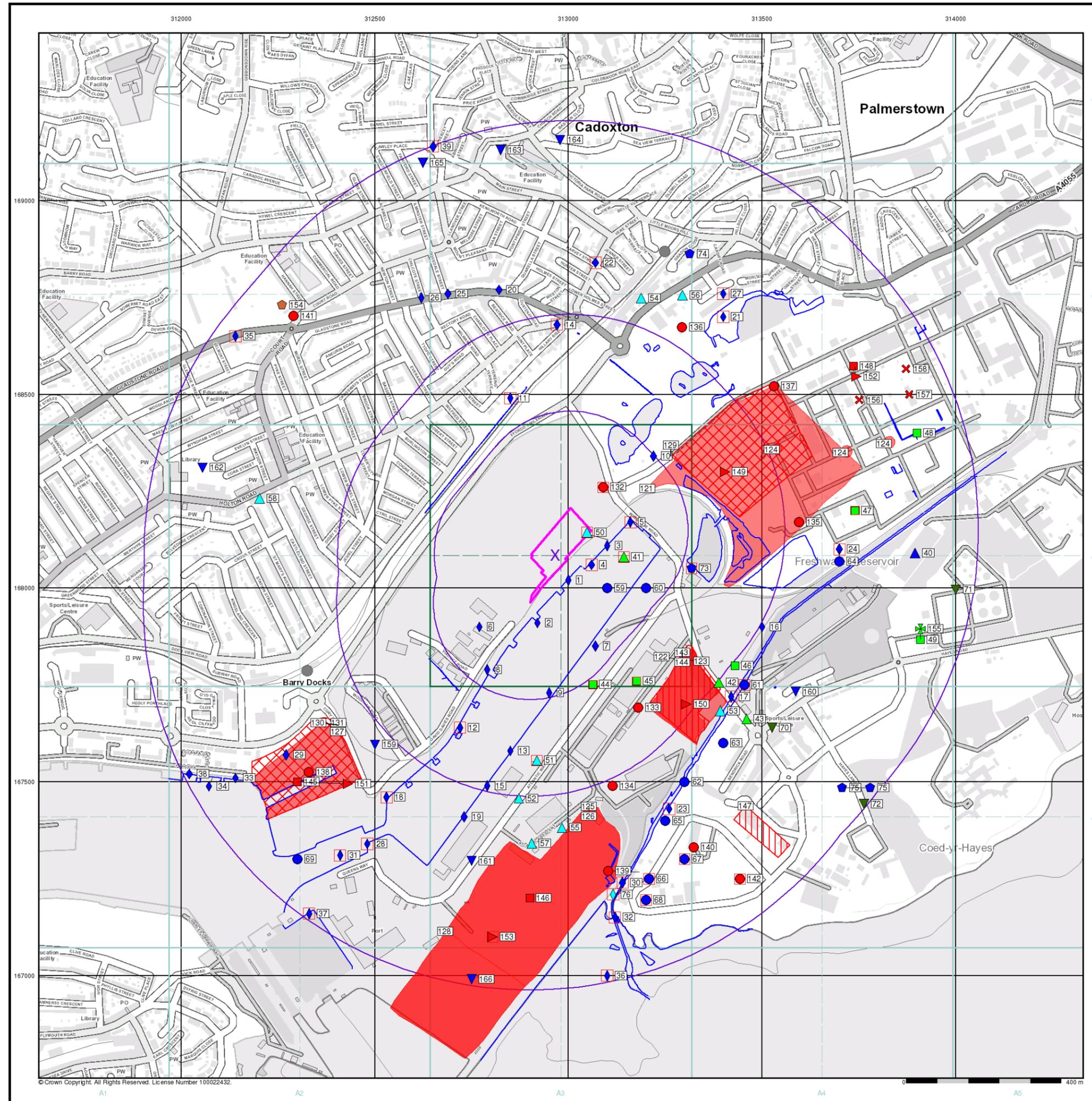
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

#### Site Details

Site at, Barry Dock, The Vale of Glamorgan

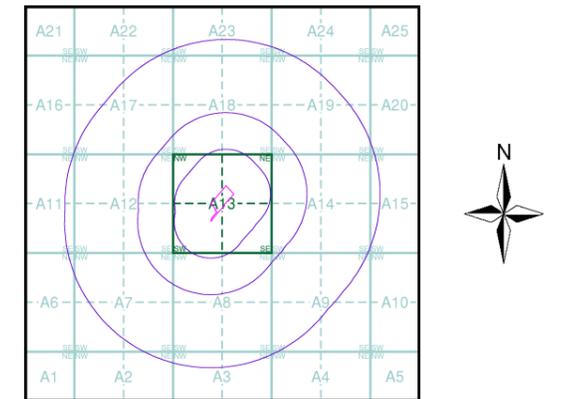


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 Web: www.envirocheck.co.uk



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

**Site Sensitivity Map - Slice A**

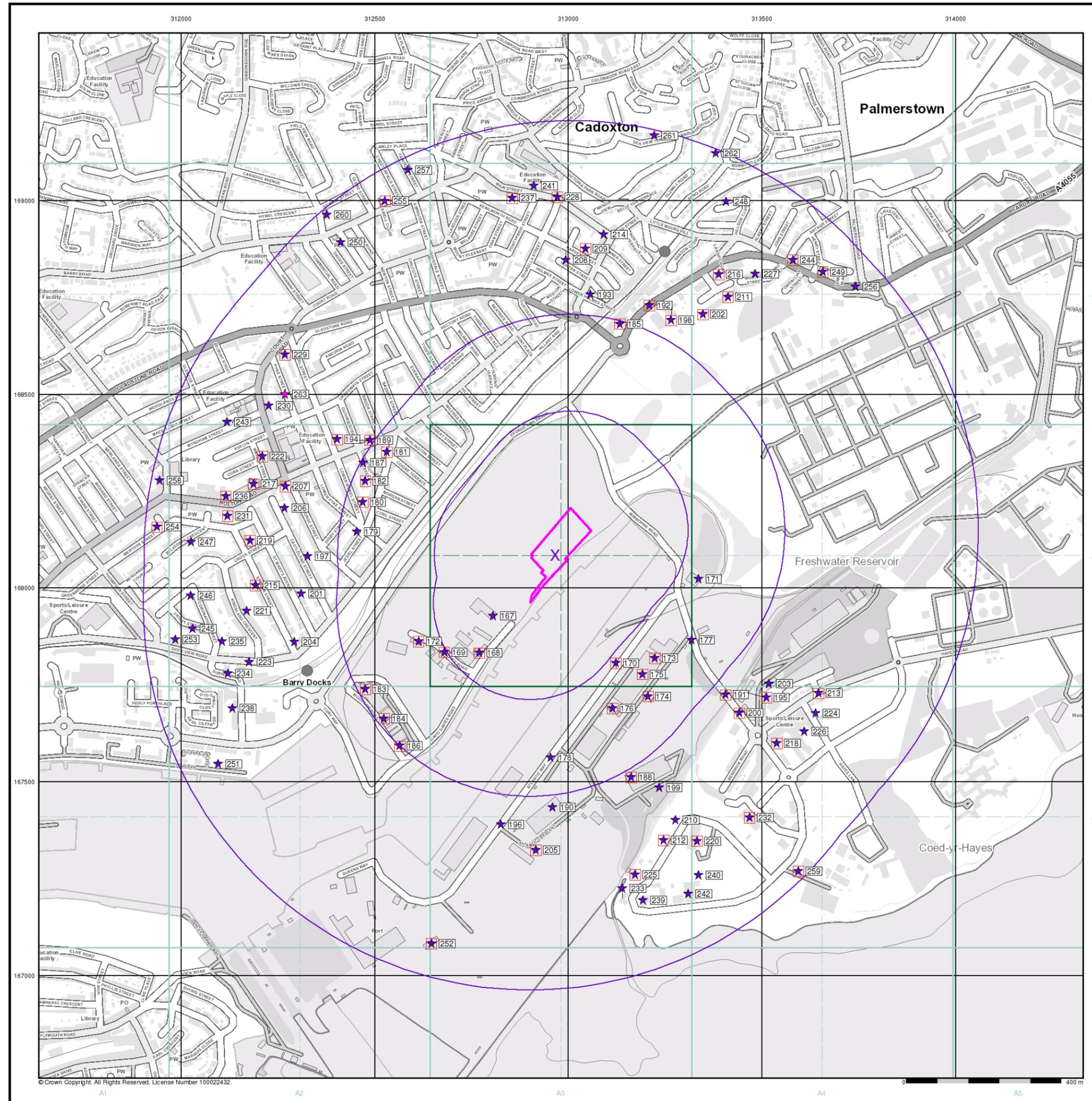


**Order Details**

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

**Site Details**

Site at, Barry Dock, The Vale of Glamorgan



## Industrial Land Use Map

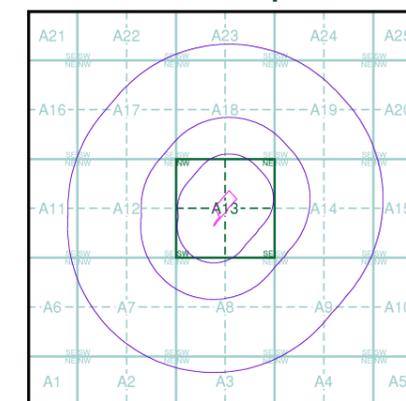
### General

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

### Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

## Industrial Land Use Map - Slice A



### Order Details

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

### Site Details

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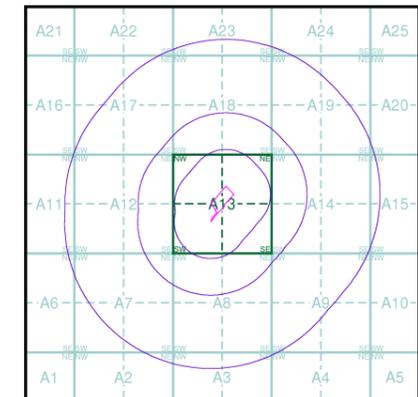
**General**

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

**Agency and Hydrological (Flood)**

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

**Flood Map - Slice A**



**Order Details**

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

**Site Details**

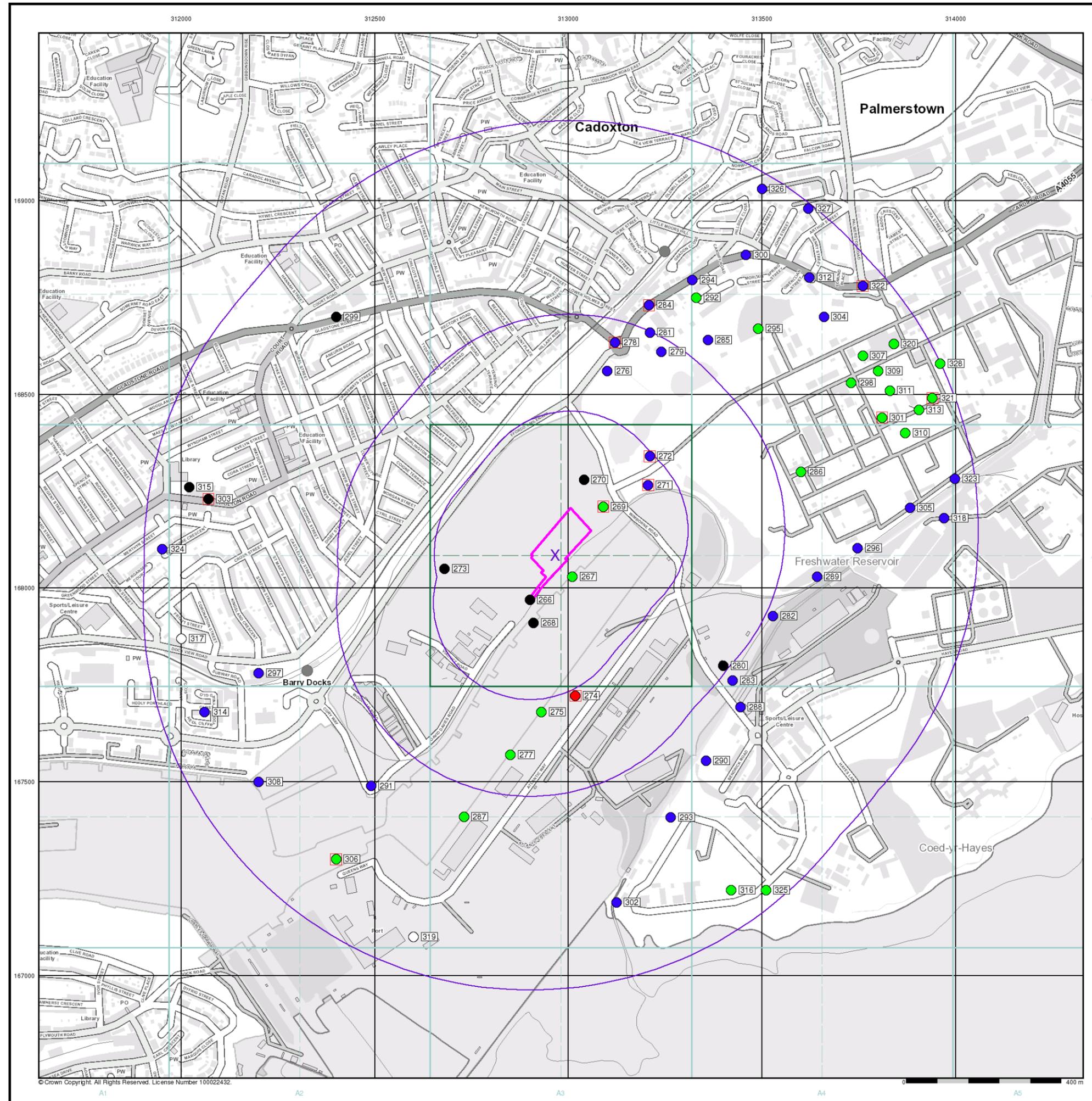
Site at, Barry Dock, The Vale of Glamorgan



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 Fax: 0844 844 9951  
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**General**

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

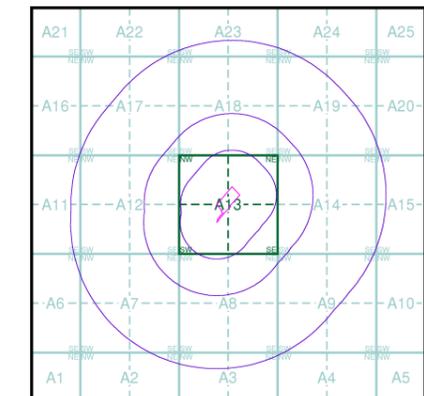
**Agency and Hydrological (Boreholes)**

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

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

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

**Borehole Map - Slice A**



**Order Details**

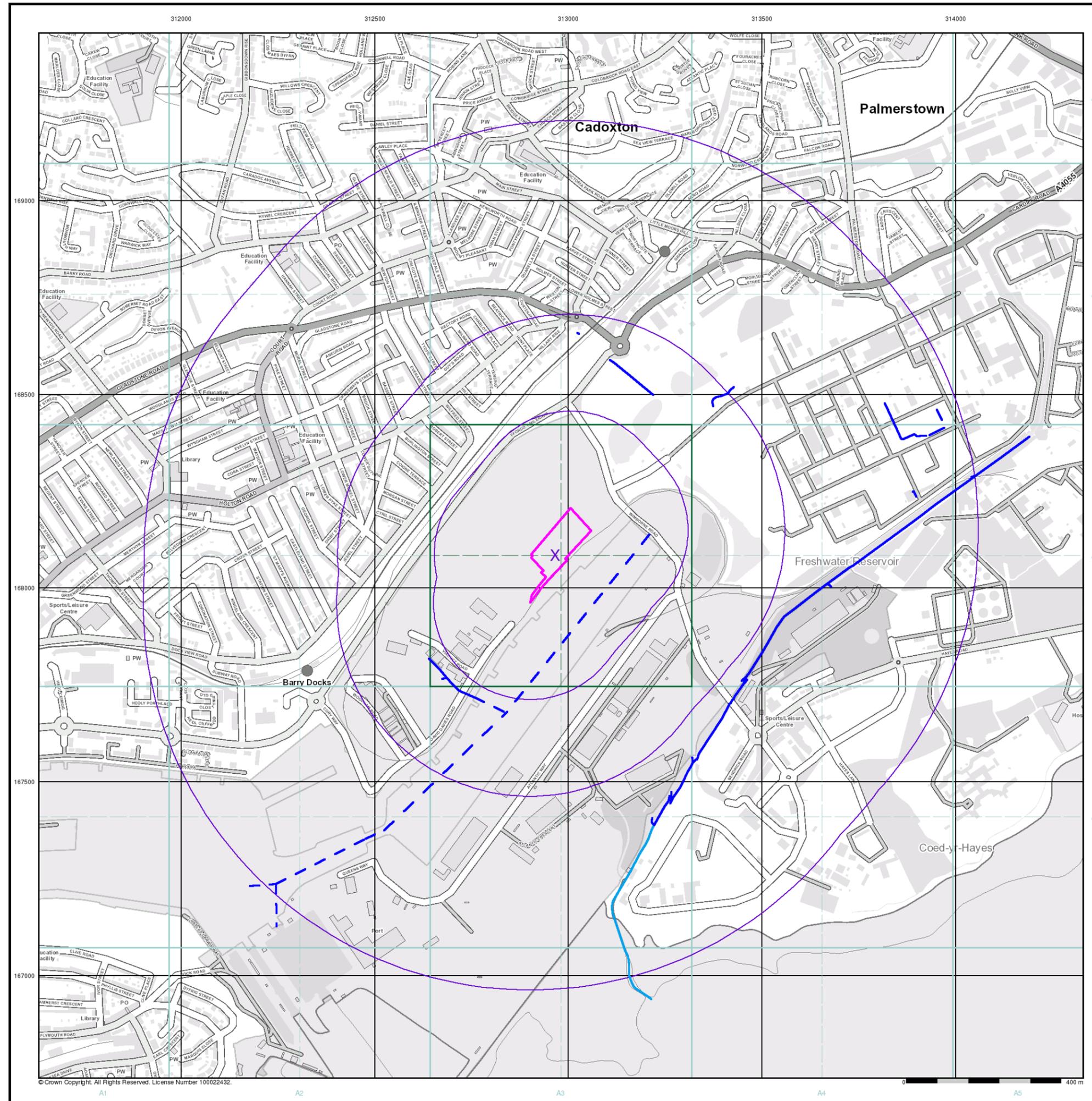
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

**Site Details**

Site at, Barry Dock, The Vale of Glamorgan



Tel: 0844 844 9952  
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 Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



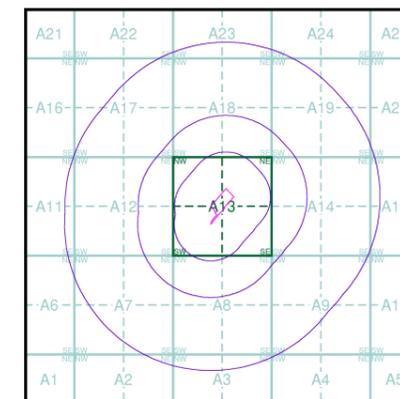
**General**

- 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                     |

**OS Water Network Map - Slice A**



**Order Details**

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

**Site Details**

Site at, Barry Dock, The Vale of Glamorgan



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



## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

154476684\_1\_1

**Customer Reference:**

A105832

**National Grid Reference:**

312970, 168080

**Slice:**

A

**Site Area (Ha):**

1.33

**Search Buffer (m):**

1000

#### Site Details:

Site at

Barry Dock

The Vale of Glamorgan

#### Client Details:

Dr S Roberts

WYG Environment Planning Transport Ltd

Level 5, Longcross Court

47 Newport Road

Cardiff

CF24 0AD



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	51
Hazardous Substances	60
Geological	61
Industrial Land Use	64
Sensitive Land Use	84
Data Currency	85
Data Suppliers	89
Useful Contacts	90

## 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 the attached 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 2		17	10	49
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 21				1
Integrated Pollution Controls	pg 21		4		2
Integrated Pollution Prevention And Control	pg 22		1	3	6
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 25		2	2	7
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 27		Yes		
Pollution Incidents to Controlled Waters	pg 27		2		15
Prosecutions Relating to Authorised Processes	pg 30				3
Registered Radioactive Substances					
River Quality	pg 30				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 31			2	2
Water Abstractions	pg 31				15 (*10)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 37	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 37	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 37	Yes	n/a	n/a	n/a
Source Protection Zones	pg 37			1	
Extreme Flooding from Rivers or Sea without Defences	pg 37	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 43		Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 45		Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 46		1	9	33



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 51		1	2	5
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 52			1	2
Licensed Waste Management Facilities (Locations)	pg 53		2	1	10
Local Authority Landfill Coverage	pg 55	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 55			2	4
Registered Landfill Sites	pg 57			2	4
Registered Waste Transfer Sites	pg 59				1
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)	pg 60				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents	pg 60				3
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 61	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 61				8
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 62		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 62	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 62	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 63	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 63	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a



## Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 64		5	63	162
Fuel Station Entries	pg 83				1
Gas Pipelines					
Underground Electrical Cables					
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 84				1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 84				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	0	1	313050 168100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	0	1	312966 168050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	0	1	313000 168085
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (SE)	0	1	312966 168085
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	12	1	312950 167950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	15	1	312966 168000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	18	1	313000 168050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	26	1	313050 168085
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	41	1	313100 168100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	41	1	313100 168150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	77	1	312900 168200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	141	1	313200 168150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	168	1	313150 168000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	191	1	313250 168100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	197	1	313200 167950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	246	1	313300 168085
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	267	1	312966 167700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	296	1	313350 168200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	331	1	312700 167700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	346	1	313050 167650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	346	1	312600 168250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	361	1	313150 167700



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 to Occur at Surface	A8NW (S)	362	1	312900 167600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	370	1	313250 167750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	376	1	313000 167600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	407	1	313300 167800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	412	1	312950 167550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	412	1	312900 167550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (SW)	415	1	312700 167600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	424	1	312850 168600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	441	1	312650 167600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	444	1	312966 168650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	457	1	312900 168650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (SW)	483	1	312650 167550
1	<b>Discharge Consents</b> Operator: Associated British Ports Property Type: Undefined Or Other Location: Barry Docks Outlet 45 No 29 Base Authority: Natural Resources Wales Catchment Area: Boundary Of HA 58 & HA 59 Reference: An0033245 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	A13SE (SE)	38	2	313000 168020
2	<b>Discharge Consents</b> Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Barry Docks Authority: Natural Resources Wales Catchment Area: Boundary Of HA 58 & HA 59 Reference: An0033244 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	A13SW (S)	56	2	312920 167910



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<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: An0033248  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>	A13NE (E)	56	2	313100 168110
4	<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: An0033246  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>	A13SE (E)	61	2	313060 168060
4	<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: An0033247  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>	A13SE (E)	82	2	313080 168050
5	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (No.2 Dock), Barry, Vale Of Glamorgan  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0037801  Permit Version: 4  Effective Date: 31st March 2007  Issued Date: 26th April 2005  Revocation Date: 11th March 2008  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Controlled Sea  Environment:  Receiving Water: The North West Corner Of Barry  <b>Status: New Consent (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>	A13NE (NE)	103	2	313160 168170



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (No.2 Dock), Barry, Vale Of Glamorgan</p> <p>Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0037801  Permit Version: 3  Effective Date: 31st August 1997  Issued Date: 14th April 1997  Revocation Date: 30th March 2007  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Not Supplied  Environment:  Receiving Water: The North West Corner Of Barry  <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 100m</p>	A13NE (NE)	103	2	313160 168170
5	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (No.2 Dock), Barry, Vale Of Glamorgan</p> <p>Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0037801  Permit Version: 2  Effective Date: 22nd March 1994  Issued Date: 22nd December 1993  Revocation Date: 30th August 1997  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Not Supplied  Environment:  Receiving Water: The North West Corner Of Barry  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	103	2	313160 168170
5	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (No.2 Dock), Barry, Vale Of Glamorgan</p> <p>Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0037801  Permit Version: 1  Effective Date: 11th December 1987  Issued Date: 11th December 1987  Revocation Date: 21st March 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: The North West Corner Of Barry  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	103	2	313160 168170
5	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (No.2 Dock), Barry, Vale Of Glamorgan</p> <p>Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033249  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>	A13NE (NE)	103	2	313160 168170



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (No.2 Dock), Barry, Vale Of Glamorgan  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0037801  Permit Version: 5  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: The North West Corner Of Barry  <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>	A13NE (NE)	105	2	313161 168172
5	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Support Services - Sea Transport  Location: Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033205  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 5th August 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>	A13NE (E)	123	2	313180 168170
6	<p><b>Discharge Consents</b></p> <p>Operator: Harris Pye Marine Ltd  Property Type: Trade (Unknown/Other)  Location: Factory At David Davies Road Barry, Barry Docks, Vale Of Glamorgan  Authority: Natural Resources Wales  Catchment Area: Not Given  Reference: AN0238001  Permit Version: 1  Effective Date: 27th October 1992  Issued Date: 27th October 1992  Revocation Date: Not Supplied  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Barry Docks  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	146	2	312770 167900
7	<p><b>Discharge Consents</b></p> <p>Operator: Engineering Supervisor  Property Type: Undefined Or Other  Location: Rank Hovis Ltd Atlantic Mills Barry, Rank Hovis Limited, Atlantic Mills Atlantic Way, No2 Dock Barry, Valoe Of Glamorgan, Cf63 3ra  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0324001  Permit Version: 1  Effective Date: 30th August 2002  Issued Date: 30th August 2002  Revocation Date: 27th October 2006  Discharge Type: Trade Boiler Blowdown Effluent: Unspecified  Discharge: Land/Soakaway  Environment:  Receiving Water: Groundwater Via Soakaway  <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>	A13SE (SE)	202	2	313070 167850



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks Outlet 43 No 26 Hoist ., Outlet 43 No 26 Hoist . .  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033243  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>	A13SW (SW)	206	2	312790 167790
9	<p><b>Discharge Consents</b></p> <p>Operator: Rank Hovis Ltd  Property Type: Undefined Or Other  Location: Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033204  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>	A8NW (S)	237	2	312950 167730
10	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barry Docks Storm Ps Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0088801  Permit Version: 1  Effective Date: 19th October 1989  Issued Date: 19th October 1989  Revocation Date: 9th February 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Barry Dock Number 2  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	249	2	313220 168340
11	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - St Hillary Rise (Rear  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0102801  Permit Version: 3  Effective Date: 29th March 2007  Issued Date: 29th March 2007  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Unnamed W'Course Then P.S. The  <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>	A18SW (N)	324	2	312850 168490



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - St Hillary Rise (Rear)  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0102801  Permit Version: 2  Effective Date: 31st March 2007  Issued Date: 31st March 2005  Revocation Date: 28th March 2007  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Unnamed W'Course Then P.S. The  <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>	A18SW (N)	324	2	312850 168490
11	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - St Hillary Rise (Rear)  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0102801  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: Unnamed W'Course Then P.S. The  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18SW (N)	324	2	312850 168490
12	<p><b>Discharge Consents</b></p> <p>Operator: The Occupier  Property Type: Miscellaneous Transport Not Specified  Location: Fisher Containers David Davies Road, David Davies Road Barry Dock Bar, Barry Dock Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033206  Permit Version: 2  Effective Date: 10th October 1992  Issued Date: 10th July 1992  Revocation Date: 31st October 1996  Discharge Type: 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 100m</p>	A8NW (SW)	370	2	312720 167640
12	<p><b>Discharge Consents</b></p> <p>Operator: The Occupier  Property Type: Miscellaneous Transport Not Specified  Location: Fisher Containers David Davies Road, David Davies Road Barry Dock Bar, Barry Dock Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033206  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 revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	370	2	312720 167640



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: Undefined Or Other  Location: Barry Docks - No 4 Berth  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033203  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>	A8NW (S)	386	2	312850 167580
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Holton Road, Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0102701  Permit Version: 3  Effective Date: 31st March 2007  Issued Date: 31st March 2005  Revocation Date: 31st March 2006  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Unnamed Stream  <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>	A18SW (N)	476	2	312970 168680
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Holton Road, Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0102701  Permit Version: 2  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 30th March 2007  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Unnamed Stream  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18SW (N)	476	2	312970 168680
14	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Holton Road, Barry  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0102701  Permit Version: 1  Effective Date: 19th October 1989  Issued Date: 19th October 1989  Revocation Date: 19th October 1989  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Unnamed Stream  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18SW (N)	476	2	312970 168680



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p><b>Discharge Consents</b></p> <p>Operator: Denholm Terminals Ltd  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033202  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 11th January 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>	A8NW (S)	485	2	312790 167490
16	<p><b>Discharge Consents</b></p> <p>Operator: Ici Chemical &amp; Polymers Ltd  Property Type: Basic Industry, Chemicals Organic  Location: Barry Wimbourne Road Ici Rail Sidin, Wimbourne Road Ici Rail Sidings  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0069001  Permit Version: 1  Effective Date: 23rd May 1988  Issued Date: 23rd May 1988  Revocation Date: 17th August 1992  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Soakaway  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	506	2	313500 167900
17	<p><b>Discharge Consents</b></p> <p>Operator: Hanson Aggregates  Property Type: Trade (Unknown/Other)  Location: Atlantic Trading Estate Barry, Vale Of Glamorgan, Wales  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: Af4010801  Permit Version: 1  Effective Date: 10th July 1974  Issued Date: 10th July 1974  Revocation Date: 9th July 2009  Discharge Type: Trade Effluent  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Cadoxton  <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>	A9NW (SE)	549	2	313400 167700
17	<p><b>Discharge Consents</b></p> <p>Operator: Associated British Ports  Property Type: Support Services - Sea Transport  Location: Barry Docks Cadaxton River Bridge W, Cadaxton River Bridge Wimbourne, Wimbourne Road . .  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0033240  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>	A9NW (SE)	551	2	313420 167720



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<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: An0033242  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>	A7NE (SW)	577	2	312570 167490
18	<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: An0033241  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>	A7NE (SW)	625	2	312530 167460
19	<p><b>Discharge Consents</b></p> <p>Operator: Barry Cargomasters Ltd  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry Docks  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0033201  Permit Version: 1  Effective Date: 10th September 1987  Issued Date: 10th September 1987  Revocation Date: 11th January 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>	A8NW (S)	579	2	312730 167410
20	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Gladstone Road  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0103901  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 9th February 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dock No.2 Via Barry Dock Storm  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	594	2	312820 168770



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p><b>Discharge Consents</b></p> <p>Operator: Holton Road Developments Ltd  Property Type: Undefined Or Other  Location: Not Supplied  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0141401  Permit Version: 2  Effective Date: 9th June 1989  Issued Date: 9th June 1989  Revocation Date: 17th May 1993  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Landlocked Marsh Wetland/Pond  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	633	2	313400 168700
21	<p><b>Discharge Consents</b></p> <p>Operator: Holton Road Developments Ltd  Property Type: Undefined Or Other  Location: Not Supplied  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0141401  Permit Version: 1  Effective Date: 1st January 1901  Issued Date: 1st January 1901  Revocation Date: 8th June 1989  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Landlocked Marsh Wetland/Pond  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	633	2	313400 168700
22	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Vere Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0107201  Permit Version: 2  Effective Date: 31st March 2007  Issued Date: 31st March 2005  Revocation Date: 31st March 2007  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Dock No.2 Via P.S.Via Unnamed  <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>	A18NE (N)	638	2	313070 168840
22	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Vere Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0107201  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 30th March 2007  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Dock No.2 Via P.S.Via Unnamed  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	638	2	313070 168840



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: Sewerage Network - Pumping Station - Water Company  Location: Atlantic Trading Est Ps Barry  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0243401  Permit Version: 3  Effective Date: 21st February 2008  Issued Date: 21st February 2008  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Cadoxton  <b>Status:</b> <b>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>	A8NE (SE)	642	2	313264 167433
23	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Atlantic Trading Est Ps Barry  Authority: Natural Resources Wales  Catchment Area: Not Given  Reference: AN0243401  Permit Version: 2  Effective Date: 1st April 1997  Issued Date: 13th June 1995  Revocation Date: 20th February 2008  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Cadoxton  <b>Status:</b> <b>New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A8NE (SE)	642	2	313260 167430
23	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Atlantic Trading Est Ps Barry  Authority: Natural Resources Wales  Catchment Area: Not Supplied  Reference: An0243401  Permit Version: 1  Effective Date: 1st July 1995  Issued Date: 14th June 1994  Revocation Date: 31st March 1997  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: River Cadoxton  <b>Status:</b> <b>Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	642	2	313260 167430
24	<p><b>Discharge Consents</b></p> <p>Operator: Vopak Terminal Windmill Ltd  Property Type: Wholesale Distribution Fuels &amp; Metals  Location: Windmill Site Hayes Road Barry, Hayes Road, Vale Of Glamorgan, Cf64 5yb  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An028010101  Permit Version: 3  Effective Date: 27th September 2005  Issued Date: 26th September 2005  Revocation Date: 7th September 2006  Discharge Type: Trade Discharges - Site Drainage  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Cadoxton  <b>Status:</b> <b>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>	A14NE (E)	643	2	313700 168100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<p><b>Discharge Consents</b></p> <p>Operator: Vopak Terminal Windmill Ltd  Property Type: Wholesale Distribution Fuels &amp; Metals  Location: Windmill Site Hayes Road Barry, Hayes Road, Vale Of Glamorgan, Cf64 5yb  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An028010101  Permit Version: 2  Effective Date: 23rd January 2001  Issued Date: 22nd January 2001  Revocation Date: 26th September 2005  Discharge Type: Trade Discharges - Site Drainage  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Cadoxton  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	643	2	313700 168100
24	<p><b>Discharge Consents</b></p> <p>Operator: Vopak Windmill Ltd  Property Type: Wholesale Distribution Fuels &amp; Metals  Location: Windmill Site Hayes Road Barry, Hayes Road, Vale Of Glamorgan, Cf64 5yb  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: AN028010101  Permit Version: 1  Effective Date: 27th April 1998  Issued Date: 27th April 1998  Revocation Date: 22nd January 2001  Discharge Type: Trade Effluent  Discharge: Not Supplied  Environment:  Receiving Water: River Cadoxton  <b>Status: New Consent (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>	A14NE (E)	643	2	313700 168100
25	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Gladstone Road  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0104001  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 9th February 1994  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dock No.2 Via Barry Dock Storm  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18NW (NW)	643	2	312680 168760
26	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Gladstone Road  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0104101  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1989  Revocation Date: 31st March 2007  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Dock No. 2 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>	A17SE (NW)	667	2	312620 168750



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Vere Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0107101  Permit Version: 2  Effective Date: 31st March 2007  Issued Date: 18th March 2005  Revocation Date: 31st March 2007  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Dock No.2 Via P.S. Via Unnamed  <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>	A19NW (NE)	680	2	313400 168760
27	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Vere Street  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0107101  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: Dock No.2 Via P.S. Via Unnamed  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	680	2	313400 168760
28	<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>	A7SE (SW)	727	2	312480 167370
28	<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 . .  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  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	751	2	312440 167370



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<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: 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  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	752	2	312480 167340
28	<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 .  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  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	769	2	312480 167320
29	<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>	A7NW (SW)	744	2	312270 167570
30	<p><b>Discharge Consents</b></p> <p>Operator: Bp Chemicals Ltd  Property Type: Basic Industry, Chemicals Organic  Location: Bp Chemicals Ltd Sully  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0049101  Permit Version: 3  Effective Date: 29th November 1991  Issued Date: 16th January 1991  Revocation Date: 10th January 1994  Discharge Type: Trade Effluent  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	761	2	313140 167240



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<p><b>Discharge Consents</b></p> <p>Operator: Bp Chemicals Ltd  Property Type: Basic Industry, Chemicals Organic  Location: Bp Chemicals Ltd Sully  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0049101  Permit Version: 2  Effective Date: 16th January 1990  Issued Date: 16th January 1990  Revocation Date: 28th November 1991  Discharge Type: Trade Effluent  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	761	2	313140 167240
30	<p><b>Discharge Consents</b></p> <p>Operator: Bp Chemicals Ltd  Property Type: Basic Industry, Chemicals Organic  Location: Bp Chemicals Ltd Sully  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0049101  Permit Version: 1  Effective Date: 14th October 1987  Issued Date: 14th October 1987  Revocation Date: 15th January 1990  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	761	2	313140 167240
31	<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>	A7SE (SW)	778	2	312410 167360
31	<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>	A7SE (SW)	805	2	312380 167350



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<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>	A7SE (SW)	816	2	312440 167290
31	<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 revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	817	2	312410 167310
31	<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>	A7SE (SW)	843	2	312380 167300
32	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Bendricks New Outfall  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0037401  Permit Version: 3  Effective Date: 13th June 1995  Issued Date: 13th June 1995  Revocation Date: 1st April 1997  Discharge Type: Sewerage System Discharge  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	841	2	313120 167150



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Bendricks New Outfall  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0037401  Permit Version: 2  Effective Date: 13th January 1993  Issued Date: 13th October 1992  Revocation Date: 12th June 1995  Discharge Type: Sewerage System Discharge  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	841	2	313120 167150
32	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Bendricks New Outfall  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0037401  Permit Version: 1  Effective Date: 11th December 1987  Issued Date: 11th December 1987  Revocation Date: 12th January 1993  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	841	2	313120 167150
33	<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>	A7NW (SW)	886	2	312140 167510
34	<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 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>	A7NW (SW)	938	2	312080 167510



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Gladstone Road  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0103701  Permit Version: 2  Effective Date: 31st March 2007  Issued Date: 31st March 2005  Revocation Date: 31st March 2007  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Dock No.1 Via Unnamed Watercou  <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)	950	2	312140 168650
35	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Gladstone Road  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: AN0103701  Permit Version: 1  Effective Date: 20th October 1989  Issued Date: 20th October 1988  Revocation Date: 30th March 2007  Discharge Type: Unspecified  Discharge: Not Supplied  Environment:  Receiving Water: Dock No.1 Via Unnamed Watercou  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A17SW (NW)	950	2	312140 168650
36	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Bendricks Old Outfall Barry East  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0037501  Permit Version: 3  Effective Date: 19th September 1995  Issued Date: 18th September 1995  Revocation Date: 1st April 1997  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Consent expired</b>  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	983	2	313100 167000
36	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Bendricks Old Outfall Barry East  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0037501  Permit Version: 2  Effective Date: 13th January 1993  Issued Date: 13th October 1992  Revocation Date: 18th September 1995  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	983	2	313100 167000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Bendricks Old Outfall Barry East  Authority: Natural Resources Wales  Catchment Area: Boundary Of HA 58 &amp; HA 59  Reference: An0037501  Permit Version: 1  Effective Date: 11th December 1987  Issued Date: 11th December 1987  Revocation Date: 12th January 1993  Discharge Type: Unspecified  Discharge: Controlled Sea  Environment:  Receiving Water: Bristol Channel  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	983	2	313100 167000
37	<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>	A7SE (SW)	985	2	312330 167160
37	<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>	A7SE (SW)	985	2	312360 167140
38	<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>	A7NW (SW)	987	2	312020 167520



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Robins Lane  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: An0105201  Permit Version: 2  Effective Date: 31st March 2007  Issued Date: 18th March 2005  Revocation Date: 31st March 2006  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coldbrook  <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A23SW (N)	1000	2	312650 169140
39	<p><b>Discharge Consents</b></p> <p>Operator: Dwr Cymru Cyfyngedig  Property Type: Sewerage Network - Sewers - Water Company  Location: Barry - Robins Lane  Authority: Natural Resources Wales  Catchment Area: River Cadoxton  Reference: AN0105201  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: Coldbrook  <b>Status:</b> <b>New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A23SW (N)	1000	2	312650 169140
40	<p><b>Enforcement and Prohibition Notices</b></p> <p>Location: Sully Works, Barry, PENARTH, South Glamorgan, CF64 5XB  Permit Reference: NOT GIVEN  Enforcement Date: 10th October 1997  Details: ENDS Report 273 (October 1997), Two tonnes of vinyl chloride monomer leaked from an over pressurised vessel. (Prohibition Notice lifted on the 14/10/1997 after the plant was modified.)  Positional Accuracy: Manually positioned to the address or location</p>	A14NE (E)	838	3	313895 168086
41	<p><b>Integrated Pollution Controls</b></p> <p>Name: Npower Cogen Ltd  Location: Dow Corning Site, Winbourne Road-dock 2, BARRY, South Glamorgan, CF63 3DH  Authority: Environment Agency, Welsh Region  Permit Reference: BA7794  Dated: 23rd March 1998  Process Type: IPC minor (non-substantial) variation to previous variation  Description: 1.3 A (A) Combustion processes within the Fuel &amp; Power Industry  <b>Status:</b> <b>Authorisation superseded by a substantial or non substantial variationSuperseded</b>  Positional Accuracy: Manually positioned to the address or location</p>	A13SE (E)	111	3	313143 168076
41	<p><b>Integrated Pollution Controls</b></p> <p>Name: Npower Cogen Ltd  Location: Dow Corning Site, Winbourne Road-Dock 2, BARRY, South Glamorgan, CF63 3DH  Authority: Environment Agency, Welsh Region  Permit Reference: AY8310  Dated: 18th November 1997  Process Type: IPC new application  Description: 1.3 A (A) Combustion processes within the Fuel &amp; Power Industry  <b>Status:</b> <b>Authorisation superseded by a substantial or non substantial variationSuperseded</b>  Positional Accuracy: Manually positioned to the address or location</p>	A13SE (E)	114	3	313143 168071



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	<p><b>Integrated Pollution Controls</b></p> <p>Name: Npower Cogen Ltd            Location: Dow Corning Site, Winbourne Road-Dock 2, BARRY, South Glamorgan, CF63 3DH            Authority: Environment Agency, Welsh Region            Permit Reference: BF9913            Dated: 15th July 1999            Process Type: IPC major (substantial) variation            Description: 1.3 A (A) Combustion processes within the Fuel &amp; Power Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SE (E)	115	3	313148 168076
41	<p><b>Integrated Pollution Controls</b></p> <p>Name: Npower Cogen Ltd            Location: Dow Corning Site, Winbourne Road, -dock 2, BARRY, South Glamorgan, CF63 3DH            Authority: Environment Agency, Welsh Region            Permit Reference: BE3677            Dated: 24th November 1998            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 1.3 A (A) Combustion processes within the Fuel &amp; Power Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SE (E)	118	3	313148 168071
42	<p><b>Integrated Pollution Controls</b></p> <p>Name: Npower Cogen Ltd            Location: Winbourne Road - Dock 2, Barry, South Glamorgan, Cf63 3dh            Authority: Environment Agency, Welsh Region            Permit Reference: By4483            Dated: 17th November 2004            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 1.3 A (A) Combustion processes within the Fuel &amp; Power Industry  <b>Status: Revoked - Now IPPC</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A14SW (SE)	506	3	313388 167752
43	<p><b>Integrated Pollution Controls</b></p> <p>Name: Npower Cogen Ltd            Location: Winbourne Road - Dock 2, BARRY, South Glamorgan, CF63 3DH            Authority: Environment Agency, Welsh Region            Permit Reference: B11835            Dated: 28th June 2001            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 1.3 A (A) Combustion processes within the Fuel &amp; Power Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NW (SE)	621	3	313460 167658
44	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Premier Foods Group Ltd            Location: Barry Flour Mill, Atlantic Mills, Atlantic Way, No. 2 Dock, Barry, Vale Of Glamorgan, CF63 3RA            Authority: Natural Resources Wales            Permit Reference: KP3735XW            Original Permit Ref: Kp3735xw            Effective Date: 25th February 2008  <b>Status: Effective</b>            Application Type: Transfer            App. Sub Type: Whole limited change in management            Positional Accuracy: Manually positioned to the address or location            Activity Code: 6.8 A(1) (D) (II)            Activity Description: Animal, Vegetable &amp; Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day            Primary Activity: Y</p>	A13SE (S)	237	2	313050 167778
44	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Rank Hovis Limited            Location: Barry Flour Mill, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Authority: Natural Resources Wales            Permit Reference: Bp3376ie            Original Permit Ref: Bp3376ie            Effective Date: 17th August 2005  <b>Status: Superseded By Variation</b>            Application Type: Application            App. Sub Type: New            Positional Accuracy: Automatically positioned to the address            Activity Code: 6.8 A(1) (D) (II)            Activity Description: Animal, Vegetable &amp; Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day            Primary Activity: Y</p>	A13SE (S)	266	2	313063 167751



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Alembic Manufacturing Ltd            Location: Barry Aluminium Chlorohydrate Plant Ea/Epr/Mp3431sp/V002, Unit 6, Wimbourne Buildings, Atlantic Way, Barry Docks, Barry, Vale Of Glamorgan, CF63 3RA</p> <p>Authority: Natural Resources Wales            Permit Reference: LP3638ZP            Original Permit Ref: Mp3431sp            Effective Date: 28th February 2013  <b>Status: Effective</b>            Application Type: Variation            App. Sub Type: Simple Standard Variation            Positional Accuracy: Automatically positioned to the address            Activity Code: 0.0 Associated Process            Activity Description: Associated Process            Primary Activity: N            Activity Code: 4.2 A(1) (A) (I)            Activity Description: Inorganic Chemicals; Gases Eg Ammonia,            Primary Activity: Y</p>	A13SE (SE)	341	2	313176 167760
45	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Alembic Manufacturing Ltd            Location: Barry Aluminium Chlorohydrate Plant, Unit 6, Wimbourne Buildings, Atlantic Way,, Barry Docks, South Glamorgan, CF63 3RA</p> <p>Authority: Natural Resources Wales            Permit Reference: Mp3431sp            Original Permit Ref: Mp3431sp            Effective Date: 7th November 2005  <b>Status: Superseded By Variation</b>            Application Type: Application            App. Sub Type: New            Positional Accuracy: Automatically positioned to the address            Activity Code: 4.2 A(1) (A) (I)            Activity Description: Inorganic Chemicals; Gases Eg Ammonia,            Primary Activity: Y            Activity Code: 0.0 Associated Process            Activity Description: Associated Process            Primary Activity: N</p>	A13SE (SE)	341	2	313176 167760
46	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Iba Recycling Facility Epr/Lp3239aw            Location: Iba Recycling Facility Epr/Lp3239aw, Iba Recycling Facility, Wimborne Road, Barry Docks,, BARRY, South Glamorgan, CF63 3DH</p> <p>Authority: Natural Resources Wales            Permit Reference: LP3239AW            Original Permit Ref: Lp3239aw            Effective Date: 9th March 2017  <b>Status: Effective</b>            Application Type: Bespoke            App. Sub Type: Not Supplied            Positional Accuracy: Manually corrected supplier location            Activity Code: 5.4 PART A (1) B) (III)            Activity Description: Not Supplied            Primary Activity: Y</p>	A14SW (SE)	509	2	313430 167800
47	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Barry Chp            Location: Barry Silicon Based Manufacturing Installation Ea/Epr/Bx4135ij/V002, Winbourne Road - Dock 2, Barry, Vale Of Glamorgan, CF63 3DH</p> <p>Authority: Natural Resources Wales            Permit Reference: JP3632ZH            Original Permit Ref: Jp3632zh            Effective Date: 10th February 2017  <b>Status: Effective</b>            Application Type: Bespoke            App. Sub Type: Not Supplied            Positional Accuracy: Located by supplier to within 100m            Activity Code: 1.1 PART A (1) A) (I)            Activity Description: Not Supplied            Primary Activity: Y</p>	A14NE (E)	683	2	313740 168200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Npower Cogen Ltd            Location: Barry Silicon Based Manufacturing Installation Ea/Epr/Bx4135ij/V002, Winbourne Road - Dock 2, Barry, Vale Of Glamorgan, CF63 3DH            Authority: Natural Resources Wales            Permit Reference: RP3139KG            Original Permit Ref: Bx4135ij            Effective Date: 13th November 2009  <b>Status: Superseded By Variation</b>            Application Type: Variation            App. Sub Type: Simple Standard Variation            Positional Accuracy: Located by supplier to within 100m            Activity Code: 1.1 A(1) a) (i)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: Y</p>	A14NE (E)	683	2	313740 168200
47	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Npower Cogen Ltd            Location: Barry Silicon Based Manufacturing Installation, Winbourne Road - Dock 2, Barry, Vale Of Glamorgan, CF63 3DH            Authority: Natural Resources Wales            Permit Reference: Bx4135ij            Original Permit Ref: Bx4135ij            Effective Date: 30th June 2006  <b>Status: Superseded By Variation</b>            Application Type: Application            App. Sub Type: New            Positional Accuracy: Located by supplier to within 10m            Activity Code: 1.1 A(1) a) (i)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: Y            Activity Code: 1.1 A(1) a) (i)            Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw            Primary Activity: N</p>	A14NE (E)	683	2	313740 168200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Barry Silicon Plant            Location: Barry Silicon Plant, Dow Corning Ltd, Cardiff Road,, Barry, Vale of Glamorgan, Cf63 2yl            Authority: Natural Resources Wales            Permit Reference: Br9685ix            Original Permit Ref: Pp3131zm            Effective Date: 3rd October 2016  <b>Status: Effective</b>            Application Type: Bespoke            App. Sub Type: Not Supplied            Positional Accuracy: Located by supplier to within 100m            Activity Code: 1.1 PART A (1) B (III)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 3.1 PART B C)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 4.1 A(1) (A) (I)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 4.1 PART A (1) A) (IV)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 4.1 PART A (1) A) (VI)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 4.2 PART A (1) A) (I)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 4.2 PART A (1) A) (II)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 4.2 PART A (1) A) (V)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 4.2 A(1) (B)            Activity Description: Not Supplied            Primary Activity: Y            Activity Code: 4.7 PART A (1) B)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 5.1 PART A (1) F)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 5.3 PART A (1) C) (I)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 5.4 PART A (1) A) (I)            Activity Description: Not Supplied            Primary Activity: Not Supplied            Activity Code: 0.0 Associated Process            Activity Description: Not Supplied            Primary Activity: Not Supplied</p>	A14NE (E)	878	2	313900 168400
49	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Barry Silicon Installation            Location: Vopak Terminal Windmill Ltd Hayes Road, Sully, Penarth, Vale Of Glamorgan, CF64 5RZ            Authority: Natural Resources Wales            Permit Reference: Kp3734sh            Original Permit Ref: Kp3734sh            Effective Date: 31st March 2016  <b>Status: Effective</b>            Application Type: Bespoke            App. Sub Type: Not Supplied            Positional Accuracy: Automatically positioned to the address            Activity Code: 4.2 A(1) (B)            Activity Description: Not Supplied            Primary Activity: Y</p>	A14SE (E)	895	2	313909 167867
50	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Associated British Ports            Location: Dock Offices, No 2 Dock, Barry Docks, BARRY, South Glamorgan, CF63 4US            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: Vog/12            Dated: 1st March 1994            Process Type: Local Authority Air Pollution Control            Description: PG3/5 Coal, coke and coal product processes  <b>Status: Authorised</b>            Positional Accuracy: Located by supplier to within 10m</p>	A13NE (E)	49	4	313102 168125



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Associated British Ports            Location: No 2 Dock, Barry Docks, Barry            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: VOG/12            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG3/1Blending, packing, loading and use of bulk cement  <b>Status: Permitted</b>            Positional Accuracy: Located by supplier to within 10m</p>	A13NE (E)	49	4	313102 168125
51	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Lafarge Redland Aggregates Limited            Location: Berth 4 Atlantic Way, South Side Dock Number 2, Barry Docks, BARRY, South Glamorgan, CF63            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: NOT GIVEN            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG3/1Blending, packing, loading and use of bulk cement  <b>Status: Application Not Yet Authorised</b>            Positional Accuracy: Located by supplier to within 100m</p>	A8NW (S)	410	4	312907 167552
51	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Rmc Readymix (South Wales) Ltd            Location: 4 Berth Atlantic Way, South Side - Dock No 2, Barry Docks, BARRY, South Glamorgan, CF63 3            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: Bpha/2            Dated: 1st March 1993            Process Type: Local Authority Air Pollution Control            Description: PG3/1Blending, packing, loading and use of bulk cement  <b>Status: Authorised</b>            Positional Accuracy: Manually positioned to the address or location</p>	A8NW (S)	441	4	312905 167521
52	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: W Baker &amp; Son Ltd            Location: Coalyard Opposite Atlantic Way, No 2 Dock, BARRY, South Glamorgan, CF63 3RA            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: Not Given            Dated: 1st March 1993            Process Type: Local Authority Air Pollution Control            Description: PG3/5 Coal, coke and coal product processes  <b>Status: Authorised</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A8NW (S)	510	4	312872 167453
53	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Hanson Building Material Europe Ltd            Location: Atlantic Trading Estate, Wimborne Road, Barry Docks, BARRY, CF63            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: Vog/4            Dated: 1st April 2004            Process Type: Local Authority Air Pollution Control            Description: PG3/1Blending, packing, loading and use of bulk cement  <b>Status: Authorised</b>            Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	544	4	313392 167698
54	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Ab Car Sales            Location: Cardiff Road, Barry, Cf63 2qw            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: VOG/WOB/2            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18SE (N)	568	4	313188 168744



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Hargreaves C/O Maxibrite Ltd            Location: Coal Yard, Off Atlantic Way, No2 Dock, Barry, CF63            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: VOG/Hargreaves/1            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG3/5 Coal, coke and coal product processes  <b>Status: Authorised</b>            Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	591	4	312983 167377
56	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Briscoombe Dry Cleaners            Location: Cardiff Road Business Park, Barry, Cf63 2qw            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: VOG/42/DCC            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/46 Dry cleaning  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18SE (NE)	618	4	313294 168752
57	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Apex Coal Ltd            Location: Coal Yard, Off Atlantic Way, No 2 Dock, BARRY, South Glamorgan, CF63 3RA            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: Vog/11            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG3/1 Blending, packing, loading and use of bulk cement  <b>Status: Authorisation has varied</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A8SW (S)	625	4	312905 167337
58	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Perfections            Location: 180 Holton Road, Barry, Cf63 4hn            Authority: Vale Of Glamorgan County Borough Council, Environmental Health Department            Permit Reference: VOG/42/PB            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/46 Dry cleaning  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A12NW (W)	717	4	312202 168227
	<b>Nearest Surface Water Feature</b>	A13SE (SE)	31	-	313015 168039
59	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Boats/Ships            Location: Barry No 2 Dock, BARRY            Authority: Environment Agency, Welsh Region            Pollutant: Unknown            Note: Deliberate Act            Incident Date: 8th October 1994            Incident Reference: 21358            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Leakage            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13SE (SE)	126	3	313100 168000
60	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Location Description Not Available            Authority: Environment Agency, Welsh Region            Pollutant: Chlorinated Water            Note: Not Supplied            Incident Date: 29th July 1994            Incident Reference: 20962            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>	A13SE (E)	204	3	313200 168000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Atlantic Trading Estate            Authority: Environment Agency, Welsh Region            Pollutant: Crude Sewage            Note: Accident            Incident Date: 12th April 1997            Incident Reference: 31983            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Leakage            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	516	3	313400 167750
61	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Roundabout, Near Atlantic Trading Estate            Authority: Environment Agency, Welsh Region            Pollutant: Sewage - Treated Effluent            Note: Not Supplied            Incident Date: 11th April 1995            Incident Reference: 23302            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>	A14SW (SE)	556	3	313450 167750
62	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Lantic, Trading Estate, Barry Docks, BARRY            Authority: Environment Agency, Welsh Region            Pollutant: Farm Effluent/Slurry            Note: Not Supplied            Incident Date: 31st January 1995            Incident Reference: 22224            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>	A8NE (SE)	610	3	313300 167500
63	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Atlantic Trading Estate            Authority: Environment Agency, Welsh Region            Pollutant: Washery Effluent            Note: Not Supplied            Incident Date: 21st June 1991            Incident Reference: 1253            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)	616	3	313400 167600
64	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Jewsons On, Barry Dock            Authority: Environment Agency, Welsh Region            Pollutant: Agricultural: Silage Liquor            Note: Not Supplied            Incident Date: 16th July 1991            Incident Reference: 1558            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 (E)	643	3	313700 168100
65	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Ici            Authority: Environment Agency, Welsh Region            Pollutant: Farm Effluent/Slurry            Note: Not Supplied            Incident Date: 13th April 1991            Incident Reference: 243            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>	A8SE (S)	662	3	313250 167400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Downstream Of Bp Authority: Environment Agency, Welsh Region Pollutant: Industrial Solid Waste Note: Deliberate Act Incident Date: 11th July 1991 Incident Reference: 1550 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Effluent Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	727	3	313200 167300
66	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Weather Incident Date: 27th June 1992 Incident Reference: 4455 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	731	3	313200 167295
66	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Budget Mix Concrete, BARRY Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 21st July 1991 Incident Reference: 674 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	A8SE (S)	772	3	313200 167250
66	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Chemical Works, BARRY Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Paints / Dyes Note: Deliberate; River Cadoxton Incident Date: 9th July 1998 Incident Reference: 36199 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	819	3	313200 167200
67	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Bendrick Rock, Barry Docks, BARRY Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Paints / Dyes Note: Deliberate; River Cadoxton Incident Date: 31st July 1998 Incident Reference: 36374 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	748	3	313250 167300
67	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Budget Mix, Atlantic Trading Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 27th July 1991 Incident Reference: 1194 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	A8SE (SE)	773	3	313300 167300



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Atlantic Trading Estate            Authority: Environment Agency, Welsh Region            Pollutant: Chemicals - Paints / Dyes            Note: Deliberate; River Cadoxton            Incident Date: 9th July 1998            Incident Reference: 36199            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>	A8SE (S)	823	3	313200 167195
68	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Location Description Not Available            Authority: Environment Agency, Welsh Region            Pollutant: Chemicals - Paints / Dyes            Note: Deliberate; River Cadoxton            Incident Date: 9th July 1998            Incident Reference: 36199            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>	A8SE (S)	825	3	313205 167195
69	<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>	A7SW (SW)	895	3	312300 167300
70	<p><b>Prosecutions Relating to Authorised Processes</b></p> <p>Location: Spider Camp, Hayes Road, Atlantic Trading Estate, Barry, CF63            Prosecution Text: Disposing of controlled waste on land without a WML            Prosecution Act: Epa90 S33(1)(B)            Hearing Date: 12th October 2005            Verdict: Guilty            Fine: 24000            Costs: 5550            Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NW (SE)	678	3	313526 167648
71	<p><b>Prosecutions Relating to Authorised Processes</b></p> <p>Location: Sully, PENARTH, South Glamorgan, CF64            Prosecution Text: EA News Release 07/05/1998, Releasing of between 5.7 and 8.5 tonnes of VCM (vinyl chloride monomer) into the atmosphere from its sully plant. Breaching the conditions of its authorisation.            Prosecution Act: EPA90            Hearing Date: 7th May 1998            Verdict: Guilty            Fine: 18000            Costs: 13000            Positional Accuracy: Manually positioned within the geographical locality</p>	A15SW (E)	953	3	314000 168000
72	<p><b>Prosecutions Relating to Authorised Processes</b></p> <p>Location: Hayes Lane, Barry, CF64 5SF            Prosecution Text: Knowingly Permitting Controlled Waste To Be Deposited At Hayes Lane.            Prosecution Act: Epa90 S33 &amp; S34            Hearing Date: 19th February 2002            Verdict: Guilty            Fine: 750            Costs: 250            Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NE (SE)	989	3	313763 167447
	<p><b>River Quality</b></p> <p>Name: Cadoxton            GQA Grade: River Quality C            Reach: Tidal Limit - Conf.Cold Bk.            Estimated Distance (km): 1.5            Flow Rate: Flow less than 0.62 cumecs            Flow Type: River            Year: 2000</p>	A19SE (NE)	929	3	313919 168499



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	<b>Substantiated Pollution Incident Register</b> Authority: Natural Resources Wales Incident Date: 16th August 2015 Incident Reference: 1365049 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils And Fuel: Mixed/Waste Oils	A13SE (E)	277	2	313318 168051
73	<b>Substantiated Pollution Incident Register</b> Authority: Natural Resources Wales Incident Date: 20th August 2015 Incident Reference: 1366325 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils And Fuel: Gas And Fuel Oils	A14SW (E)	292	2	313329 168038
74	<b>Substantiated Pollution Incident Register</b> Authority: Natural Resources Wales Incident Date: 11th August 2015 Incident Reference: 1363382 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects Damage to Buildings, Vehicles and Vegetation	A18NE (NE)	726	2	313313 168863
75	<b>Substantiated Pollution Incident Register</b> Authority: Natural Resources Wales Incident Date: 1st October 2003 Incident Reference: 193772 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Smoke Pollutant: Asbestos Waste	A9NE (SE)	922	2	313707 167485
76	<b>Water Abstractions</b> 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	A8SE (S)	754	3	313150 167250
76	<b>Water Abstractions</b> 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	A8SE (S)	754	3	313150 167250



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	<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>	A8SE (S)	754	3	313150 167250
76	<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>	A8SE (S)	754	3	313150 167250
76	<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>	A8SE (S)	754	3	313150 167250
76	<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>	A8SE (S)	754	3	313150 167250



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	<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>	A8SE (S)	789	3	313164 167218
76	<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>	A8SE (S)	789	3	313164 167218
76	<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>	A8SE (S)	789	3	313164 167218
76	<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>	A8SE (S)	789	3	313164 167218



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	<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>	A8SE (S)	789	3	313164 167218
76	<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>	A8SE (S)	789	3	313164 167218
76	<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>	A8SE (S)	789	3	313164 167218
76	<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: 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</p>	A8SE (S)	794	3	313164 167213



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	<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: 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</p>	A8SE (S)	796	3	313169 167213
	<p><b>Water Abstractions</b></p> <p>Operator: Dow Corning Ltd  Licence Number: 21/58/11/0003  Permit Version: 100  Location: River Cadoxton At Dow Corning  Authority: Environment Agency, Welsh Region  Abstraction: Chemicals: General Use (High Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: R.Cadoxton  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 5th September 1997  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	1158	3	314190 168395
	<p><b>Water Abstractions</b></p> <p>Operator: Dow Corning Ltd  Licence Number: 21/58/11/0003  Permit Version: 101  Location: River Cadoxton At Dow Corning  Authority: Environment Agency, Welsh Region  Abstraction: Chemicals: General Use (High Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dow Corning Barry  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 8th June 2004  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	1159	3	314190 168400
	<p><b>Water Abstractions</b></p> <p>Operator: Dow Corning Ltd  Licence Number: 21/58/11/0003  Permit Version: 102  Location: River Cadoxton At Dow Corning  Authority: Natural Resources Wales  Abstraction: Chemicals: General Use (High Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dow Corning Barry  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	1159	2	314190 168400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Dow Corning Ltd  Licence Number: 21/58/11/0003  Permit Version: 100  Location: River Cadoxton At Dow Corning  Authority: Environment Agency, Welsh Region  Abstraction: Chemicals: Evaporative Cooling  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: R.Cadoxton  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 5th September 1997  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	1159	3	314190 168400
	<p><b>Water Abstractions</b></p> <p>Operator: Dow Corning Ltd  Licence Number: 21/58/11/0003  Permit Version: 100  Location: River Cadoxton At Dow Corning  Authority: Environment Agency, Welsh Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: River Cadoxton At Dow Corning  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 5th September 1997  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	1163	3	314195 168395
	<p><b>Water Abstractions</b></p> <p>Operator: Dow Corning Ltd  Licence Number: 21/58/11/0003  Permit Version: 100  Location: River Cadoxton At Dow Corning  Authority: Environment Agency, Welsh Region  Abstraction: Chemicals: Process Water  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: River Cadoxton At Dow Corning  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 5th September 1997  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	1164	3	314195 168400
	<p><b>Water Abstractions</b></p> <p>Operator: The Vale Of Glamorgan Council  Licence Number: Wa/058/0011/004  Permit Version: 1  Location: Un-Named Tributary Of The Cold Brook  Authority: Natural Resources Wales  Abstraction: Environmental: Other Environmental Improvements: Transfer Between Sources (Pre Water Act 2003)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 April  Authorised End: 31 March  Permit Start Date: 27th October 2014  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A21SE (NW)	1513	2	311931 169271



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: The Vale Of Glamorgan Council Licence Number: Wa/058/0011/004 Permit Version: 1 Location: Un-Named Tributary Of The Cold Brook Authority: Natural Resources Wales Abstraction: Environmental: Transfer between sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 04 January Authorised End: 03 July Permit Start Date: 27th October 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1513	2	311931 169271
	<b>Water Abstractions</b> 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	A1SW (SW)	1856	3	311620 166620
	<b>Water Abstractions</b> 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 & 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	A1SW (SW)	1856	3	311620 166620
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 36 Mid Glamorgan Scale: 1:100,000	A13NW (SE)	0	3	312966 168085
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - B	A13NW (SE)	0	1	312966 168085
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (SE)	0	1	312966 168085
77	<b>Source Protection Zones</b> Name: Biglis Wells Source: Natural Resources Wales Reference: We073 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A18SW (N)	333	2	312884 168522
	<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	A13SW (S)	0	2	312966 168004



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	A13SE (SE)	12	2	313016 168043
	<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 Models Boundary Accuracy: As Supplied	A13SE (SE)	18	2	313013 168065
	<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 Models Boundary Accuracy: As Supplied	A13SW (S)	20	2	312915 167945
	<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 Models Boundary Accuracy: As Supplied	A13SW (S)	28	2	312980 168010
	<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 Models Boundary Accuracy: As Supplied	A13SE (S)	32	2	312989 168018
	<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	A13SE (S)	33	2	312987 168013
	<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 Models Boundary Accuracy: As Supplied	A13SE (SE)	33	2	312996 168023
	<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	A13SE (SE)	34	2	312997 168023
	<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 Models Boundary Accuracy: As Supplied	A13SE (S)	34	2	312986 168012
	<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	A13SE (S)	35	2	312986 168010
	<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	A13SE (SE)	35	2	312995 168019
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	47	2	313084 168103
	<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 Models Boundary Accuracy: As Supplied	A13SE (E)	48	2	313063 168082
	<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	A13SE (E)	50	2	313066 168083
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	51	2	313070 168085
	<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	A13NE (E)	51	2	313074 168086



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: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	51	2	313064 168079
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	52	2	313079 168094
	<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	A13NE (E)	52	2	313082 168093
	<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	A13NE (E)	53	2	313099 168113
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	54	2	313106 168120
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	54	2	313108 168124
	<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	A13NE (E)	54	2	313104 168116
	<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	A13NE (E)	54	2	313106 168121
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	56	2	313103 168114
	<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	A13NE (E)	56	2	313103 168114
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	56	2	313104 168114
	<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	A13NE (E)	59	2	313116 168133
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	59	2	313117 168133
	<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	A13NE (E)	66	2	313124 168139
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	66	2	313125 168139
	<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	A13NE (NE)	120	2	313177 168173



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: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	121	2	313180 168156
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	126	2	313184 168165
	<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	A13NE (NE)	127	2	313115 168274
	<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	A13NE (NE)	133	2	313105 168295
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	136	2	313195 168154
	<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 Models Boundary Accuracy: As Supplied	A13NE (NE)	137	2	313113 168291
	<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	A13NE (NE)	138	2	313115 168290
	<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	A13NE (N)	139	2	312995 168344
	<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	A13NE (NE)	139	2	313116 168291
	<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	A13NE (E)	142	2	313201 168153
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	145	2	313204 168147
	<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	A13NE (E)	154	2	313212 168127
	<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	A13NE (E)	154	2	313213 168142
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	155	2	313214 168135
	<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 Models Boundary Accuracy: As Supplied	A13NE (NE)	156	2	313104 168327
	<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	A13NE (NE)	157	2	313095 168334



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: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	157	2	313104 168328
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	157	2	313215 168126
	<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	A13NE (E)	158	2	313215 168125
	<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 Models Boundary Accuracy: As Supplied	A13NE (E)	158	2	313216 168125
	<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 Models Boundary Accuracy: As Supplied	A13NE (NE)	159	2	313105 168329
	<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	A13SE (SE)	162	2	313134 167964
	<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 Models Boundary Accuracy: As Supplied	A13NE (NE)	164	2	313156 168284
	<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	A13NE (NE)	165	2	313157 168284
	<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 Models Boundary Accuracy: As Supplied	A13NE (NE)	171	2	313095 168352
	<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	A13NE (NE)	175	2	313094 168357
	<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 Models Boundary Accuracy: As Supplied	A13NE (NE)	179	2	313096 168360
	<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 Models Boundary Accuracy: As Supplied	A13NE (NE)	180	2	313092 168364
	<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	A13NE (NE)	181	2	313096 168362
	<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 Models Boundary Accuracy: As Supplied	A13NE (NE)	184	2	313176 168293
	<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	A13NE (NE)	186	2	313177 168294
	<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	A13NE (NE)	192	2	313224 168245



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 Models Boundary Accuracy: As Supplied	A13SW (SW)	198	2	312815 167784
	<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	A13SW (SW)	201	2	312816 167780
	<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	A13SE (S)	202	2	313011 167793
	<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 Models Boundary Accuracy: As Supplied	A13SE (S)	204	2	313016 167793
	<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 Models Boundary Accuracy: As Supplied	A13SE (S)	204	2	313017 167794
	<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	A13SE (S)	204	2	313016 167794
	<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 Models Boundary Accuracy: As Supplied	A13SW (SW)	207	2	312814 167775
	<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 Models Boundary Accuracy: As Supplied	A13SE (S)	207	2	313007 167784
	<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	A13SW (SW)	208	2	312814 167774
	<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	A13SE (S)	210	2	312998 167776
	<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 Models Boundary Accuracy: As Supplied	A13SE (S)	211	2	312997 167774
	<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 Models Boundary Accuracy: As Supplied	A13SW (SW)	211	2	312807 167774
	<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	A13SE (S)	218	2	312994 167765
	<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	A8NW (S)	231	2	312974 167743
	<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 Models Boundary Accuracy: As Supplied	A8NW (S)	231	2	312977 167744
	<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 Models Boundary Accuracy: As Supplied	A8NW (S)	237	2	312967 167734



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: Tidal Models Boundary Accuracy: As Supplied	A8NW (S)	240	2	312965 167731
	<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 Models Boundary Accuracy: As Supplied	A18SE (N)	248	2	313036 168452
	<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	A18SE (N)	249	2	313025 168454
	<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	A13SE (SE)	12	2	313013 168065
	<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	A13SW (S)	49	2	312935 167914
	<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	A13SW (S)	78	2	312895 167884
	<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	A13SW (SW)	111	2	312866 167858
	<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	A13SW (SW)	119	2	312855 167854
	<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	A13SW (SW)	121	2	312849 167854
	<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	A13SW (SW)	127	2	312845 167849
	<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	A13SW (SW)	127	2	312844 167849
	<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)	133	2	313125 168274
	<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	A13SW (SW)	133	2	312842 167844
	<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	A13SW (SW)	142	2	312834 167838
	<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	A13SW (SW)	170	2	312819 167814
	<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	A13SW (SW)	181	2	312816 167804



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	A13SE (S)	192	2	313034 167824
	<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	A13SE (S)	193	2	313024 167814
	<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	A13SE (S)	194	2	313027 167814
	<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	A13SE (S)	196	2	313017 167804
	<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	A13SW (SW)	198	2	312815 167784
	<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	A13SW (SW)	201	2	312816 167780
	<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	A13SW (SW)	202	2	312806 167785
	<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	A13SE (S)	202	2	313011 167793
	<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	A13SE (S)	207	2	313007 167784
	<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	A13SW (SW)	207	2	312814 167775
	<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	A13SW (SW)	208	2	312814 167774
	<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	A13SW (SW)	208	2	312795 167784
	<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	A13SE (S)	210	2	312998 167776
	<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	A13SE (S)	211	2	312997 167774
	<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	A13SW (SW)	211	2	312807 167774
	<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	A13SW (SW)	222	2	312786 167773



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	A13SW (SW)	224	2	312786 167770
	<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	A13SE (S)	224	2	312984 167755
	<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	A13SW (SW)	225	2	312785 167770
	<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	A13SW (SW)	226	2	312785 167769
	<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	A13SW (SW)	227	2	312784 167768
	<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	A8NW (S)	231	2	312977 167744
	<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	A8NW (S)	231	2	312974 167743
	<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	A13SW (SW)	232	2	312783 167764
	<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	A13SW (SW)	234	2	312778 167764
	<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	A13SW (SW)	235	2	312777 167763
	<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	A8NW (S)	237	2	312967 167734
	<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	A13SW (SW)	238	2	312776 167760
	<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	A13SW (SW)	238	2	312776 167761
	<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	A8NW (S)	240	2	312965 167731
	<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	A13SW (SW)	243	2	312774 167756
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NE (NE)	133	2	313125 168274
	<b>Flood Water Storage Areas</b> None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Flood Defences</b> None				
78	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 590.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dock Number 2 Catchment Name: Thaw Cadoxton Primacy: 1	A13SE (SE)	124	5	313088 167987
79	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 90.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dock Number 2 Catchment Name: Thaw Cadoxton Primacy: 1	A8NW (SW)	284	5	312784 167704
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A8NW (SW)	285	5	312758 167716
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A13SW (SW)	290	5	312688 167767
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A13SW (SW)	290	5	312688 167767
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 69.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A13SW (SW)	290	5	312667 167791
84	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 436.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dock Number 2 Catchment Name: Thaw Cadoxton Primacy: 1	A8NW (S)	292	5	312839 167678
85	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 143.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A18SE (NE)	363	5	313220 168498
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 82.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A19SW (NE)	450	5	313374 168469



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A18SE (N)	450	5	313028 168655
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 327.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A14SW (SE)	540	5	313458 167769
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14SW (SE)	549	5	313449 167760
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A14SW (SE)	551	5	313458 167769
91	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 245.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A9NW (SE)	556	5	313446 167744
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14SW (SE)	558	5	313455 167753
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A9NW (SE)	579	5	313320 167562
94	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A9NW (SE)	586	5	313321 167553
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 105.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A9NW (SE)	589	5	313322 167550



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A8NE (SE)	611	5	313267 167473
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A8NE (SE)	616	5	313262 167462
98	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A8NE (SE)	623	5	313260 167454
99	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A8NE (SE)	623	5	313260 167454
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A8NE (SE)	625	5	313271 167458
101	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14SE (E)	626	5	313670 168011
102	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 461.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A14SE (E)	626	5	313670 168011
103	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A8NE (SE)	627	5	313269 167454
104	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14SE (E)	633	5	313676 168006



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A8SE (S)	640	5	313216 167405
106	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 510.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A8SE (S)	657	5	313222 167388
107	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 53.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A7SE (SW)	699	5	312525 167374
108	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 259.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dock Number 1 Catchment Name: Thaw Cadoxton Primacy: 1	A7SE (SW)	743	5	312476 167353
109	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A19SE (NE)	826	5	313817 168477
110	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A19SE (E)	828	5	313834 168441
111	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 89.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A19SE (E)	830	5	313842 168425
112	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14NE (E)	837	5	313890 168248
113	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 32.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spill Pond Catchment Name: Thaw Cadoxton Primacy: 1	A14NE (E)	876	5	313901 168391



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A14NE (E)	908	5	313933 168395
115	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A19SE (E)	946	5	313953 168460
116	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 108.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dock Number 1 Catchment Name: Thaw Cadoxton Primacy: 2	A7SW (SW)	980	5	312245 167235
117	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 67.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dock Number 1 Catchment Name: Thaw Cadoxton Primacy: 1	A7SW (SW)	980	5	312245 167235
118	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thaw Cadoxton Primacy: 1	A15NW (E)	992	5	314041 168286
119	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A15NW (E)	993	5	314043 168282
120	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 175.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cadoxton River Catchment Name: Thaw Cadoxton Primacy: 1	A15NW (E)	999	5	314048 168288



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Dow Corning Limited            Location: Wimbourne Road, Barry, South Glamorgan            Name: Barry Factory Salt Water Pond            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD14913            First Input Date: 31st December 1972            Last Input Date: Not Supplied            Specified Waste: Deposited Waste included Inert, Industrial, Household and Special Waste, and            Type: Liquid Sludge            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0011            BGS Ref: Not Supplied            Other Ref: 22A</p>	A13NE (NE)	182	2	313205 168257
122	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Not Supplied            Location: Barry Dock No 2, Wimbourne Road, Barry, South Glamorgan            Name: Atlantic Trading Estate            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD14491            First Input Date: 31st December 1993            Last Input Date: 30th April 1996            Specified Waste: Deposited Waste included Inert, Industrial, Household and Special Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0006            BGS Ref: Not Supplied            Other Ref: 6950/0060</p>	A13SE (SE)	391	2	313292 167816
123	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: F J H Brackett            Location: Atlantic Trading Estate, Wimbourne Road, Barry, South Glamorgan            Name: Barry Dock No.1            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD14907            First Input Date: 31st December 1944            Last Input Date: 31st July 1981            Specified Waste: Deposited Waste included Inert, Industrial and Household Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0005            BGS Ref: Not Supplied            Other Ref: 6, 6950/0025</p>	A13SE (SE)	391	2	313292 167816
124	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Dow Corning Limited            Location: Wimbourne Road, Barry, South Glamorgan            Name: Barry Factory Ponds A, B and C            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD14912            First Input Date: 31st December 1977            Last Input Date: Not Supplied            Specified Waste: Deposited Waste included Industrial Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0010            BGS Ref: Not Supplied            Other Ref: 9</p>	A14NW (NE)	511	2	313526 168357
125	<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            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD14908            First Input Date: 31st December 1945            Last Input Date: 31st December 1994            Specified Waste: Deposited Waste included Industrial and Special Waste, and Liquid Sludge            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0007            BGS Ref: Not Supplied            Other Ref: 4</p>	A8NE (S)	547	2	313052 167436



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	<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: EAHLD14909            First Input Date: 31st December 1945            Last Input Date: 31st December 1994            Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0008            BGS Ref: Not Supplied            Other Ref: 16</p>	A8NE (S)	547	2	313052 167436
127	<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: EAHLD14914            First Input Date: 1st January 1996            Last Input Date: 30th November 1996            Specified Waste Type: Deposited Waste included Industrial, Household and Special Waste            EA Waste Ref: 30147            Regis Ref: WU1/L/ASS001            WRC Ref: 6950/0012            BGS Ref: Not Supplied            Other Ref: 61</p>	A7NE (SW)	598	2	312405 167629
128	<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: EAHLD14911            First Input Date: 31st December 1945            Last Input Date: 31st December 1994            Specified Waste Type: Deposited Waste included Industrial Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 6950/0009            BGS Ref: Not Supplied            Other Ref: 8</p>	A8SW (S)	877	2	312683 167113
129	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Dow Corning Ltd            Licence Number: 30043            Location: Dow Corning Landfill, Cardiff Road, Barry, Glamorgan, CF63 2YL            Licence Holder: Dow Corning Ltd            Authority: Natural Resources Wales            Site Category: Industrial Waste Landfills            Max Input Rate: Not Supplied  <b>Licence Status: Issued</b>            Issued: 9th April 1991            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	A13NE (NE)	282	2	313265 168340
130	<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>	A7NE (SW)	588	2	312407 167646



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>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</p>	A7NE (SW)	588	2	312407 167646
132	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 100571  Location: Berth 31, Wimbourne Road, Barry Dock, Barry, Glamorgan, CF63 3DH  Operator Name: Sims Group U K Ltd  Operator Location: Not Supplied  Authority: Natural Resources Wales  Site Category: Metal Recycling Sites (Mixed)  <b>Licence Status: Surrendered</b>  Issued: 11th October 2010  Last Modified: Not Supplied  Expires: Not Supplied  Suspended: Not Supplied  Revoked: Not Supplied  Surrendered: 7th February 2014  IPPC Reference: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	99	2	313090 168260
132	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 900177  Location: Wimborne Rd, Barry, CF63 4DH  Operator Name: Raymond Brown Minerals And Recycling Ltd  Operator Location: Not Supplied  Authority: Natural Resources Wales  Site Category: Use of waste in construction &lt;50,000 tps  <b>Licence Status: Issued</b>  Issued: 28th July 2015  Last Modified: Not Supplied  Expires: Not Supplied  Suspended: Not Supplied  Revoked: Not Supplied  Surrendered: Not Supplied  IPPC Reference: Not Supplied  Positional Accuracy: Manually positioned to the road within the address or location</p>	A13NE (NE)	115	2	313116 168256
133	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 30354  Location: Atlantic Salvage Company, 22 Atlantic Business Park , Barry Docks, Barry, CF63 3RF  Operator Name: Comerford David John  Operator Location: Not Supplied  Authority: Natural Resources Wales  Site Category: End of Life Vehicles  <b>Licence Status: Issued</b>  Issued: 29th September 2005  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</p>	A8NE (SE)	389	2	313180 167691
134	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 30362  Location: Sub Unit 1, 19 Atlantic Crescent , Barry Docks, Barry, CF63 3RG  Operator Name: Levics Len  Operator Location: Not Supplied  Authority: Natural Resources Wales  Site Category: End of Life Vehicles  <b>Licence Status: Issued</b>  Issued: 14th June 2005  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</p>	A8NE (S)	518	2	313114 167490



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 30376            Location: Dow Corning Waste Transfer Station, Cardiff Road, Barry, CF63 2YL            Operator Name: Dow Corning Ltd            Operator Location: Not Supplied            Authority: Natural Resources Wales            Site Category: Material Recycling Treatment Facilities  <b>Licence Status: Issued</b>            Issued: 29th December 2005            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</p>	A14NW (E)	536	2	313595 168171
136	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 400205            Location: Unit 7, Cardiff Road, Barry, CF63 2QW            Operator Name: S B S Salvage Limited            Operator Location: Not Supplied            Authority: Natural Resources Wales            Site Category: Vehicle Depollution Facility &lt;5000 tps  <b>Licence Status: Issued</b>            Issued: 20th August 2013            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</p>	A18SE (NE)	549	2	313293 168673
137	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 30043            Location: Dow Corning Landfill, Cardiff Road, Barry, CF63 2YL            Operator Name: Dow Corning Ltd            Operator Location: Not Supplied            Authority: Natural Resources Wales            Site Category: Industrial Waste Landfills  <b>Licence Status: Issued</b>            Issued: 9th April 1991            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</p>	A19SW (NE)	601	2	313530 168521
138	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 30147            Location: 1 &amp; 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</p>	A7NE (SW)	721	2	312329 167525
139	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 30372            Location: Unit 14e, Atlantic Trading Estate, Barry, CF63 3RF            Operator Name: Andrew Brown &amp; Lee Walter Peacock            Operator Location: Not Supplied            Authority: Natural Resources Wales            Site Category: End of Life Vehicles  <b>Licence Status: Issued</b>            Issued: 26th January 2006            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</p>	A8SE (S)	749	2	313183 167268



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: AB3296HT            Location: Unit 12F, Atlantic Trading Estate, Barry, Vale of Glamorgan, CF63 3RF            Operator Name: Install Waste management Limited            Operator Location: Not Supplied            Authority: Natural Resources Wales            Site Category: Not Supplied  <b>Licence Status: Effective</b>            Issued: 15th November 2016            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: Not Supplied            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	759	2	313323 167331
141	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 30076            Location: Court Road C A Site, Court Road, Barry, CF63 1ET            Operator Name: Vale Of Glamorgan Council            Operator Location: Not Supplied            Authority: Natural Resources Wales            Site Category: Household Waste Amenity Sites  <b>Licence Status: Transferred</b>            Issued: 22nd December 1992            Last Modified: 29th March 1999            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: Not Supplied            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	867	2	312290 168702
142	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: UP3395VQ            Location: Atlantic H W R C, Atlantic H W R C, Barry, South Glamorgan, Vale of Glamorgan, CF63 3RF            Operator Name: FCC Waste Services (UK) Limited            Operator Location: Not Supplied            Authority: Natural Resources Wales            Site Category: Not Supplied  <b>Licence Status: Effective</b>            Issued: 15th June 2016            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: Not Supplied            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	896	2	313443 167249
142	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 102487            Location: Plot 6, Atlantic Trading Estate, Barry, CF63 3RF            Operator Name: Biffa Waste Services Ltd            Operator Location: Not Supplied            Authority: Natural Resources Wales            Site Category: Household Waste Amenity Sites  <b>Licence Status: Issued</b>            Issued: 6th July 2011            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</p>	A9SW (SE)	896	2	313443 167249
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Vale Of Glamorgan County Borough Council            - Has supplied landfill data</p>		0	6	312966 168085
143	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>Location: West Of St Andrews Cottage, St Donats            Reference: 6            Authority: Vale Of Glamorgan County Borough Council  <b>Last Reported Status: Unknown</b>            Types of Waste: Building Hardcore, Domestic            Date of Closure: Not Supplied            Positional Accuracy: Positioned by the supplier            Boundary Quality: Good</p>	A13SE (SE)	381	6	313294 167834



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>Location: West Of St Andrews Cottage, St Donats  Reference: 17  Authority: Vale Of Glamorgan County Borough Council  <b>Last Reported Status: Unknown</b>  Types of Waste: Building Hardcore, Domestic  Date of Closure: Not Supplied  Positional Accuracy: Positioned by the supplier  Boundary Quality: Good</p>	A13SE (SE)	381	6	313294 167834
145	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>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</p>	A7NW (SW)	759	6	312300 167500
146	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>Location: Not Supplied  Reference: 16  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</p>	A8SW (S)	762	6	312900 167200
147	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>Location: Unit 9 Atlantic Trading Estate, Barry, Cf6 6rf  Reference: L17  Authority: Vale Of Glamorgan County Borough Council  <b>Last Reported Status: Unknown</b>  Types of Waste: Not Supplied  Date of Closure: Not Supplied  Positional Accuracy: Positioned by the supplier  Boundary Quality: Good</p>	A9NW (SE)	766	6	313458 167437
148	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>Location: Not Supplied  Reference: 9  Authority: Vale Of Glamorgan County Borough Council  <b>Last Reported Status: Unknown</b>  Types of Waste: Not Supplied  Date of Closure: Not Supplied  Positional Accuracy: Located by supplier to within 100m  Boundary Quality: Not Applicable</p>	A19SE (NE)	800	6	313737 168573



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Dow Corning Ltd            Licence Reference: 38            Site Location: Dow Corning Factory, East No 2 Dock, Barry, South Glamorgan            Licence Easting: 313400            Licence Northing: 168300            Operator Location: Cardiff Road, BARRY, South Glamorgan, CF6 7YL            Authority: Environment Agency Wales, South East Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: Waste produced/controlled by licence holder            Restrictions:            Status: Operational as far as is knownOperational            Dated: 9th April 1991            Preceded By: 22/A WAS 9            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Calcium Sulphate Filter Cake            Carbon Filter / Molecular Sieve            Kieselguhr            Limestone            Max.Waste Permitted By Licence            Silicon Gel            Spent Silicon            Prohibited Waste: Flammable Liquids Including Petrol            Percussive/Explosive/Similar Waste            Special Wastes            Sub'S Control. Radioactive Subs Act'60            Substances As Per Dir. 76/464/EC</p>	A14NW (NE)	373	3	313400 168300
150	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Penarth Commercial Properties Ltd            Licence Reference: 17 (Was 6)            Site Location: Atlantic Trading Estate, Barry Dock, Barry, South Glamorgan            Licence Easting: 313300            Licence Northing: 167700            Operator Location: As Site Address            Authority: Environment Agency Wales, South East Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st March 1979            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: Glass            Office Rubbish            Packaging Materials            Rubble,Hardcore,Concrete            Soil            Timber Waste</p>	A8NE (SE)	476	3	313300 167700



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	<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            Pcb's 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>	A7NW (SW)	759	3	312300 167500
152	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Dow Corning Ltd            Licence Reference: 22/A WAS 9            Site Location: Dow Corning Factory, East 2 Dock, Barry, South Glamorgan            Licence Easting: 313740            Licence Northing: 168570            Operator Location: Cardiff Road, BARRY, South Glamorgan, CF6 7YL            Authority: Environment Agency Wales, South East Area            Site Category: Landfill            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: Only waste produced on site            Restrictions:            Status: Record supersededSuperseded            Dated: 1st December 1980            Preceded By: Not Given            Licence:            Superseded By: 38            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Gellspent Silicon            Inert Calcium Sulphate            Water Treatment Wastes</p>	A19SE (NE)	801	3	313740 168570
153	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Bp. Chemicals Ltd            Licence Reference: 16            Site Location: Barry Docks, Barry, South Glamorgan            Licence Easting: 312800            Licence Northing: 167100            Operator Location: Sully, PENARTH, South Glamorgan, CF6 2YU            Authority: Environment Agency Wales, South East Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st June 1985            Preceded By: 16 WAS 4; 8            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Asbestos            Ind. Non-Haz. Non-Toxic Waste            Industrial Wastes            Prohibited Waste: Special Wastes</p>	A8SW (S)	868	3	312800 167100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Bp. Chemicals Ltd            Licence Reference: 16 WAS 4; 8            Site Location: Barry Docks, Barry, South Glamorgan            Licence Easting: 312800            Licence Northing: 167100            Operator Location: Sully, PENARTH, South Glamorgan, CF6 2YU            Authority: Environment Agency Wales, South East Area            Site Category: Landfill            Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Record supersededSuperseded            Dated: 1st March 1979            Preceded By: Not Given            Licence:            Superseded By: 16            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Asbestos Insulation            Ind. Non-Notifiable Waste            Latex Nitrile            Nitrile Rubber            Non-Haz, Non-Toxic Controlled Waste            Pvc            Pvc As Powder Compound</p>	A8SW (S)	868	3	312800 167100
154	<p><b>Registered Waste Transfer Sites</b></p> <p>Licence Holder: Ecovert Ltd            Licence Reference: 47            Site Location: Court Road Depot, Court Road, Barry, South Glamorgan            Operator Location: South Wales Area Office, Unit 8 Bridgend Business Centre, Bennett Street, BRIDGEND, Mid Glamorgan, CF31 3XJ            Authority: Environment Agency Wales, South East Area            Site Category: Civic Amenity            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Licence Status: Operational as far as is knownOperational            Dated: 22nd December 1992            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Quality: Not Supplied            Authorised Waste: Asbestos            Construction Wastes            Household Waste            Recycled Glass            Recycled Metal            Recycled Oil            Recycled Paper            Recycled Textiles            Refrigerators            Prohibited Waste: Flammable Liquids/Petroleum            Percussive/Explosive/Similar Waste            Special Wastes            Sub'S Control. Radioactive Subs Act'60</p>	A17SW (NW)	908	3	312260 168730



## Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	<p><b>Control of Major Accident Hazards Sites (COMAH)</b></p> <p>Name: Navigator Terminals Windmill Limited            Location: Windmill Site, Vopak Terminal Windmill Ltd, Hayes Road, Penarth, Vale Of Glamorgan, CF64 5RZ            Reference: Not Supplied            Type: Upper Tier  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	895	7	313909 167868
156	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Dow Corning Limited            Location: Cardiff Road, Barry, Cf63 2yl            Authority: Vale Of Glamorgan County Borough Council, Planning Department            Application Ref: 2010/01146/HAZ            Hazardous Substance: Combination of Dangerous Substances            Maximum Quantity: 1850            Application date: 19th October 2010  <b>Decision: Deemed Consent Granted</b>            Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	770	8	313751 168486
157	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Dow Corning Ltd            Location: Cardiff Road, BARRY, South Glamorgan, CF63 2YL            Authority: Vale Of Glamorgan County Borough Council, Planning Department            Application Ref: 1993/00910/HAZ            Hazardous Substance: Unknown at time of report            Maximum Quantity: 2400            Application date: 2nd September 1993  <b>Decision: Deemed Consent Granted</b>            Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	893	8	313880 168500
158	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Dow Corning Limited            Location: Cardiff Road, Barry, Vale Of Glamorgan            Authority: Vale Of Glamorgan County Borough Council, Planning Department            Application Ref: 14/01180/HAZ            Hazardous Substance: Combination of Dangerous Substances            Maximum Quantity: 0            Application date: Not Supplied  <b>Decision: Deemed Consent Granted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	914	8	313872 168566



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)	A13NW (SE)	0	1	312966 168085
159	<b>BGS Recorded Mineral Sites</b> Site Name: Woodham Road Railway Embankment Location: Cardiff, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 6084 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Not Available Geology: Aggregates For Recycling Commodity: Secondary Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	541	1	312500 167600
160	<b>BGS Recorded Mineral Sites</b> Site Name: Coed Yr Hayes Location: Sully, Barry, South Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 161268 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Triassic Geology: Mercia Mudstone Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	669	1	313587 167737
161	<b>BGS Recorded Mineral Sites</b> Site Name: Barry Wharf Location: Atlantic Way, Barry, South Glamorgan, Cf63 3ra Source: British Geological Survey, National Geoscience Information Service Reference: 10851 Type: Wharf <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Marine Deposits Commodity: Marine Sand And Gravel Positional Accuracy: Located by supplier to within 10m	A8SW (S)	680	1	312750 167300
162	<b>BGS Recorded Mineral Sites</b> Site Name: St Mary'S Location: Holton Road, Barry Dock, Barry, South Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 66910 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Triassic Geology: St Mary'S Well Bay Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	880	1	312055 168315
163	<b>BGS Recorded Mineral Sites</b> Site Name: Church Road Location: Barry, South Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 161223 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Friars Point Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A23SW (N)	947	1	312825 169135



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	<b>BGS Recorded Mineral Sites</b> Site Name: Victoria Park Location: Barry, South Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 161224 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Friars Point Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A23SW (N)	956	1	312978 169161
165	<b>BGS Recorded Mineral Sites</b> Site Name: Robins Lane Location: Barry, South Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 161222 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Triassic Geology: Mercia Mudstone Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A22SE (N)	974	1	312624 169102
166	<b>BGS Recorded Mineral Sites</b> Site Name: Barry Wharf Location: Berth 8-9, No 1 Dockatlantic Way, Barry, South Glamorgan, Cf63 3ra Source: British Geological Survey, National Geoscience Information Service Reference: 10852 Type: Wharf <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Marine Deposits Commodity: Marine Sand And Gravel Positional Accuracy: Located by supplier to within 10m	A3NW (S)	979	1	312750 166995
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	312966 168085
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	99	1	312825 168151
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	312966 168085
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	73	1	313046 168014
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	99	1	312825 168151
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	150	1	313156 168264
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	312966 168085
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	312966 168085
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	113	1	313144 168001



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Potential for Landslide Ground Stability Hazards</b></p> <p>Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (E)	240	1	313298 168118
	<p><b>Potential for Running Sand Ground Stability Hazards</b></p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (SE)	0	1	312966 168085
	<p><b>Potential for Running Sand Ground Stability Hazards</b></p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A13SE (SE)	73	1	313046 168014
	<p><b>Potential for Running Sand Ground Stability Hazards</b></p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (NW)	99	1	312825 168151
	<p><b>Potential for Running Sand Ground Stability Hazards</b></p> <p>Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (NE)	150	1	313156 168264
	<p><b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b></p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (SE)	0	1	312966 168085
	<p><b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b></p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A13SE (S)	227	1	313020 167769
	<p><b>Radon Potential - Radon Affected Areas</b></p> <p>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (SE)	0	1	312966 168085
	<p><b>Radon Potential - Radon Protection Measures</b></p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (SE)	0	1	312966 168085



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Harris Pye Uk Ltd            Location: David Davies Road, Barry, South Glamorgan, CF63 4AB            Classification: Marine Engineers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	103	-	312805 167928
168	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S &amp; K Haulage Glamorgan Ltd            Location: David Davies Road, Barry, South Glamorgan, CF63 4AB            Classification: Road Haulage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	186	-	312770 167832
168	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S &amp; K Haulage (Glamorgan) Ltd            Location: David Davies Road, Barry, South Glamorgan, CF63 4AB            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	186	-	312770 167832
168	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Vaughan Transport Systems Ltd            Location: Dock 2, David Davies Road, Barry, CF63 4AB            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	217	-	312730 167830
168	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S &amp; K Haulage Ltd            Location: Dock 2, David Davies Road, Barry, CF63 4AB            Classification: Road Haulage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	217	-	312730 167830
169	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Soltherm E W I Wales Ltd            Location: 2 Dock, Viaduct Road, Barry, South Glamorgan, CF63 4JB            Classification: Distribution Services  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13SW (SW)	256	-	312679 167837
169	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Fraiser Metals            Location: 3 Viaduct Rd, Barry, South Glamorgan, CF63 4JB            Classification: Scrap Metal Merchants  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13SW (SW)	257	-	312679 167835
170	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Scott Packaging Ltd            Location: Atlantic Buildings, Atlantic Crescent, Barry, South Glamorgan, CF63 3RG            Classification: Packaging Materials Manufacturers &amp; Suppliers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	279	-	313123 167793
170	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ocean Engineering            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Commercial Vehicle Bodybuilders &amp; Repairers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13SE (SE)	281	-	313110 167774
171	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: John T Evans Haulage Ltd            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Road Haulage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	304	-	313337 168023
172	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Valevac            Location: Viaduct Road, Barry, South Glamorgan, CF63 4JB            Classification: Carpet, Curtain &amp; Upholstery Cleaners  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A12SE (SW)	306	-	312613 167862
172	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Bruno Timber Products            Location: Viaduct Road, BARRY, South Glamorgan, CF63 4JB            Classification: Fencing Manufacturers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (SW)	306	-	312613 167862



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: E C Wood &amp; Co (Engineers) Ltd            Location: Viaduct Road, Barry, South Glamorgan, CF63 4JB            Classification: Precision Engineers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (SW)	306	-	312613 167862
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Jewson            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Builders' Merchants  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	325	-	313234 167851
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R &amp; N Spraying            Location: 11 Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	338	-	313213 167809
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Dragon Windscreens            Location: Unit 12, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Window Tinting  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	339	-	313223 167819
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: John Clissold            Location: Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	339	-	313223 167819
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Q Ball Powder Coatings Ltd            Location: Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Powder Coatings  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	339	-	313223 167819
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Wardle Painters            Location: Unit 5, Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA            Classification: Spraying - Paint &amp; Coatings  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	340	-	313206 167798
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Baymarine Services Ltd            Location: Rear of 9 Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Coating Specialists  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	340	-	313197 167789
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Extoquip Refridgeration            Location: 10, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Refrigeration Equipment - Commercial  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	344	-	313209 167797
173	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Expoquip Refrigeration            Location: 10, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Refrigeration Equipment - Commercial  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	344	-	313209 167797
174	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Alembic Ltd            Location: Unit 6, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Chemical Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	341	-	313176 167760



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Alembic Ltd            Location: Unit 6, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Chemical Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	341	-	313176 167760
174	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mice Glass            Location: Unit 6, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	341	-	313176 167760
174	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Woodland Garden Products Ltd            Location: Unit 4, Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA            Classification: Fencing Manufacturers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	342	-	313161 167740
174	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Atlantic Salvage            Location: Atlantic Salvage, Unit 22, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Car Breakers &amp; Dismantlers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	389	-	313206 167720
175	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Atlantic Cladding            Location: 8 Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA            Classification: Builders' Merchants  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	343	-	313191 167777
175	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S M Motors            Location: Unit 9, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	343	-	313192 167777
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Frazer Metals            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Scrap Metal Merchants  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A8NE (SE)	344	-	313138 167712
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Gavan Products            Location: 2, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Precision Engineers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	345	-	313148 167720
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Limbtrim Ltd            Location: 2, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Disability Equipment - Manufacturers &amp; Suppliers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	345	-	313148 167720
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Gavan Products            Location: 2, Wimbourne Buildings, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Precision Engineers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	345	-	313148 167720
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S &amp; S Motors            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A8NE (S)	346	-	313114 167689



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Groupe Samat            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A8NE (S)	346	-	313114 167689
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Barry Auto Engineering Ltd            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Commercial Vehicle Servicing, Repairs, Parts &amp; Accessories  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	346	-	313114 167689
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Brt International            Location: Unit F, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A8NE (S)	346	-	313114 167689
177	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A F C            Location: Wimborne Rd, Barry, South Glamorgan, CF63 3DH            Classification: Engineers - General  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A14SW (SE)	383	-	313319 167866
178	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M D H Tanker Cleaning Services            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Tank Cleaning &amp; Repairing  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A8NW (S)	404	-	312954 167562
179	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Jewelleryaddicts            Location: 48, Jewel Street, Barry, South Glamorgan, CF63 3NR            Classification: Jewellery Manufacturers &amp; Repairers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	455	-	312454 168145
180	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Classic Joinery            Location: Rear of Castle Hotel, Jewel Street, Barry, CF63 3NQ            Classification: Joinery Manufacturers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	456	-	312469 168222
180	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Platinum Contract Cleaners Ltd            Location: 3, Lower Morel Street, Barry, CF63 4PJ            Classification: Cleaning Services - Domestic  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	491	-	312432 168221
181	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ironed Out            Location: 2a, Jewel Street, Barry, South Glamorgan, CF63 3NQ            Classification: Ironing &amp; Home Laundry Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	457	-	312531 168351
181	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Barry Tyre Centre Ltd            Location: Barry Tyre Centre, 276-280, Holton Road, Barry, CF63 4HU            Classification: Tyre Dealers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	465	-	312540 168376
181	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cymraeg 4x4 Tyres &amp; Wheels Direct Ltd            Location: 276-280, Holton Road, Barry, South Glamorgan, CF63 4HU            Classification: Tyre Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	465	-	312540 168376
181	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Barry Tyre Centre            Location: 276-280, Holton Road, Barry, South Glamorgan, CF63 4HU            Classification: Tyre Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	465	-	312540 168376



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	<b>Contemporary Trade Directory Entries</b> Name: Barry Tyre Centre Location: Lower Guthrie Street, Barry, South Glamorgan, CF63 4PS Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (W)	469	-	312476 168276
182	<b>Contemporary Trade Directory Entries</b> Name: Barry Tyre Centre Ltd Location: Lower Guthrie Street, Barry, South Glamorgan, CF63 4PS Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NE (W)	469	-	312476 168276
182	<b>Contemporary Trade Directory Entries</b> Name: Motorsports Centre Location: Lower Guthrie St, Barry, South Glamorgan, CF63 4PS Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A12NE (NW)	472	-	312483 168298
183	<b>Contemporary Trade Directory Entries</b> Name: Alistair'S Mini Bus Hire Location: 13, Woodham Road, Barry, South Glamorgan, CF63 4JE Classification: Bus & Coach Operators & Stations <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	470	-	312503 167714
183	<b>Contemporary Trade Directory Entries</b> Name: Tutssel-Warne Location: 13, Woodham Road, Barry, South Glamorgan, CF63 4JE Classification: Joinery Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	470	-	312503 167714
183	<b>Contemporary Trade Directory Entries</b> Name: B & T (Catering Equipment) Ltd Location: 13, Woodham Road, Barry, South Glamorgan, CF63 4JE Classification: Catering Equipment - Servicing & Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	470	-	312503 167714
183	<b>Contemporary Trade Directory Entries</b> Name: Topend Ltd Location: 13, Woodham Road, Barry, South Glamorgan, CF63 4JE Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	470	-	312503 167714
183	<b>Contemporary Trade Directory Entries</b> Name: Raymac Patio Products 97 Location: 12, Woodham Road, Barry, South Glamorgan, CF63 4JE Classification: Concrete Products <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	476	-	312504 167701
183	<b>Contemporary Trade Directory Entries</b> Name: B J Potter & Sons Location: 12, Woodham Road, Barry, South Glamorgan, CF63 4JE Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	476	-	312504 167702
183	<b>Contemporary Trade Directory Entries</b> Name: Church Motors Location: 16, Woodham Road, Barry, CF63 4JE Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	482	-	312476 167738
183	<b>Contemporary Trade Directory Entries</b> Name: Autotec Wales Location: 16, Woodham Road, Barry, South Glamorgan, CF63 4JE Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	490	-	312469 167734
184	<b>Contemporary Trade Directory Entries</b> Name: S & J Car Care Ltd Location: 9, Woodham Road, Barry, South Glamorgan, CF63 4JE Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	482	-	312524 167663



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Prestige Salvage            Location: 9, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Salvage Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	482	-	312524 167663
184	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Bill Richards Co            Location: 9, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Catering Equipment - Servicing &amp; Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	482	-	312524 167663
184	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Vale Of Glamorgan Trade Centre            Location: Unit 8 Woodham Rd, Barry, South Glamorgan, CF63 4JE            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NE (SW)	502	-	312515 167642
185	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Bryan Thomas Car Sales Ltd            Location: Cardiff Road, Barry, South Glamorgan, CF63 2QW            Classification: Car Dealers - Used  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	493	-	313133 168682
185	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Bryan Thomas            Location: Cardiff Road, Barry, South Glamorgan, CF63 2QW            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	493	-	313133 168682
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: D A T S C            Location: 5, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Garage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	497	-	312548 167614
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: German Car &amp; Camper            Location: 5, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	497	-	312548 167614
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cars On Gas            Location: 4, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A7NE (SW)	497	-	312548 167614
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Welsh Caravan Specialist            Location: 5, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Caravans - Servicing &amp; Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	497	-	312548 167614
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cars On Gas            Location: Ross Garage, 4, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Garage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	500	-	312553 167604
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Star Window Systems Ltd            Location: 3, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Window Frame Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	502	-	312564 167592
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ross Garage            Location: 3, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Mot Testing Centres  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	502	-	312564 167592



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Frazer Metals            Location: 2, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Scrap Metal Merchants            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	505	-	312569 167583
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: G &amp; S Tyres            Location: 1, Woodham Road, Barry, South Glamorgan, CF63 4JE            Classification: Tyre Dealers            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	507	-	312576 167574
187	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: 1st Choice Trade Appliance Centre            Location: 19 Lower Guthrie St, Barry, South Glamorgan, CF63 4PS            Classification: Domestic Appliances - Servicing, Repairs &amp; Parts            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A12NE (NW)	497	-	312470 168328
188	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ross Upholstery            Location: Unit 7, Arcade Workshops, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Furniture - Repairing &amp; Restoring            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	521	-	313162 167511
188	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: K A Engineering            Location: Unit 19, Arcade Workshops, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Engineering Machine Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	521	-	313163 167511
188	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ray Hawkins            Location: Unit 19, Arcade Workshops, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Furniture - Reproduction            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	521	-	313163 167511
188	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: D &amp; J Sheet Metal            Location: Unit 19, Arcade Workshops, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Sheet Metal Work            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	521	-	313163 167511
188	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: J &amp; S Autos            Location: Unit 19, Arcade Workshops, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	521	-	313163 167511
188	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Sos Salvage Car Breakers            Location: Unit 19, Atlantic Crescent, Barry Docks, Barry, South Glamorgan, CF63 3RF            Classification: Car Breakers &amp; Dismantlers            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	533	-	313132 167482
189	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Broadside            Location: 243 Holton Rd, Barry, South Glamorgan, CF63 4HT            Classification: Car Customizing Specialists            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A12NE (NW)	525	-	312475 168388
189	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Glamorgan Cleaning Services Ltd            Location: 237, Holton Road, Barry, South Glamorgan, CF63 4HT            Classification: Carpet, Curtain &amp; Upholstery Cleaners            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	534	-	312459 168382



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
190	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Salevon Ltd            Location: Old Docks Canteen, Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Staircase, Balustrade &amp; Handrail Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	532	-	312960 167434
191	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Tank Gauging Systems            Location: Wimborne Rd, Barry, South Glamorgan, CF63 3DH            Classification: Tank Cleaning &amp; Repairing  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NW (SE)	537	-	313406 167724
191	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Vale Aggregates Ltd            Location: Wimborne Road, Barry, South Glamorgan, CF63 3DH            Classification: Sand, Gravel &amp; Other Aggregates  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A9NW (SE)	544	-	313393 167700
192	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Robert Price Builders Merchants            Location: Cardiff Road, Barry, South Glamorgan, CF63 2QW            Classification: Builders' Merchants  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	543	-	313219 168705
192	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Scrap 4 Cash            Location: Cardiff Rd, Barry, South Glamorgan, CF63 2QW            Classification: Scrap Yards  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A18SE (N)	562	-	313209 168729
192	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Oneil'S Car Sales            Location: Cardiff Road, Barry, South Glamorgan, CF63 2QW            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	601	-	313219 168767
193	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Laundry Rooms            Location: 25, Vere Street, Barry, South Glamorgan, CF63 2HW            Classification: Dry Cleaners  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	553	-	313057 168757
194	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Seabreezes            Location: 223, Holton Road, Barry, CF63 4HR            Classification: Dry Cleaners  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	566	-	312412 168365
194	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Drift In            Location: 223, Holton Road, Barry, South Glamorgan, CF63 4HR            Classification: Laundries &amp; Launderettes  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	566	-	312412 168365
194	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: D J Exhausts Fast Fit Service            Location: 38, Morel Street, Barry, South Glamorgan, CF63 4PL            Classification: Exhaust &amp; Shock Absorber Centres  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	583	-	312403 168383
195	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Facelift Cleaning Systems Ltd            Location: Unit 7 Windmill Industrial Estate, Wimborne Road, Barry, South Glamorgan, CF63 3DH            Classification: Cleaning Materials &amp; Equipment  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	575	-	313460 167731



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Window Cleaning Ltd            Location: Unit 7, Wimborne Road, Barry, South Glamorgan, CF63 3DH            Classification: Cleaning Materials &amp; Equipment  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	575	-	313460 167731
195	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Facelift Cleaning Systems            Location: Unit 7, Wimborne Road, Barry, South Glamorgan, CF63 3DH            Classification: Cleaning Services - Domestic  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	575	-	313460 167731
196	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Scott Pallets            Location: Atlantic Way, Barry, South Glamorgan, CF63 3RA            Classification: Pallets, Crates &amp; Packing Cases  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A8SW (S)	578	-	312826 167389
197	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Advanced Membrane Coatings            Location: Castleland St, Barry, South Glamorgan, CF63 4LL            Classification: Concrete Contractors  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A12SE (W)	579	-	312326 168082
198	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Exhaust Tyres &amp; Batteries Of Barry            Location: Cardiff rd, Barry, South Glamorgan, CF63 2QW            Classification: Tyre Dealers  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18SE (NE)	580	-	313266 168724
198	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Barry Motors Ltd            Location: Barry Motors, Cardiff Road, Barry, CF63 2QW            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SE (NE)	580	-	313266 168723
198	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A &amp; J Motors            Location: Cardiff Road, BARRY, South Glamorgan, CF63 2QW            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SE (NE)	588	-	313271 168730
198	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S B S Salvage            Location: Rear of Unit 7, Cardiff Road, Barry, South Glamorgan, CF63 2QW            Classification: Scrap Metal Merchants  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A18SE (NE)	588	-	313271 168730
198	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Wheelie Smart            Location: Cardiff Road, BARRY, South Glamorgan, CF63 2QW            Classification: Mot Testing Centres  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SE (NE)	595	-	313278 168734
198	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Briscoe Cleaning Services            Location: Cardiff Road, BARRY, South Glamorgan, CF63 2QW            Classification: Dry Cleaners  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SE (NE)	616	-	313291 168751
199	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Aquamarine            Location: Unit 18-19, Atlantic Trading Est, Barry, South Glamorgan, CF63 3RF            Classification: Boatbuilders &amp; Repairers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A8NE (SE)	583	-	313235 167484
200	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Car &amp; Commercials            Location: Windmill industrial estate, Wimborne Rd, Barry, South Glamorgan, CF63 3DH            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	592	-	313462 167707



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
200	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Sims Metal Management            Location: 31 Wimborne Rd, Barry, South Glamorgan, CF63 3DH            Classification: Scrap Metal Merchants  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NW (SE)	592	-	313440 167680
200	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: J L Glazing &amp; Glass            Location: Windmill Indust Est,Wimbourne Rd, Barry, South Glamorgan, CF63 3DH            Classification: Glass Products - Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NW (SE)	595	-	313442 167677
200	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A F C Engineering Care Of T J Williams            Location: Wimborne Road, Barry, South Glamorgan, CF63 3DH            Classification: Engineers - General  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	614	-	313432 167639
201	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ian Lowe Ltd            Location: 71, St. Marys Avenue, Barry, South Glamorgan, CF63 4LT            Classification: Aviation Engineers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (W)	593	-	312310 167985
202	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Wayne Matthews            Location: Unit 7, Cardiff Road Business Park, Cardiff Road, Barry, South Glamorgan, CF63 2PQ            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	605	-	313348 168704
202	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Trade Price Cars (Barry) Ltd            Location: Unit 7, Cardiff Road Business Park, Cardiff Road, Barry, South Glamorgan, CF63 2PQ            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19SW (NE)	605	-	313348 168704
202	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Autopro Of Barry            Location: Unit 7, Cardiff Road Business Park, Cardiff Road, Barry, South Glamorgan, CF63 2PQ            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	605	-	313348 168704
202	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Autopro Garage Services            Location: Unit 7, Cardiff Road Business Park, Cardiff Road, Barry, CF63 2PQ            Classification: Garage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	606	-	313348 168706
202	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Howe Motors Ltd            Location: Unit 8-8b, Cardiff Road Business Park, Cardiff Road, Barry, South Glamorgan, CF63 2PQ            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19SW (NE)	619	-	313359 168714
202	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R Cheeseman            Location: Unit 9, Cardiff Road Business Park, Cardiff Road, Barry, South Glamorgan, CF63 2PQ            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	629	-	313369 168718
202	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Conix Ltd            Location: 8-9b, Unit, Cardiff Road Business Park, Cardiff Road, Barry, South Glamorgan, CF63 2PQ            Classification: Engineers - General  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned in the proximity of the address</p>	A19SW (NE)	655	-	313370 168750



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
203	<b>Contemporary Trade Directory Entries</b> Name: J L Minimix Location: Unit S86, Wimbourne Road, Barry, South Glamorgan, CF63 3DH Classification: Concrete & Mortar Ready Mixed <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SW (SE)	606	-	313518 167752
204	<b>Contemporary Trade Directory Entries</b> Name: Dop'S Location: 42, Dock View Road, Barry, South Glamorgan, CF63 4LQ Classification: Painting & Decorating Supplies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	618	-	312292 167861
205	<b>Contemporary Trade Directory Entries</b> Name: D B Engineering Services Location: Unit 12 Atlantic Crescent, Barry, South Glamorgan, CF63 3RG Classification: Engineers - General <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	639	-	312916 167324
205	<b>Contemporary Trade Directory Entries</b> Name: R I P Custom Location: Unit 19 Sub Unit 7, Atlantic Crescent, Barry, South Glamorgan, CF63 3RG Classification: Spraying - Paint & Coatings <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	641	-	312871 167322
205	<b>Contemporary Trade Directory Entries</b> Name: Leisure Solutions Uk Ltd Location: Unit 1, Atlantic Crescent, Barry, South Glamorgan, CF63 3RG Classification: Cabinet Makers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	641	-	312871 167322
205	<b>Contemporary Trade Directory Entries</b> Name: Caring Coaches Location: Unit 8,2 Atlantic Cr, Barry, South Glamorgan, CF63 3RG Classification: Bus & Coach Operators & Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A8SW (S)	641	-	312870 167322
205	<b>Contemporary Trade Directory Entries</b> Name: Ecd Castings Ltd Location: Unit 2, Atlantic Crescent, Barry, CF63 3RG Classification: Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	660	-	312897 167302
206	<b>Contemporary Trade Directory Entries</b> Name: T Shirt Printing 4 U Location: The Warehouse, Castleland Street, Barry, CF63 4LL Classification: Printers Textile <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	649	-	312267 168206
207	<b>Contemporary Trade Directory Entries</b> Name: Copy-It Location: 196, Holton Road, Barry, South Glamorgan, CF63 4HN Classification: Copying & Duplicating Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	659	-	312269 168262
207	<b>Contemporary Trade Directory Entries</b> Name: Copy It Location: 196, Holton Road, Barry, CF63 4HN Classification: Copying & Duplicating Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	661	-	312268 168265
207	<b>Contemporary Trade Directory Entries</b> Name: Coolcare Technical Services Location: Flat 1, 194, Holton Road, Barry, South Glamorgan, CF63 4HN Classification: Air Conditioning & Refrigeration Contractors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	662	-	312265 168260
207	<b>Contemporary Trade Directory Entries</b> Name: Community Nurses Location: Holton Rd, Barry, South Glamorgan, CF63 4HN Classification: Hospitals <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	681	-	312249 168272



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Viney Cleaning            Location: 15, Harvey Street, Barry, CF63 2HZ            Classification: Commercial Cleaning Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	663	-	312993 168868
209	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A J Millar            Location: 42, Harvey Street, Barry, South Glamorgan, CF63 2HZ            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	671	-	313044 168875
209	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Noah'S Garage            Location: 42, Harvey Street, BARRY, South Glamorgan, CF63 2HZ            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	671	-	313044 168875
210	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Concrete Design Centre            Location: Unit 13a, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Concrete Products  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (SE)	675	-	313276 167401
211	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Howdens Joinery Ltd            Location: Unit 14,14 Cardiff Rd Business Pk,Cardiff Rd, Barry, South Glamorgan, CF63 2PQ            Classification: Joinery Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19SW (NE)	677	-	313410 168748
211	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R I M Motors            Location: Unit 12-13, Cardiff Road Business Park, Cardiff Road, Barry, CF63 2PQ            Classification: Garage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	680	-	313412 168751
212	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M B Haulage Ltd            Location: Unit 14A, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	703	-	313246 167349
212	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R D Baker Commercials            Location: Unit 14, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	703	-	313246 167349
212	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A &amp; N Car &amp; Commercial Repair            Location: Unit 14, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	703	-	313246 167349
213	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ecovert Ltd            Location: Hayes Rd, Penarth, South Glamorgan, CF64 5SG            Classification: Waste Disposal Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NW (SE)	706	-	313612 167710
213	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mike Brinkard            Location: The Windmill Site,Hayes Rd, Sully, Penarth, South Glamorgan, CF64 5SE            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NW (SE)	722	-	313646 167728



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: White Lightening Launderette            Location: 59, Vere Street, Barry, South Glamorgan, CF63 2HW            Classification: Laundries &amp; Launderettes            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	711	-	313091 168912
215	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mechanical Services            Location: 57, Station Street, Barry, South Glamorgan, CF63 4LW            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	712	-	312192 168006
215	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Barry Motor Services            Location: 57, Station Street, Barry, South Glamorgan, CF63 4LW            Classification: Garage Services            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	712	-	312192 168006
216	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: B E T S            Location: Unit 4-6, Cardiff Road Business Park, Cardiff Road, Barry, CF63 2PQ            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	714	-	313388 168809
216	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: B E T S            Location: Unit 4/6, Cardiff Road Business Park, Cardiff Road, Barry, South Glamorgan, CF63 2PQ            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	715	-	313388 168809
217	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Perfections            Location: 180, Holton Road, Barry, South Glamorgan, CF63 4HN            Classification: Dry Cleaners            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	716	-	312203 168227
217	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: G T M Uk            Location: 159, Holton Road, Barry, South Glamorgan, CF63 4HP            Classification: Electronic Component Manufacturers &amp; Distributors            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	732	-	312195 168269
217	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Anterior Dental Laboratory            Location: 157, Holton Road, Barry, CF63 4HP            Classification: Medical &amp; Dental Laboratories            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	736	-	312191 168268
218	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: J S Bowsher Ltd            Location: Unit 3a, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Joinery Manufacturers            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	719	-	313538 167599
218	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: J &amp; E Hall Ltd            Location: Unit D1, Atlantic Trading Estate, BARRY, South Glamorgan, CF63 3RF            Classification: Air Conditioning &amp; Refrigeration Contractors            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	750	-	313552 167567
218	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Verde Coffee            Location: D2 Atlantic Gate, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Catering Equipment            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	759	-	313557 167560



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
219	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cross Street Motors            Location: Cross Street Garage, Cross Street, Barry, South Glamorgan, CF63 4LU            Classification: Car Body Repairs            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	728	-	312178 168122
219	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cash For Clothes            Location: 91, Station Street, Barry, South Glamorgan, CF63 4LX            Classification: Waste Disposal Services            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	772	-	312135 168134
220	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: L D H Motors            Location: Unit 12c, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	729	-	313329 167372
220	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Heinnie Haynes            Location: Unit 12c, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Cutlery Manufacturers            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	729	-	313329 167372
220	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Nick'S Auto Repairs            Location: Unit 12d, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Car Body Repairs            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	739	-	313327 167359
220	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: L D H Motors            Location: Unit 12, Atlantic Trading Est, Barry, South Glamorgan, CF63 3RF            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A9SW (SE)	752	-	313333 167347
220	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: David James &amp; Son            Location: Unit 8n Atlantic House, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: French Polishing            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A9SW (SE)	752	-	313333 167347
220	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ornamental Iron Ltd            Location: Unit 8, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Fencing Manufacturers            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	752	-	313333 167347
220	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Lead Automation Systems Ltd            Location: Unit 8, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Automation Systems &amp; Equipment            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	752	-	313333 167347
220	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Aspfase            Location: Unit 8, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Rubber &amp; Plastic Products - Manufacturers            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A9SW (SE)	752	-	313333 167347
221	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Kick The Bucket Cleaning Ltd            Location: 36, Kingsland Crescent, Barry, South Glamorgan, CF63 4JQ            Classification: Cleaning Services - Domestic            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	733	-	312169 167941



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
222	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Barry Advertiser Ltd            Location: Watson Street, Barry, South Glamorgan, CF63 4EQ            Classification: Printers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	739	-	312210 168339
222	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: G A Management Services            Location: 2, Cora Street, Barry, South Glamorgan, CF63 4EP            Classification: Copying &amp; Duplicating Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	758	-	312189 168338
222	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Llan Motors            Location: Evelyn Street, Barry, CF63 4EN            Classification: Garage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	766	-	312196 168377
223	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Jones Dairies            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</p>	A12SW (W)	742	-	312176 167808
224	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Colin Stevens Commercial Ltd            Location: 1, Hayes Lane, Sully, Penarth, CF64 5SF            Classification: Commercial Vehicle Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	747	-	313638 167677
225	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: South West Metals &amp; Salvage            Location: Unit 14e Atlantic Trading Est, Barry, South Glamorgan, CF63 3RF            Classification: Scrap Metal Merchants  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A8SE (S)	752	-	313184 167265
225	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ace Site Services Ltd            Location: Unit 14D, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Industrial Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	753	-	313172 167259
225	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Danecraft Master Cabinet Makers            Location: Unit 14D, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Cabinet Makers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	753	-	313172 167259
225	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A &amp; L Vehicle Recycling &amp; Scrap Metals Ltd            Location: Unit 14e, Atlantic Trading Estate, BARRY, South Glamorgan, CF63 3RF            Classification: Scrap Metal Merchants  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	753	-	313172 167259
226	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Small Batch Polishing &amp; Plating            Location: Unit 2, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Metal Finishing Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	756	-	313610 167629
227	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Predator            Location: 14, Morlais Street, BARRY, South Glamorgan, CF63 2PB            Classification: Pest &amp; Vermin Control  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	771	-	313483 168811
228	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Bikers Gear            Location: 37, Main Street, Barry, South Glamorgan, CF63 2HJ            Classification: Cycle Accessories, Manufacturers &amp; Wholesalers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	775	-	312985 168980



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
228	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Main Street Motors            Location: 38, Main Street, Barry, CF63 2HJ            Classification: Garage Services            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	818	-	312972 169023
229	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Travis Perkins Plc            Location: Morel Street, Barry, South Glamorgan, CF63 4PN            Classification: Builders' Merchants            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	775	-	312289 168559
229	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Kwik Fit            Location: Court Road, Barry, CF63 4EU            Classification: Tyre Dealers            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	819	-	312268 168602
230	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Lydair Environmental Ventilation            Location: 20, Court Road, Barry, South Glamorgan, CF63 4EU            Classification: Ventilators &amp; Ventilation Systems            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	780	-	312226 168471
231	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Barri Print            Location: 156, Holton Road, Barry, South Glamorgan, CF63 4TY            Classification: Printers            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	791	-	312120 168186
231	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Charlie'S Cleaners            Location: 26, Merthyr Street, Barry, South Glamorgan, CF63 4LA            Classification: Cleaning Services - Domestic            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	815	-	312095 168171
232	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S H S Integrated Services            Location: Unit 15a, Atlantic Business Park, Barry, South Glamorgan, CF63 3RF            Classification: Scaffolding &amp; Work Platforms            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A9SW (SE)	793	-	313468 167407
232	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A K            Location: Unit 9, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	793	-	313468 167407
232	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Levics Vehicle Recycling Services            Location: Unit 9, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	793	-	313468 167407
232	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Western Welding &amp; Engineering Co Ltd            Location: Unit 9, Atlantic Trading Estate, BARRY, South Glamorgan, CF63 3XA            Classification: Engineers - General            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	793	-	313468 167407
232	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M &amp; G Haulage Container Service Ltd            Location: Unit 9, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Road Haulage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	793	-	313468 167407
232	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: G D Blasting            Location: Unit 9, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Blast Cleaning            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	793	-	313468 167407



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
232	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R M C Aggregates            Location: Unit 8-9,Atlantic Trading Est, Barry, South Glamorgan, CF63 3RF            Classification: Sand, Gravel &amp; Other Aggregates  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A9SW (SE)	794	-	313468 167406
233	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Welsh Motor Spares            Location: Unit 12,Atlantic Trading Est, Barry, South Glamorgan, CF63 3RF            Classification: Car Breakers &amp; Dismantlers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A8SE (S)	799	-	313140 167200
234	<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>	A12SW (W)	800	-	312121 167790
235	<p><b>Contemporary Trade Directory Entries</b></p> <p>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</p>	A12SW (W)	803	-	312106 167862
236	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Derek Freye            Location: 145, Holton Road, Barry, South Glamorgan, CF63 4HP            Classification: Dry Cleaners  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	804	-	312115 168237
236	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Bagz            Location: 146, Holton Road, Barry, South Glamorgan, CF63 4HL            Classification: Bags, Belts &amp; Accessories - Manufacturers &amp; Suppliers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	823	-	312089 168198
237	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Appliance Centre Of Barry Ltd            Location: 71-73, Main Street, Barry, South Glamorgan, CF63 2HL            Classification: Domestic Appliances - Servicing, Repairs &amp; Parts  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	815	-	312855 169006
237	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Appliance Centre Of Barry Ltd            Location: 73, Main Street, Barry, South Glamorgan, CF63 2HL            Classification: Domestic Appliances - Servicing, Repairs &amp; Parts  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	815	-	312855 169006
237	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: In-A-Spin            Location: 70, Main Street, Barry, South Glamorgan, CF63 2HN            Classification: Laundries &amp; Launderettes  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	843	-	312888 169040
238	<p><b>Contemporary Trade Directory Entries</b></p> <p>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</p>	A7NW (SW)	817	-	312132 167689
239	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A P C Panels Ltd            Location: Atlantic Trading Estate, BARRY, South Glamorgan, CF63 3RF            Classification: Door Manufacturers - Domestic  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	822	-	313193 167194
240	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Penarth Industrial Services Ltd            Location: Unit C,Atlantic Trading Est, Barry, South Glamorgan, CF63 3RF            Classification: Engineers - General  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A9SW (SE)	828	-	313336 167258



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: E J Llewellyn Printers Ltd            Location: 62, Main Street, Barry, South Glamorgan, CF63 2HN            Classification: Printers            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	837	-	312910 169038
242	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Nu-Co            Location: Unit 15, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Blast Cleaning            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	855	-	313310 167211
243	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Dustmates            Location: 2, Wyndham Street, Barry, South Glamorgan, CF63 4EL            Classification: Cleaning Services - Domestic            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (W)	857	-	312119 168429
244	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Chivers Restoration            Location: 21-22, Cardiff Road, Barry, South Glamorgan, CF63 2QY            Classification: Fireplaces &amp; Mantelpieces            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	860	-	313580 168846
244	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Stove Room Cardiff            Location: 22, Cardiff Road, Barry, CF63 2QY            Classification: Fireplaces &amp; Mantelpieces            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	862	-	313585 168844
245	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S J B Complete Cleaning            Location: 9, Fryatt Street, Barry, South Glamorgan, CF63 4JU            Classification: Carpet, Curtain &amp; Upholstery Cleaners            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	875	-	312030 167890
246	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: G M Plumbing And Heating            Location: 56, Coronation Street, Barry, South Glamorgan, CF63 4JX            Classification: Boilers - Servicing, Replacements &amp; Repairs            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	878	-	312024 167980
247	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A1 Smart Repairs Mobile            Location: Belvedere Cr, Barry, South Glamorgan, CF63 4JZ            Classification: Car Body Repairs            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A12NW (W)	880	-	312025 168118
248	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Sbs Salvage Ltd            Location: 7, Nordale Rise, Barry, South Glamorgan, CF63 2QN            Classification: Scrap Metal Merchants            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	889	-	313408 168998
249	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Clarke &amp; Sons Ltd            Location: Cardiff Road, Barry, South Glamorgan, CF63 2NW            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NE (NE)	893	-	313657 168816
249	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Port Painters Ltd            Location: Cardiff Road, Barry, South Glamorgan, CF63 2NW            Classification: Spraying - Paint &amp; Coatings            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NE (NE)	893	-	313657 168816
250	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Pendragon Cleaning Services            Location: 4, Llewellyn Street, Barry, South Glamorgan, CF63 1BZ            Classification: Cleaning Services - Domestic            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17NE (NW)	908	-	312412 168892



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
251	<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	A7NW (SW)	908	-	312095 167546
252	<b>Contemporary Trade Directory Entries</b> Name: Groupe Samat Uk Ltd Location: Port Office, Atlantic Way, Barry, CF63 3US Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	917	-	312645 167082
252	<b>Contemporary Trade Directory Entries</b> Name: Associated British Ports Location: Port Office, Atlantic Way, Barry, South Glamorgan, CF63 3US Classification: Ports, Docks & Harbours <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	917	-	312646 167082
252	<b>Contemporary Trade Directory Entries</b> Name: Associated British Ports Location: Port Office, Atlantic Way, Barry, South Glamorgan, CF63 3US Classification: Ports, Docks & Harbours <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	917	-	312646 167082
252	<b>Contemporary Trade Directory Entries</b> Name: Associated British Ports Location: Port Office, Atlantic Way, Barry, South Glamorgan, CF63 3US Classification: Ports, Docks & Harbours <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	917	-	312646 167082
253	<b>Contemporary Trade Directory Entries</b> Name: Hillary'S Blinds Ltd Location: Telephone Exchange, Dock View Road, Barry, South Glamorgan, CF63 4UF Classification: Blinds, Awnings & Canopies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	922	-	311985 167867
254	<b>Contemporary Trade Directory Entries</b> Name: I J P Automotive Ltd Location: 65, Merthyr Street, Barry, CF63 4LD Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	926	-	311981 168158
254	<b>Contemporary Trade Directory Entries</b> Name: Haggard Motors (Wales) Ltd Location: Merthyr Street, Barry, South Glamorgan, CF63 4LD Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	926	-	311981 168158
254	<b>Contemporary Trade Directory Entries</b> Name: John Rees (Agricultural Merchants) Ltd Location: Merthyr Street, Barry, South Glamorgan, CF63 4UL Classification: Pet Foods & Animal Feeds <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A11NE (W)	970	-	311937 168157
255	<b>Contemporary Trade Directory Entries</b> Name: Harper & Kemp Location: 58, Barry Road, Barry, South Glamorgan, CF63 1BA Classification: Coal & Smokeless Fuel Merchants & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	926	-	312527 168998
255	<b>Contemporary Trade Directory Entries</b> Name: Harper & Kemp Location: 58, Barry Road, Barry, South Glamorgan, CF63 1BA Classification: Coal & Smokeless Fuel Merchants & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	926	-	312527 168998
256	<b>Contemporary Trade Directory Entries</b> Name: A B Service Centre Location: Cardiff Rd, Barry, South Glamorgan, CF63 2NW Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A19NE (NE)	929	-	313742 168778



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
257	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mrc Trading            Location: The Garage, Fairford St, Barry, South Glamorgan, CF63 1BY            Classification: Car Breakdown &amp; Recovery Services            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A17NE (N)	968	-	312586 169078
258	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: 1st Choice Appliances            Location: 3a, Tynwydd Road, Barry, CF62 8HB            Classification: Washing Machines - Servicing &amp; Repairs            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NE (W)	979	-	311944 168277
259	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Techni-Flow Uk Ltd            Location: Atlantic House, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Pumps - Sales, Servicing &amp; Repairs            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	980	-	313594 167269
259	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: David James &amp; Son            Location: Unit 8, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: French Polishing            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	999	-	313631 167281
259	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Champions Lifting And Safety            Location: Atlantic House, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Lifting Equipment            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	999	-	313631 167281
259	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Techni Flow (Uk) Ltd            Location: Unit 8, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF            Classification: Pumps - Sales, Servicing &amp; Repairs            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	999	-	313631 167281
259	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Vale Of Glamorgan Brewery            Location: Unit 8a, Atlantic Trading Estate, Barry, CF63 3RF            Classification: Brewers            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	999	-	313631 167280
260	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Acl            Location: Herbert Street, Barry, South Glamorgan, CF63 1EA            Classification: Joinery Manufacturers            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17NE (NW)	985	-	312376 168963
261	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Coles Coal Merchants            Location: Morfa, Victoria Park Road, Barry, South Glamorgan, CF63 2JS            Classification: Coal &amp; Smokeless Fuel Merchants &amp; Distributors            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A23SE (N)	986	-	313221 169168
262	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Tags Cleaning            Location: 44, Norwood Crescent, Barry, South Glamorgan, CF63 2AR            Classification: Cleaning Services - Domestic            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A24SW (N)	990	-	313380 169122
263	<p><b>Fuel Station Entries</b></p> <p>Name: Barry Service Station            Location: 146 Court Road, BARRY, South Glamorgan, CF63 1EU            Brand: Obsolete            Premises Type: Not Applicable            Status: <b>Obsolete</b>            Positional Accuracy: Approximate location provided by supplier</p>	A17SW (NW)	754	-	312268 168491



## Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
264	<b>Ancient Woodland</b> Name: Not Supplied Reference: 11327 Area(m <sup>2</sup> ): 36196.65 Type: Restored Ancient Woodland Site	A9NE (SE)	894	2	313714 167539
265	<b>Sites of Special Scientific Interest</b> Name: Hayes Point To Bendrick Rock Multiple Areas: Y Total Area (m2): 289900.65 Source: Natural Resources Wales Reference: 51033wdp Designation Details: Geological Designation Date: 18th March 1996 Date Type: Notified	A8SE (S)	793	2	313123 167202



Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Vale Of Glamorgan County Borough Council - Environmental Health Department Cardiff Council - Pollution Control Division	April 2014 October 2017	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Welsh Region Natural Resources Wales	August 2014 August 2017	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Welsh Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Welsh Region	October 2008	Variable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2017	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Vale Of Glamorgan County Borough Council - Environmental Health Department Cardiff Council - Pollution Control Division	June 2014 March 2016	Variable Variable
<b>Local Authority Pollution Prevention and Controls</b> Vale Of Glamorgan County Borough Council - Environmental Health Department Cardiff Council - Pollution Control Division	June 2014 March 2016	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Vale Of Glamorgan County Borough Council - Environmental Health Department Cardiff Council - Pollution Control Division	June 2014 March 2016	Variable Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	September 2017	
<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	As notified As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	As notified As notified
<b>Registered Radioactive Substances</b> Natural Resources Wales Environment Agency - Welsh Region	January 2015 January 2015	As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>Substantiated Pollution Incident Register</b> Environment Agency Wales - South East Area Natural Resources Wales	October 2017 October 2017	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2017	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2017	Quarterly Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified



Agency & Hydrological	Version	Update Cycle
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Natural Resources Wales	November 2016	As notified
<b>Extreme Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	November 2017	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Natural Resources Wales	November 2017	Quarterly
<b>Areas Benefiting from Flood Defences</b> Natural Resources Wales	November 2017	Quarterly
<b>Flood Water Storage Areas</b> Natural Resources Wales	November 2017	Quarterly
<b>Flood Defences</b> Natural Resources Wales	November 2017	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	October 2017	Quarterly
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	As notified
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 2017 October 2017	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency Wales - South East Area Natural Resources Wales	October 2017 October 2017	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Cardiff Council Vale Of Glamorgan County Borough Council	May 2000 May 2000	Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Cardiff Council Vale Of Glamorgan County Borough Council	May 2000 May 2000	Not Applicable 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



Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	September 2017	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Variable
<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 Cardiff Council - Regulatory Services	January 2016 October 2015	Variable Variable
<b>Planning Hazardous Substance Consents</b> Vale Of Glamorgan County Borough Council - Planning Department Cardiff Council - Regulatory Services	January 2016 October 2015	Variable Variable
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2017	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	As notified
<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	June 2015	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified



Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	November 2017	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	November 2017	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Underground Electrical Cables</b> National Grid	December 2015	Bi-Annually
Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural Resources Wales	October 2017	Bi-Annually
<b>Areas of Adopted Green Belt</b> Cardiff Council	November 2017	As notified
<b>Areas of Unadopted Green Belt</b> Cardiff Council	November 2017	As notified
<b>Areas of Outstanding Natural Beauty</b> Natural Resources Wales	August 2017	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> Cardiff Council Vale Of Glamorgan County Borough Council	August 2017 August 2017	Bi-Annually Bi-Annually
<b>Marine Nature Reserves</b> Natural Resources Wales	August 2017	Bi-Annually
<b>National Nature Reserves</b> Natural Resources Wales	August 2017	Bi-Annually
<b>National Parks</b> Natural Resources Wales	August 2017	Annually
<b>Nitrate Vulnerable Zones</b> Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2017 October 2005	Bi-Annually
<b>Ramsar Sites</b> Natural Resources Wales	August 2017	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural Resources Wales	August 2017	Bi-Annually
<b>Special Areas of Conservation</b> Natural Resources Wales	August 2017	Bi-Annually
<b>Special Protection Areas</b> Natural Resources Wales	August 2017	Bi-Annually

A selection of organisations who provide data within this report

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



## Useful Contacts

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham 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>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
4	<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
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
-	<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.

# Historical Mapping Legends

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

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

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

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

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

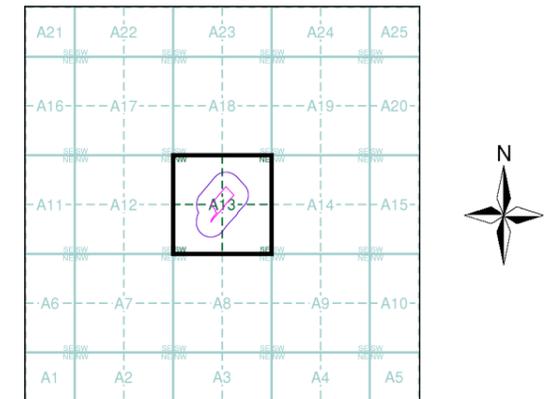
**Cliff** **Slopes** **Top**  
**Rock** **Rock (scattered)**  
**Boulders** **Boulders (scattered)**  
**Positioned Boulder** **Scree**  
**Non-Coniferous Tree (surveyed)** **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)** **Coniferous Trees (not surveyed)**  
**Orchard Tree**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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1878	2
Glamorganshire	1:2,500	1900	3
Glamorganshire	1:2,500	1920	4
Glamorganshire	1:2,500	1943	5
Ordnance Survey Plan	1:1,250	1955 - 1956	6
Ordnance Survey Plan	1:2,500	1955 - 1956	7
Additional SIMs	1:2,500	1955	8
Ordnance Survey Plan	1:1,250	1963 - 1973	9
Ordnance Survey Plan	1:1,250	1973 - 1989	10
Additional SIMs	1:1,250	1986 - 1990	11
Additional SIMs	1:1,250	1990	12
Additional SIMs	1:1,250	1991	13
Large-Scale National Grid Data	1:1,250	1993	14
Large-Scale National Grid Data	1:1,250	1996	15

## Historical Map - Segment A13



## Order Details

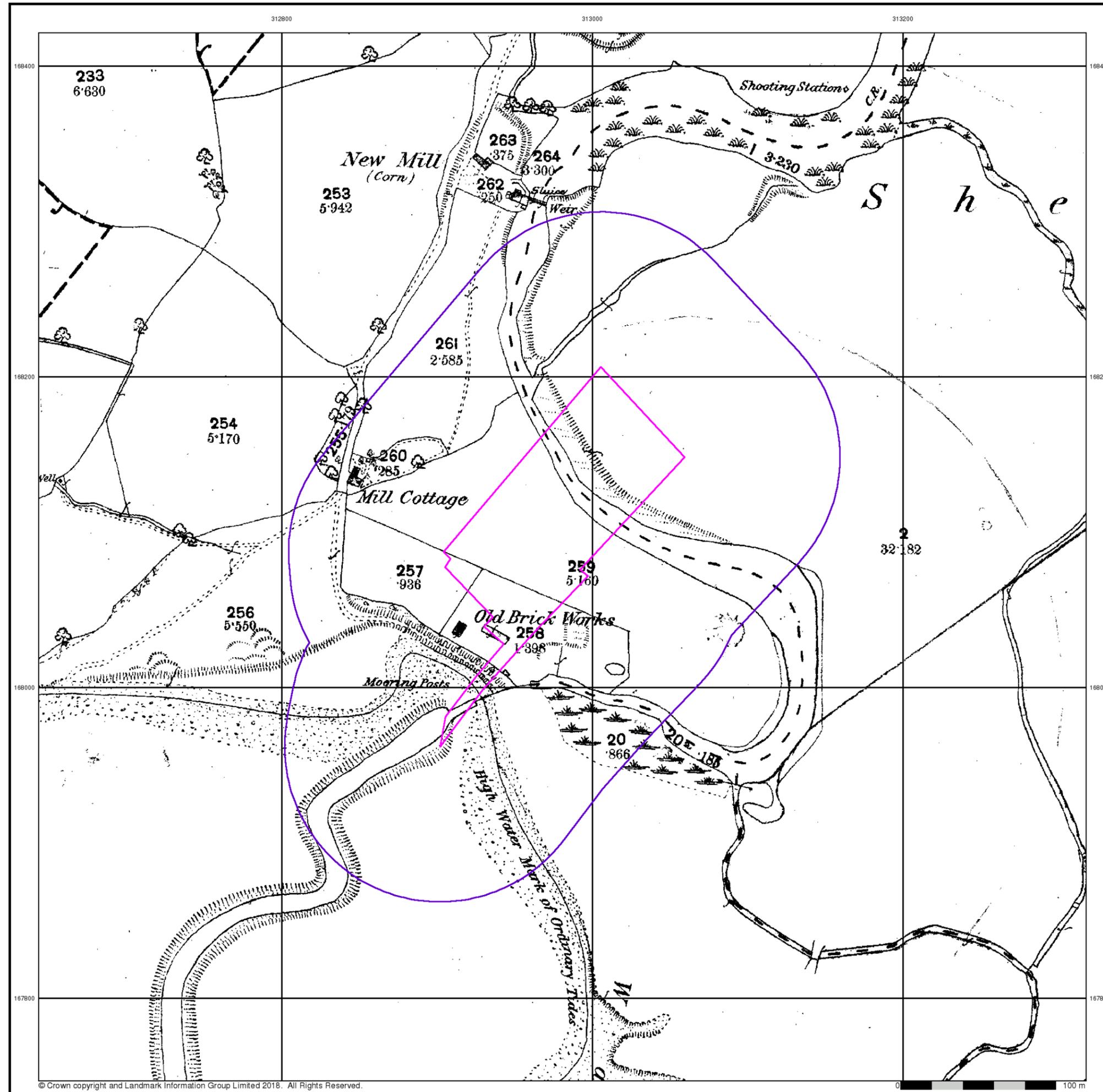
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 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 100

## Site Details

Site at, Barry Dock, The Vale of Glamorgan



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



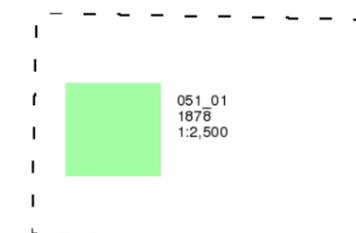
## Glamorganshire

Published 1878

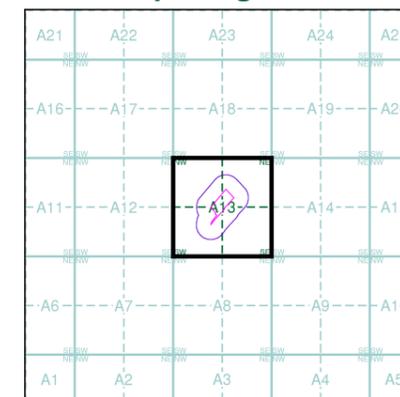
Source map scale - 1:2,500

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: 154476684\_1\_1  
 Customer Ref: A105832  
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 Slice: A  
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### Site Details

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 Web: www.envirocheck.co.uk



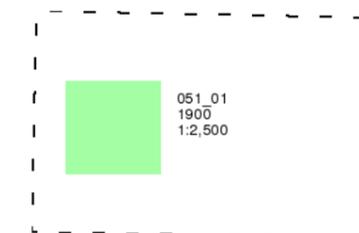
Glamorganshire

Published 1900

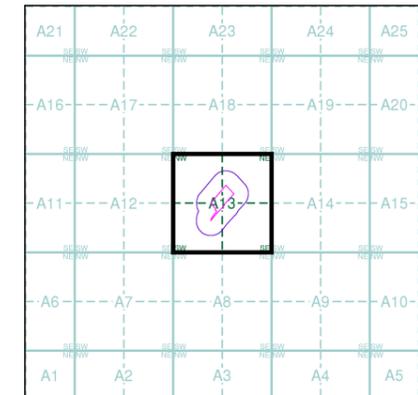
Source map scale - 1:2,500

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

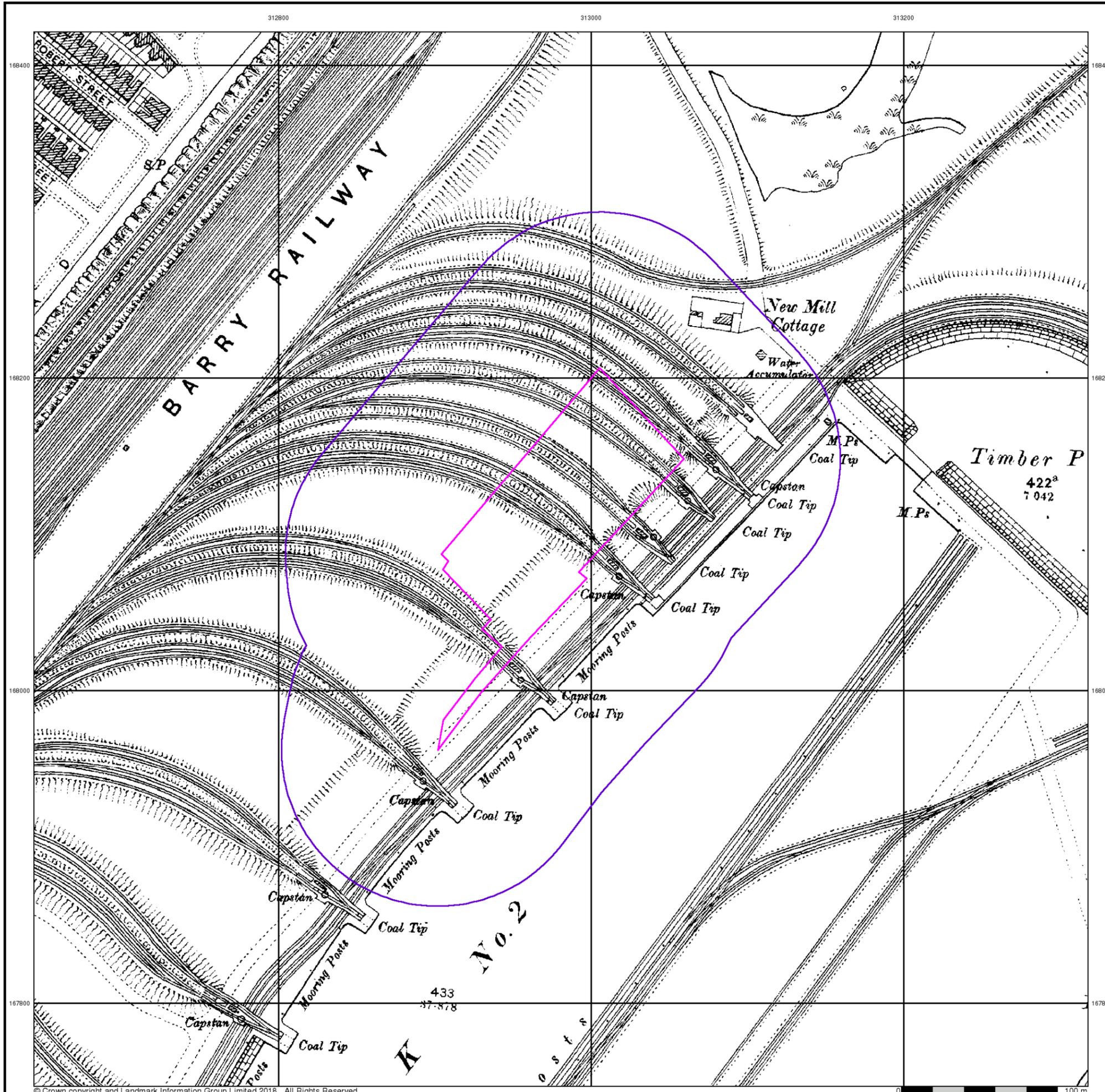
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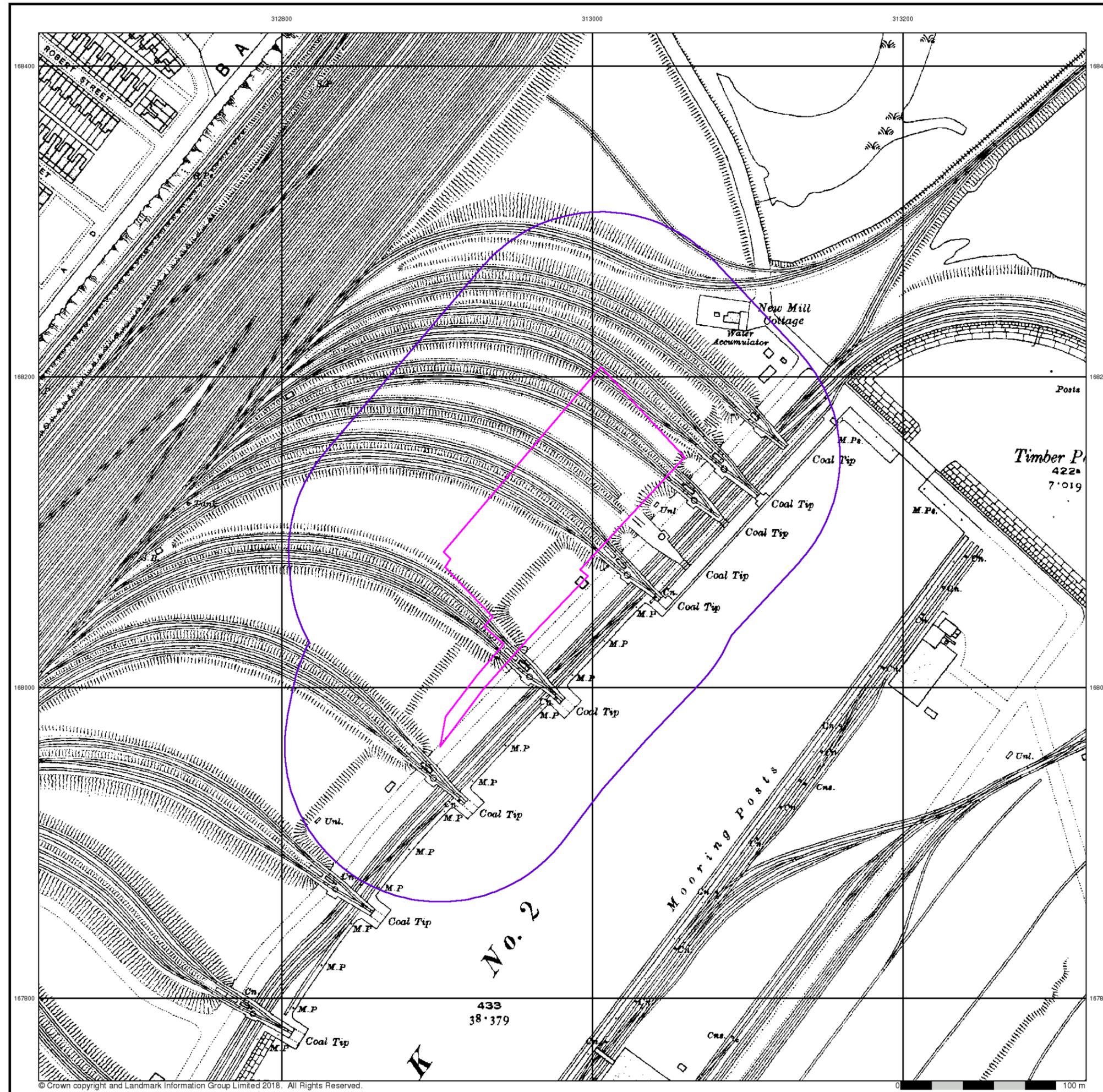
Site at, Barry Dock, The Vale of Glamorgan



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Web: www.envirocheck.co.uk



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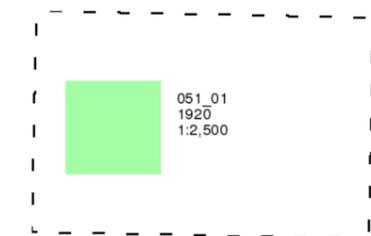
**Glamorganshire**

**Published 1920**

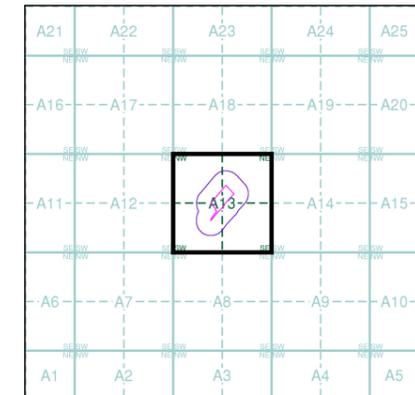
**Source map scale - 1:2,500**

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**

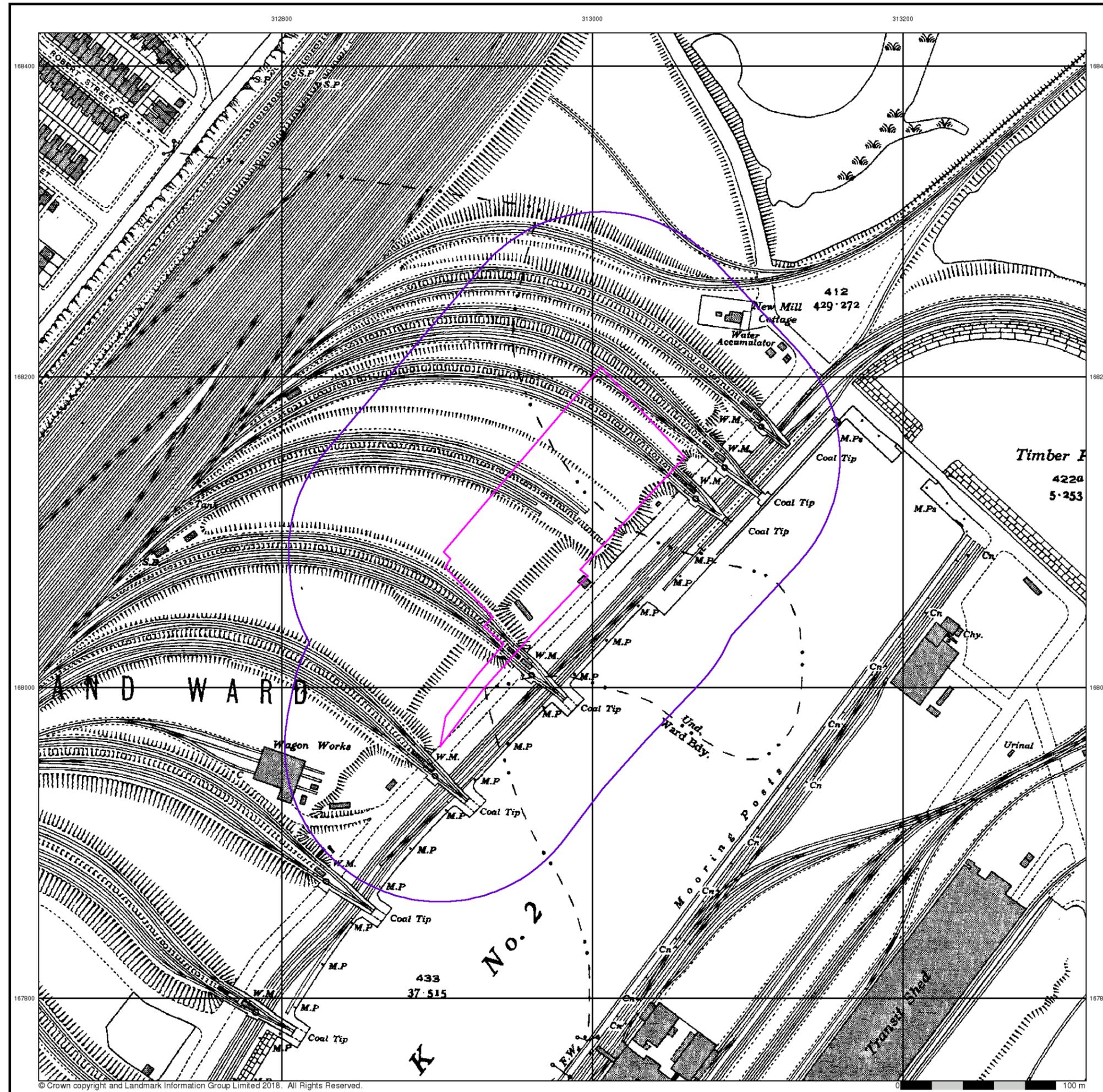
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 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 100

**Site Details**

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**Landmark**  
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 Web: www.envirocheck.co.uk



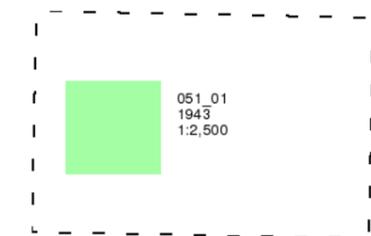
**Glamorganshire**

**Published 1943**

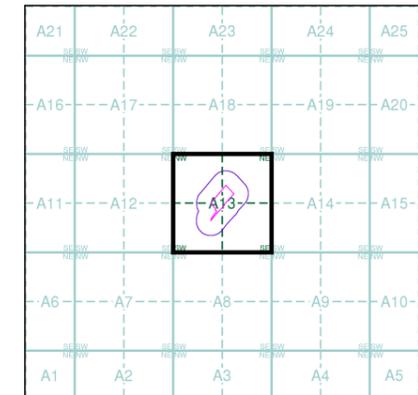
**Source map scale - 1:2,500**

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: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 100

**Site Details**

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**Landmark**  
 INFORMATION GROUP

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### Ordnance Survey Plan

Published 1955 - 1956

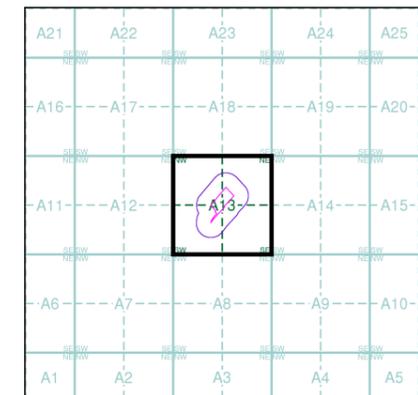
Source map scale - 1:1,250

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)

ST1268SE 1955 1:1,250	ST1368SW 1955 1:1,250
ST1267NE 1956 1:1,250	ST1367NW 1956 1:1,250

### Historical Map - Segment A13



### Order Details

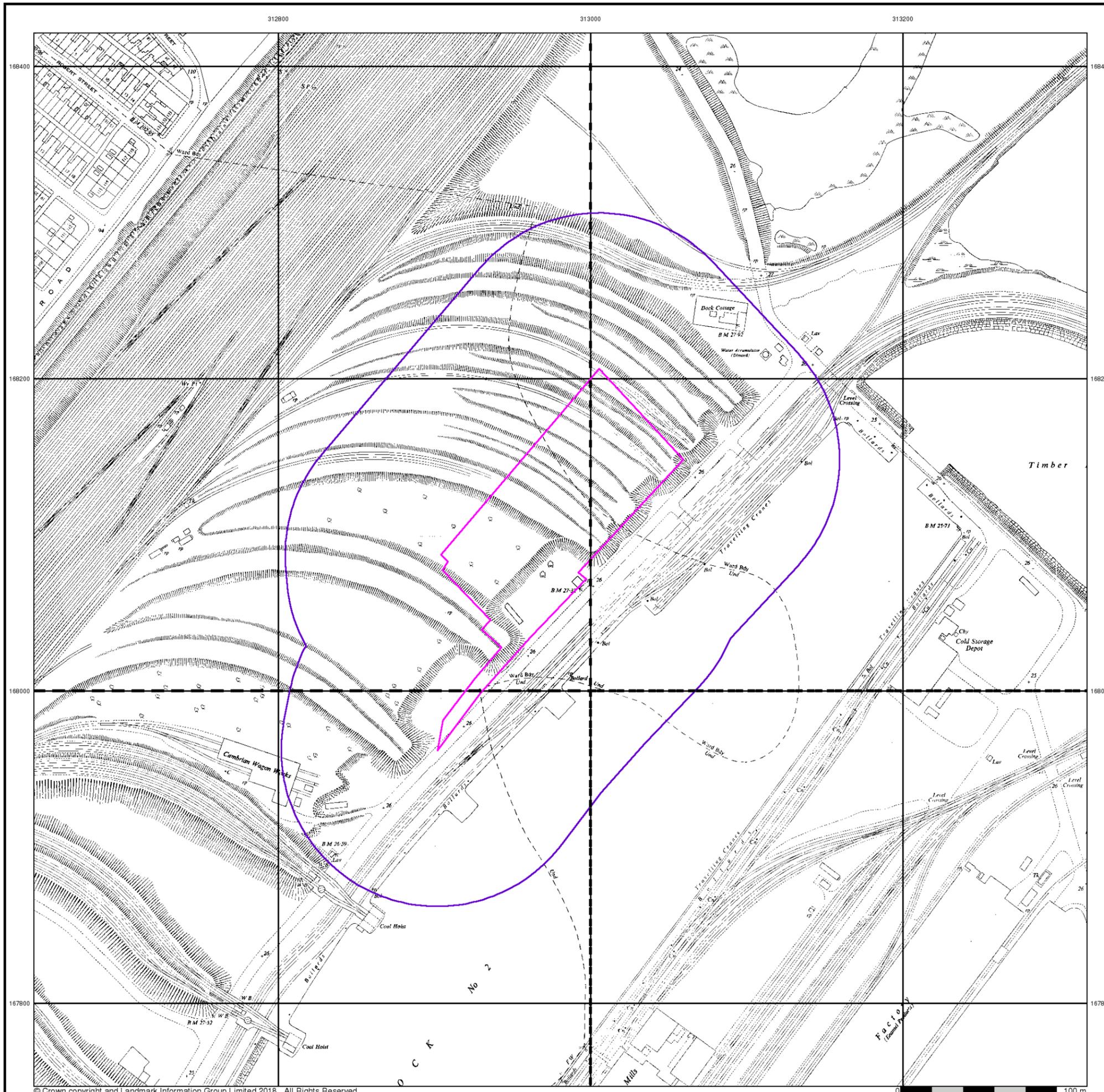
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 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 100

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### Ordnance Survey Plan

Published 1955 - 1956

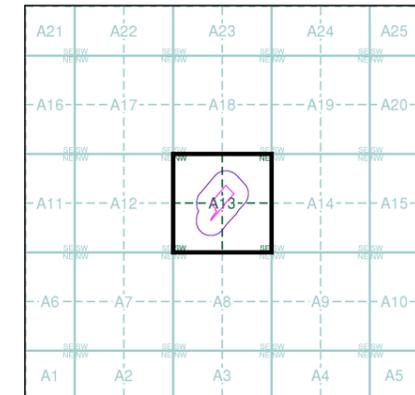
Source map scale - 1:2,500

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

ST1268 1955 12,500	ST1368 1956 12,500
ST1267 1956 12,500	ST1367 1956 12,500

### Historical Map - Segment A13



### Order Details

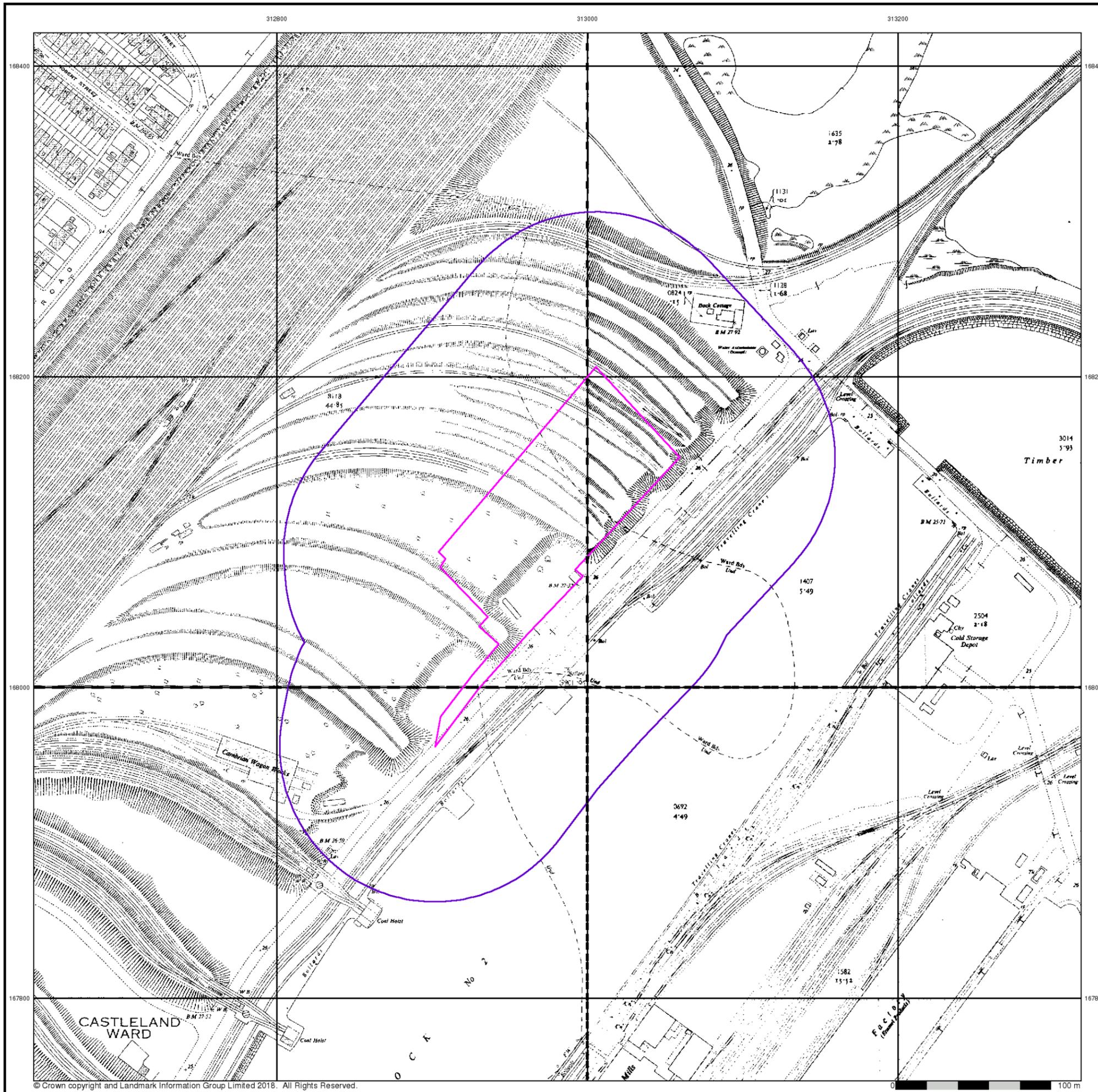
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 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 100

### Site Details

Site at, Barry Dock, The Vale of Glamorgan



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 Fax: 0844 844 9951  
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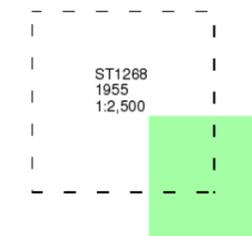
### Additional SIMs

Published 1955

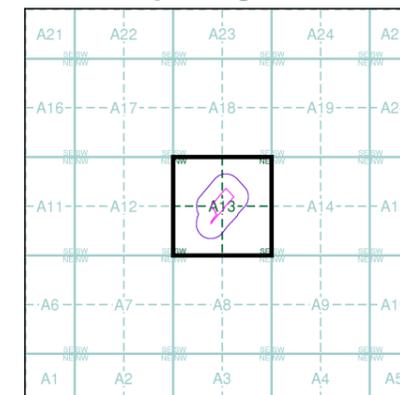
Source map scale - 1:2,500

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

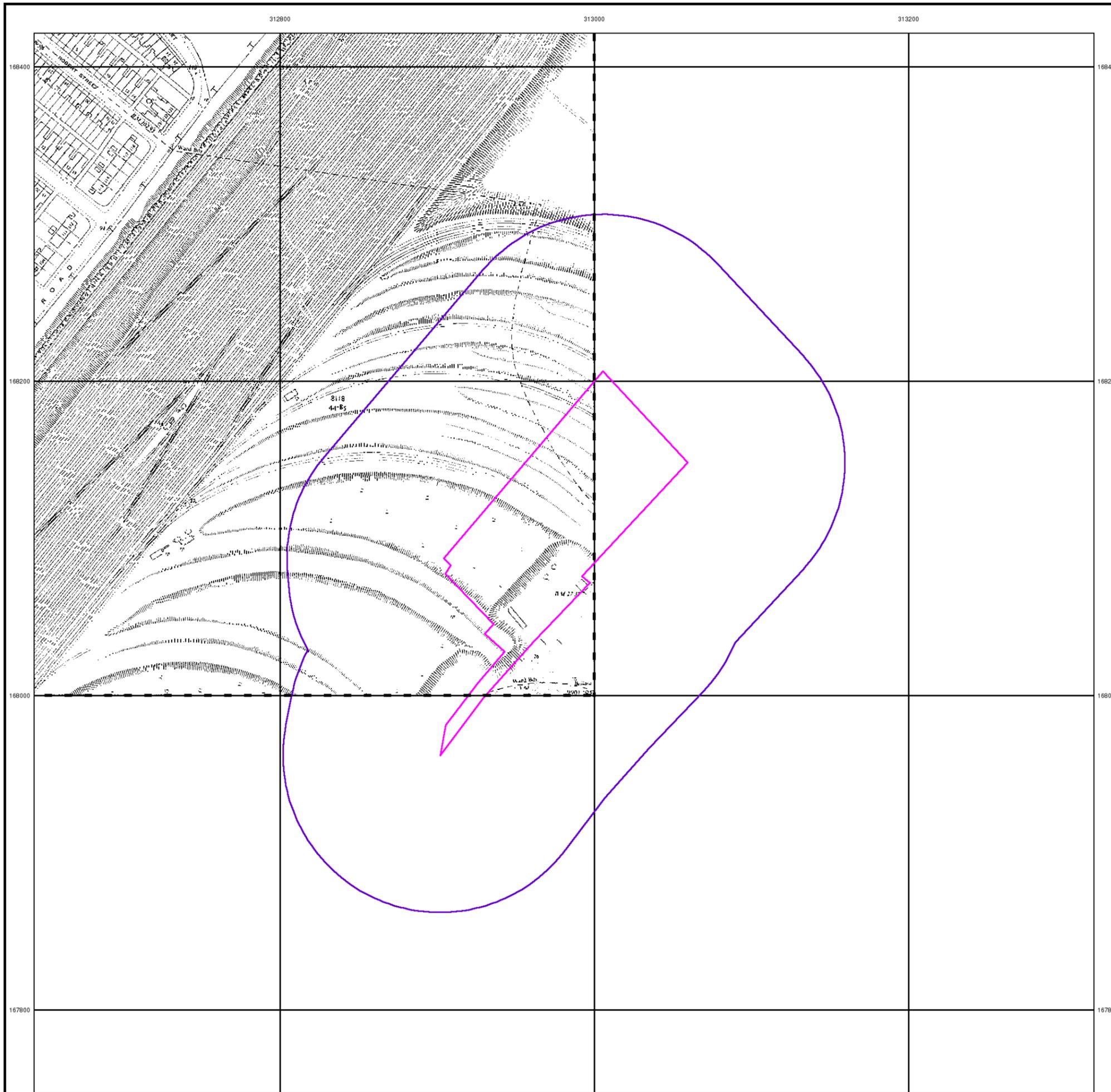
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Customer Ref: A105832  
National Grid Reference: 312970, 168080  
Slice: A  
Site Area (Ha): 1.33  
Search Buffer (m): 100

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### Ordnance Survey Plan

Published 1963 - 1973

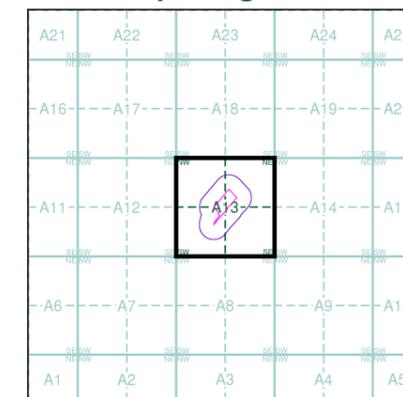
Source map scale - 1:1,250

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)

ST1268SE 1972 1:1,250	ST1368SW 1973 1:1,250
ST1267NE 1971 1:1,250	ST1367NW 1963 1:1,250

### Historical Map - Segment A13



### Order Details

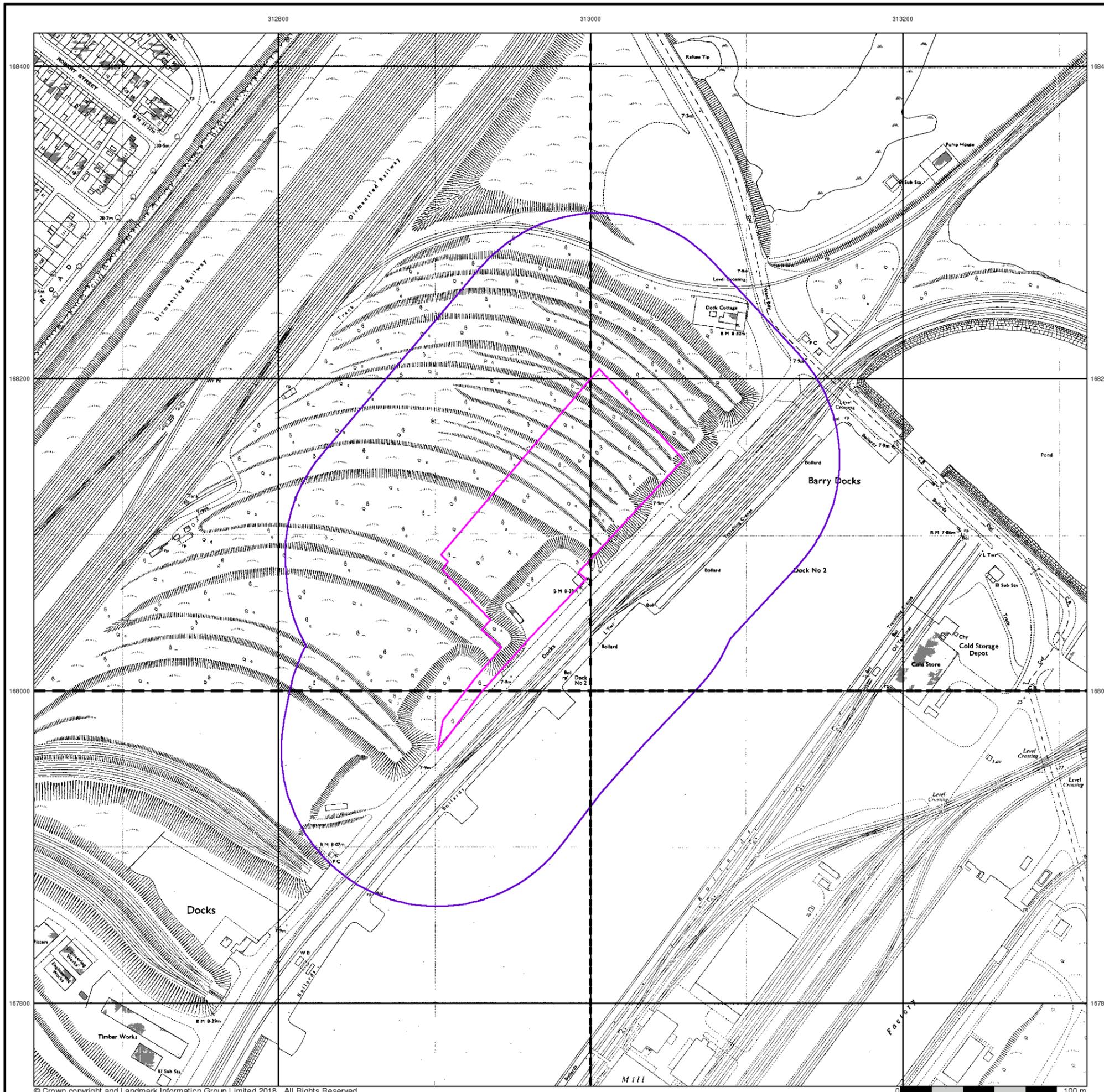
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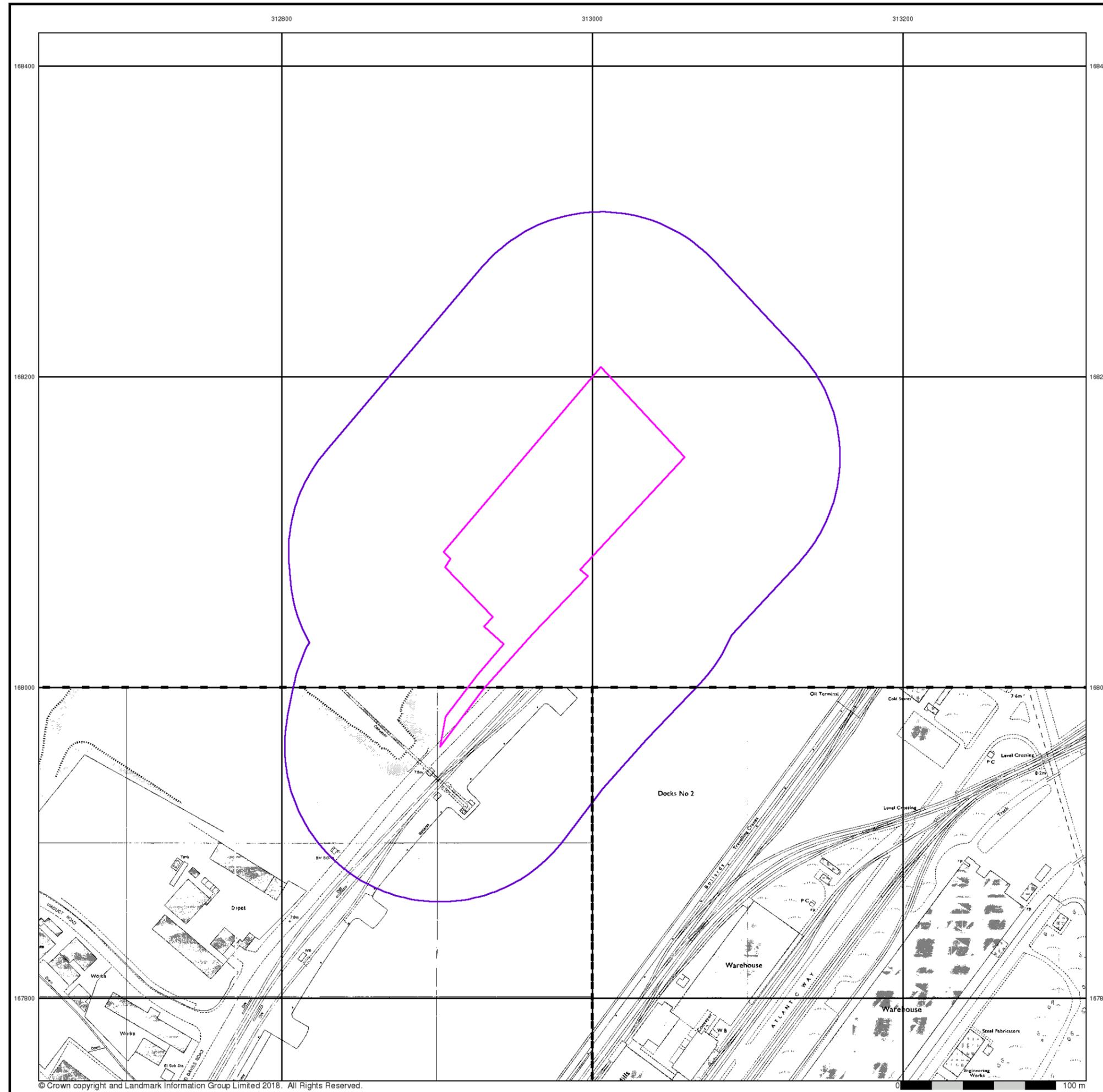
### Site Details

Site at, Barry Dock, The Vale of Glamorgan



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





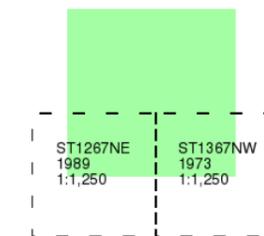
## Ordnance Survey Plan

Published 1973 - 1989

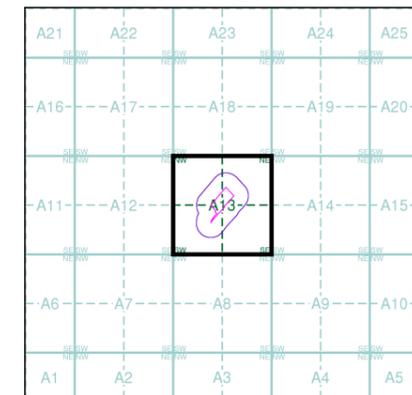
Source map scale - 1:1,250

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

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



### Historical Map - Segment A13



### Order Details

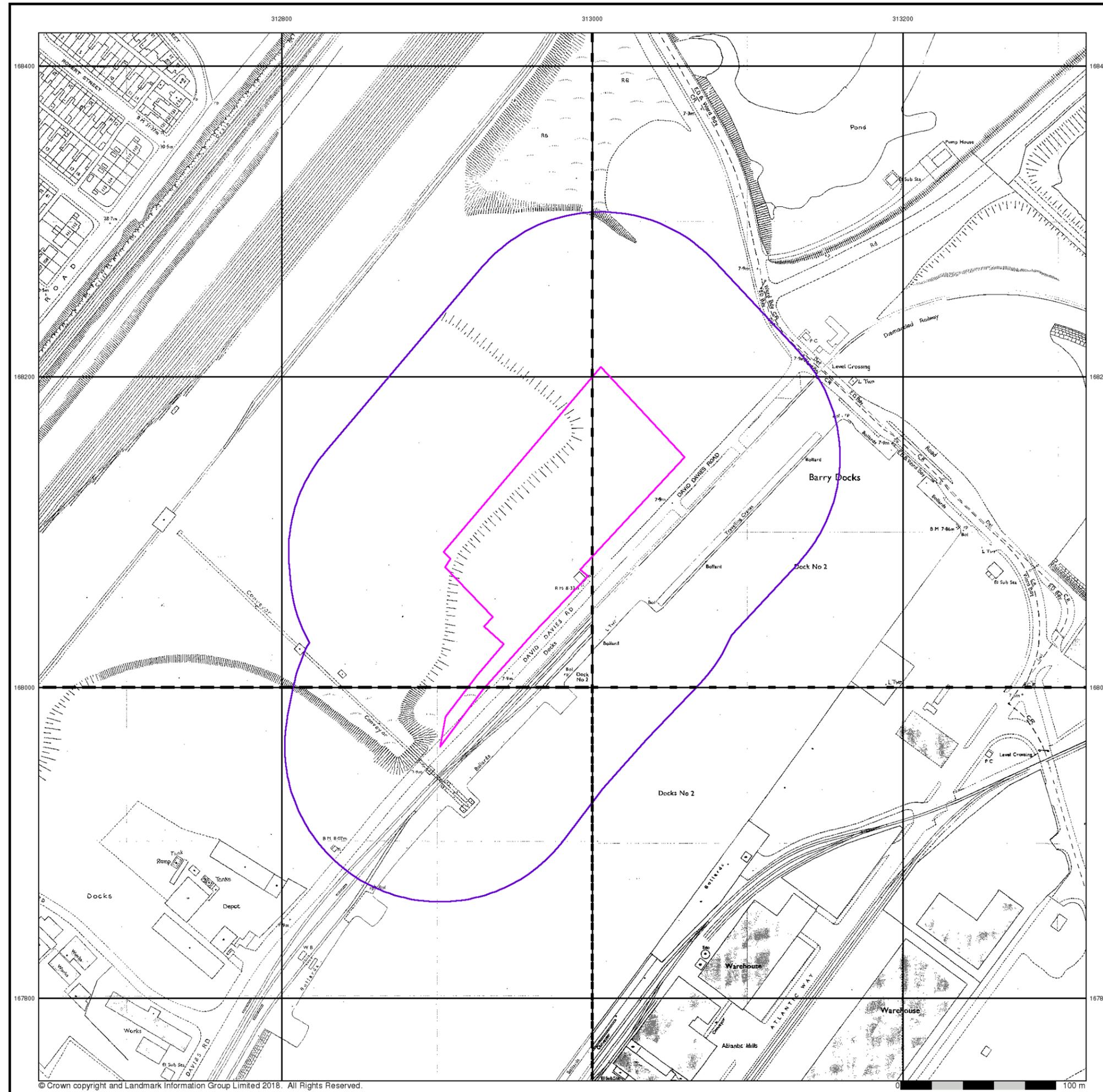
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 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 100

### Site Details

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**Additional SIMs**

**Published 1986 - 1990**

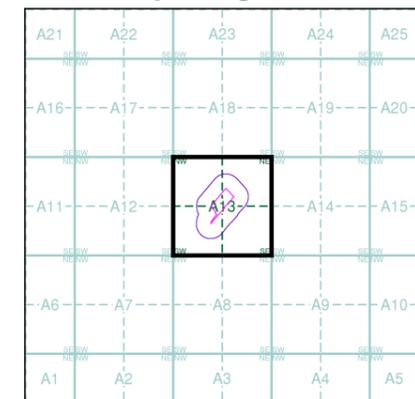
**Source map scale - 1:1,250**

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)**

ST1268SE 1990 1:1,250	ST1368SW 1987 1:1,250
ST1267NE 1986 1:1,250	ST1367NW 1989 1:1,250

**Historical Map - Segment A13**



**Order Details**

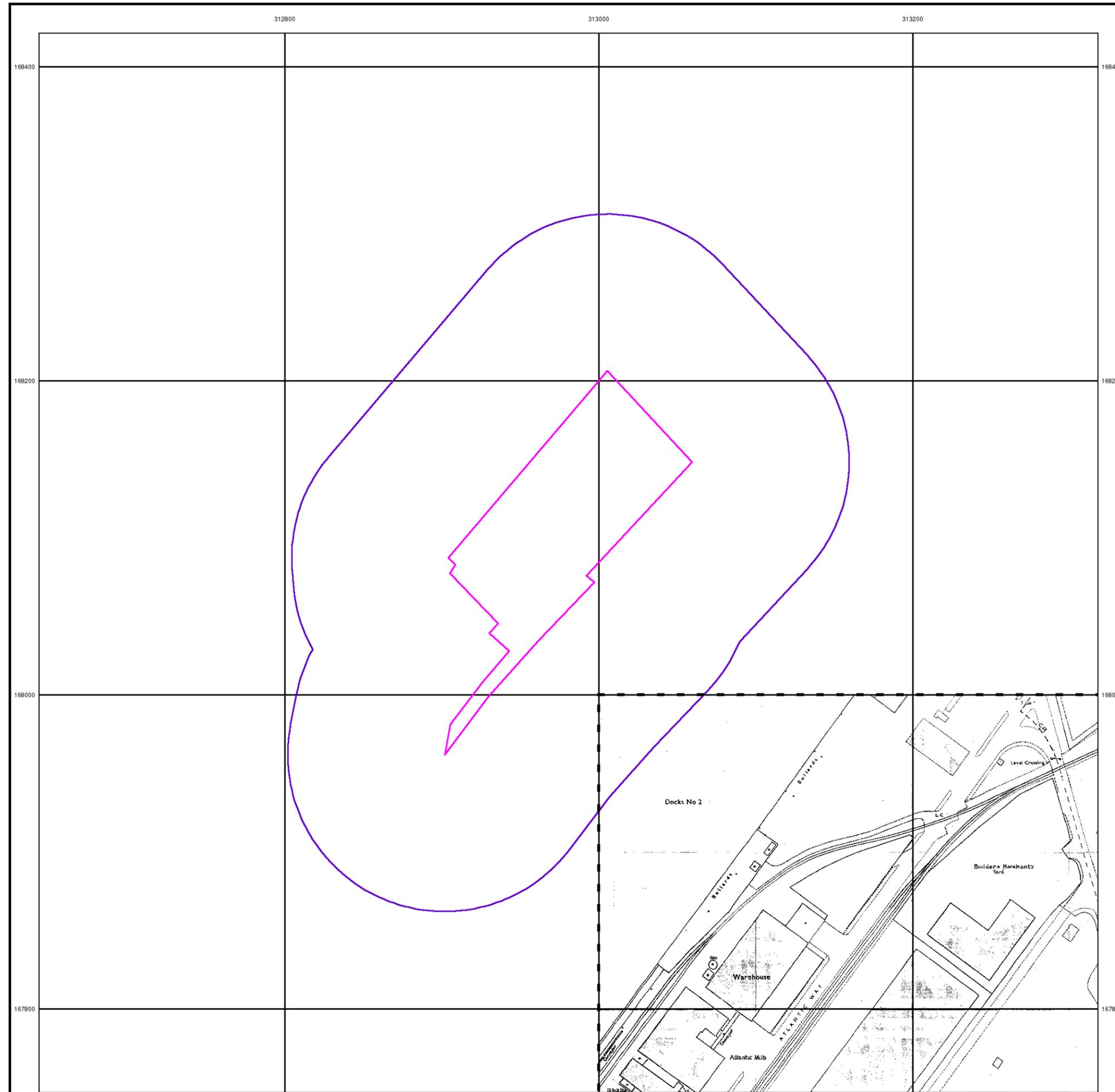
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 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 100

**Site Details**

Site at, Barry Dock, The Vale of Glamorgan



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 Fax: 0844 844 9951  
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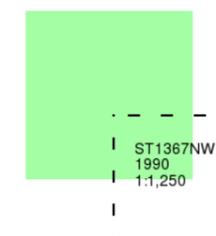
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**Published 1990**

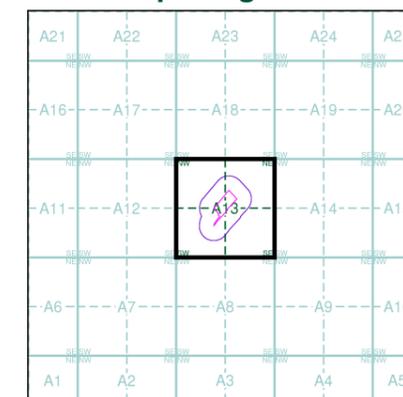
**Source map scale - 1:1,250**

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**

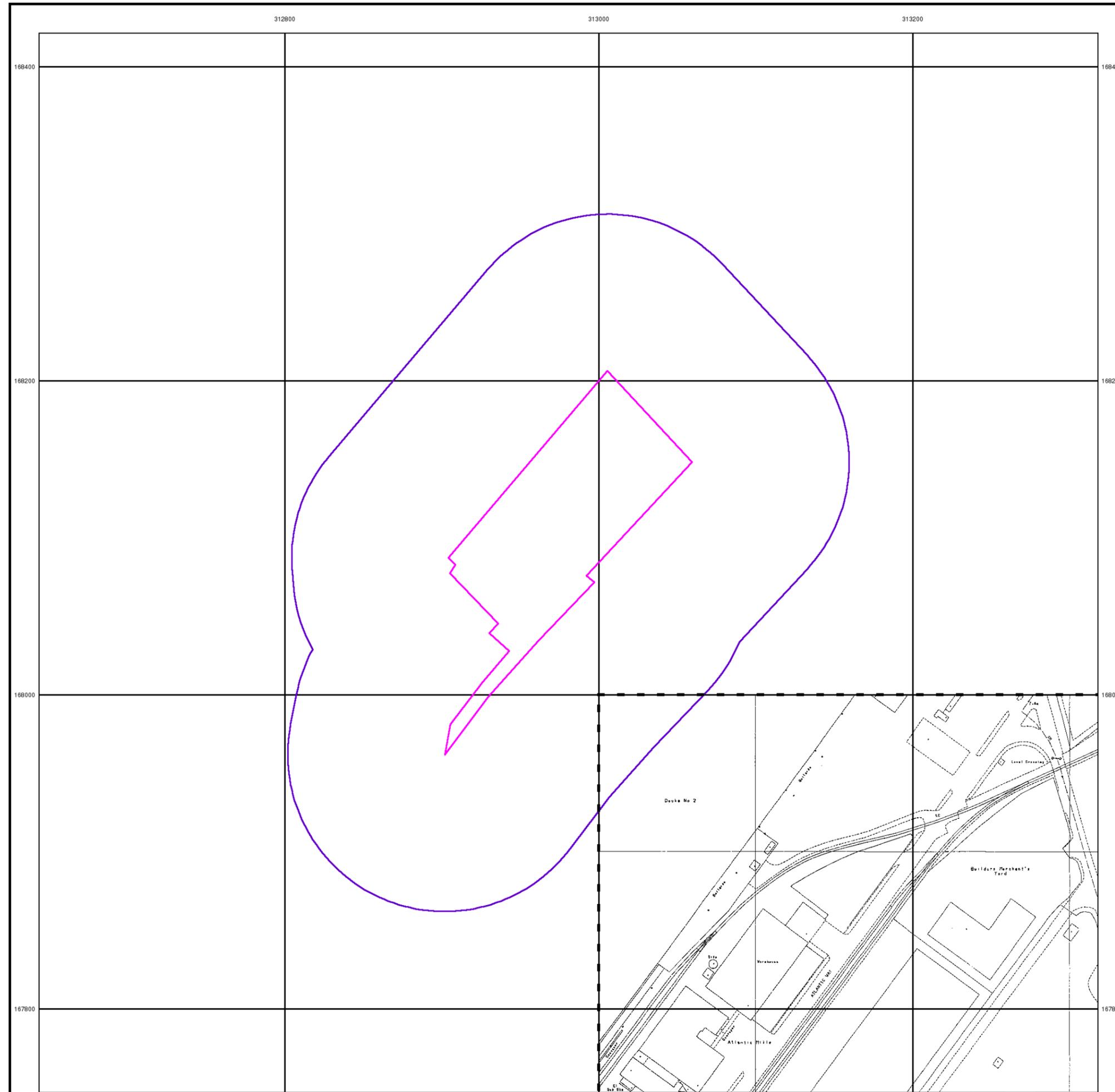
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 Slice: A  
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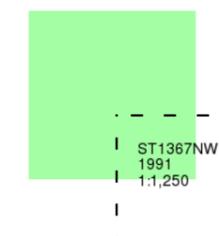
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**Published 1991**

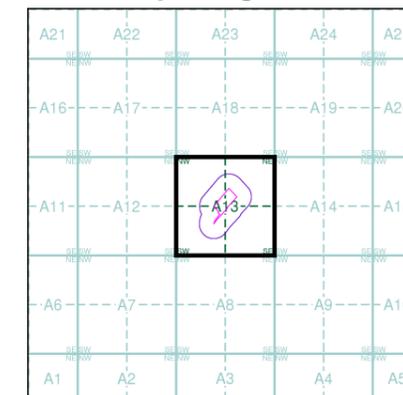
**Source map scale - 1:1,250**

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

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



**Historical Map - Segment A13**



**Order Details**

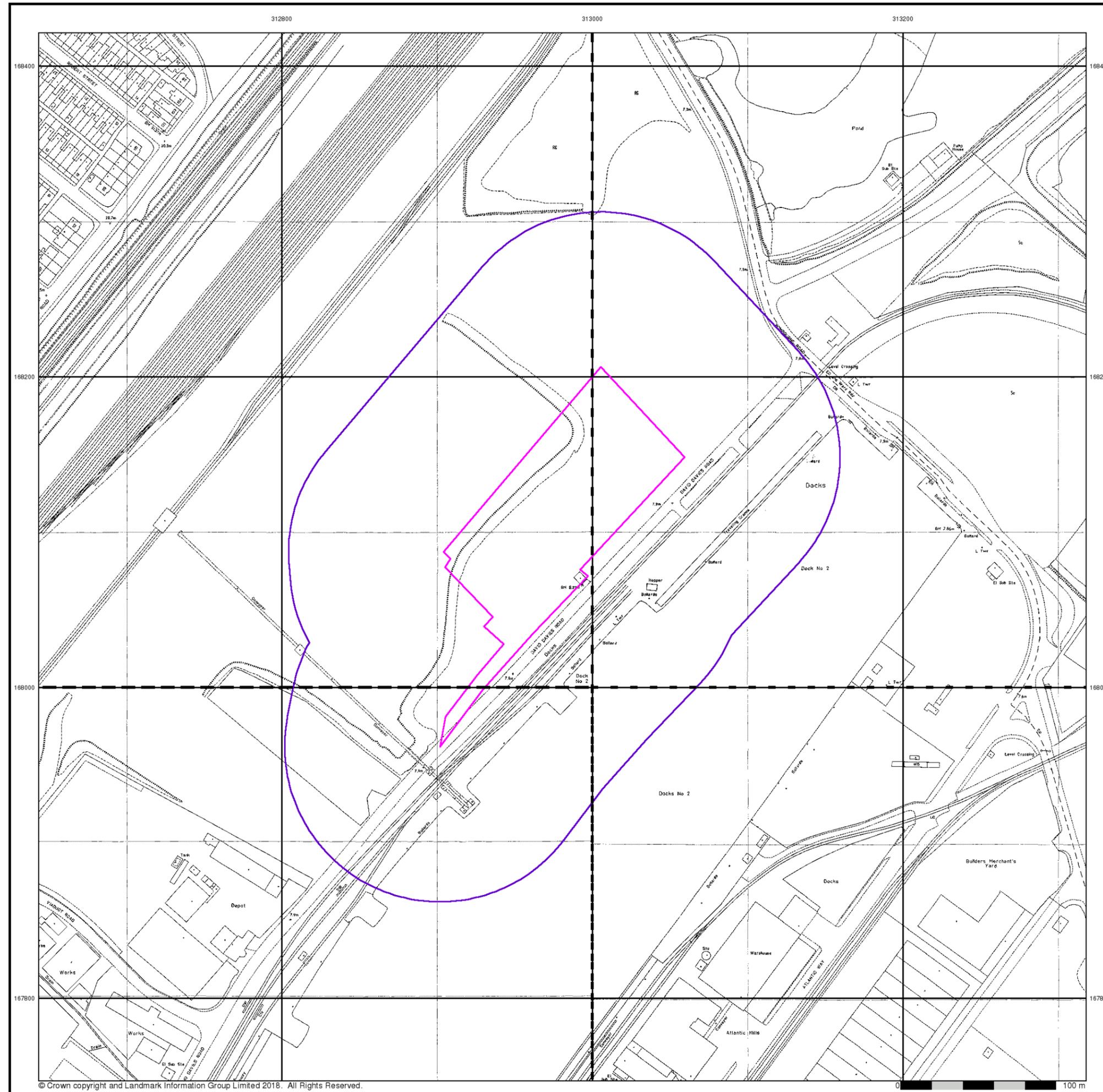
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## Large-Scale National Grid Data

Published 1993

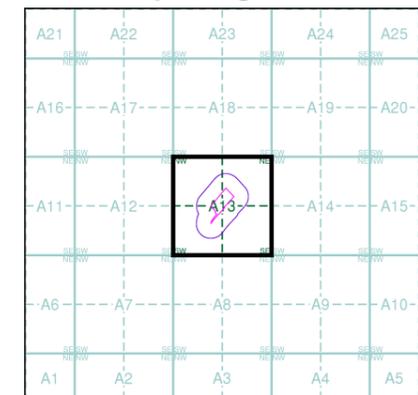
Source map scale - 1:1,250

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

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

ST1268SE 1993 1:1,250	ST1368SW 1993 1:1,250
ST1267NE 1993 1:1,250	ST1367NW 1993 1:1,250

### Historical Map - Segment A13



### Order Details

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 100

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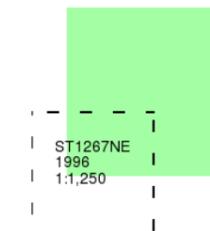
## Large-Scale National Grid Data

Published 1996

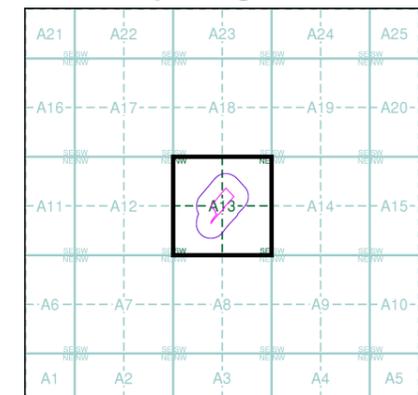
Source map scale - 1:1,250

'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

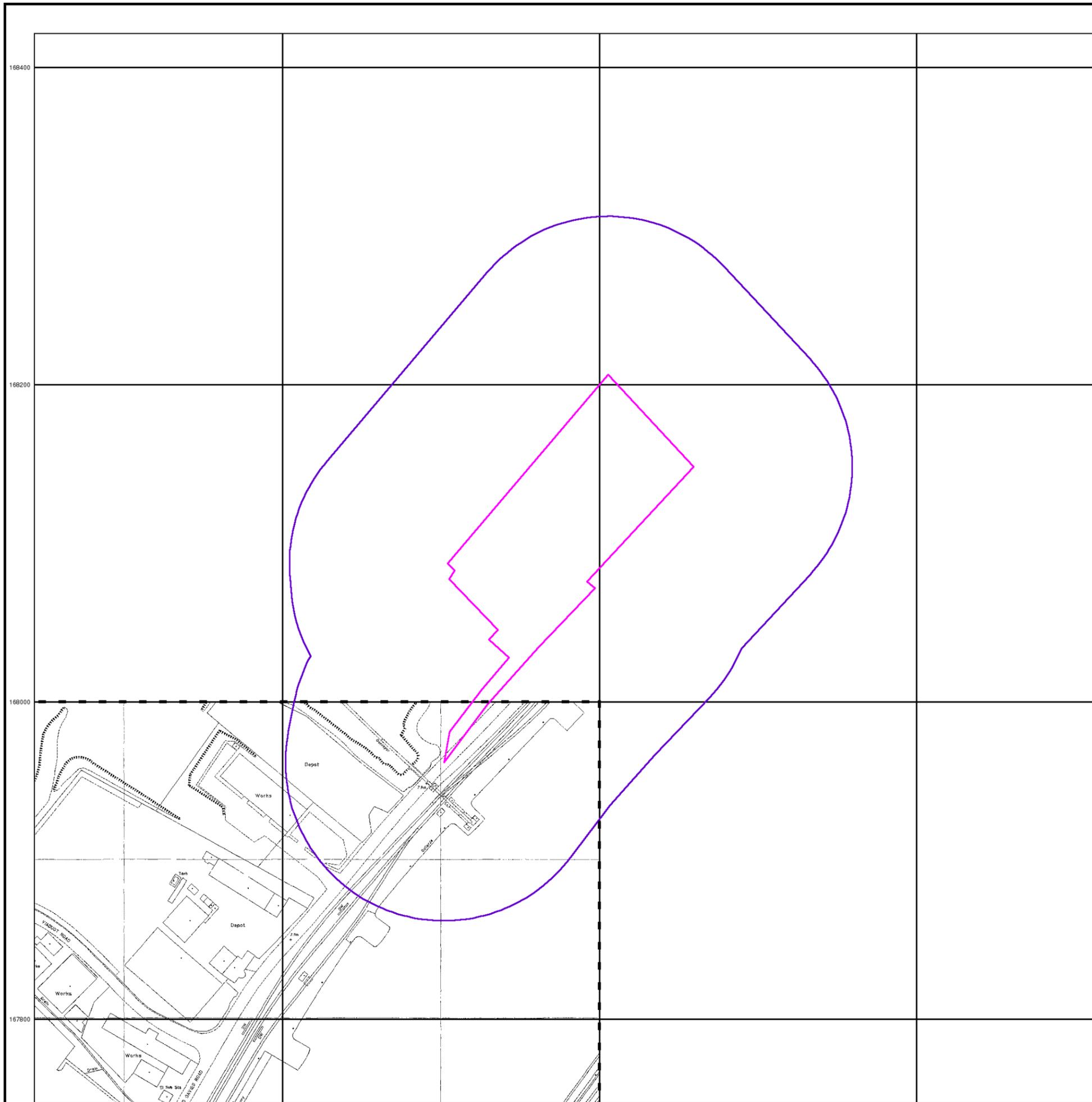
Order Number: 154476684\_1\_1  
Customer Ref: A105832  
National Grid Reference: 312970, 168080  
Slice: A  
Site Area (Ha): 1.33  
Search Buffer (m): 100

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**Landmark**  
INFORMATION GROUP

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# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

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

## 1:10,000 Raster Mapping

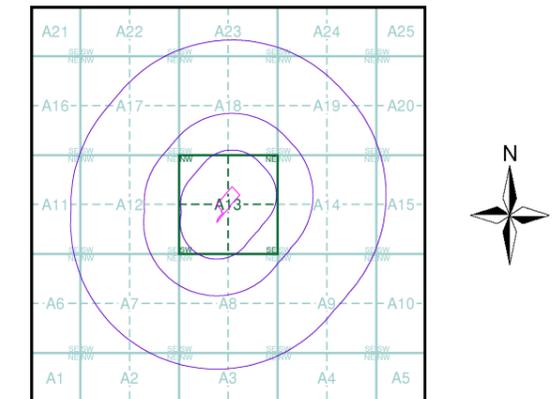
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Area of wooded vegetation
- Non-coniferous trees (scattered)
- Coniferous trees (scattered)
-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



## 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 - 1922	4
Glamorganshire	1:10,560	1922	5
Glamorganshire	1:10,560	1922	6
Glamorganshire	1:10,560	1936	7
Glamorganshire	1:10,560	1938 - 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
Street View	Variable		14

## Historical Map - Slice A



## Order Details

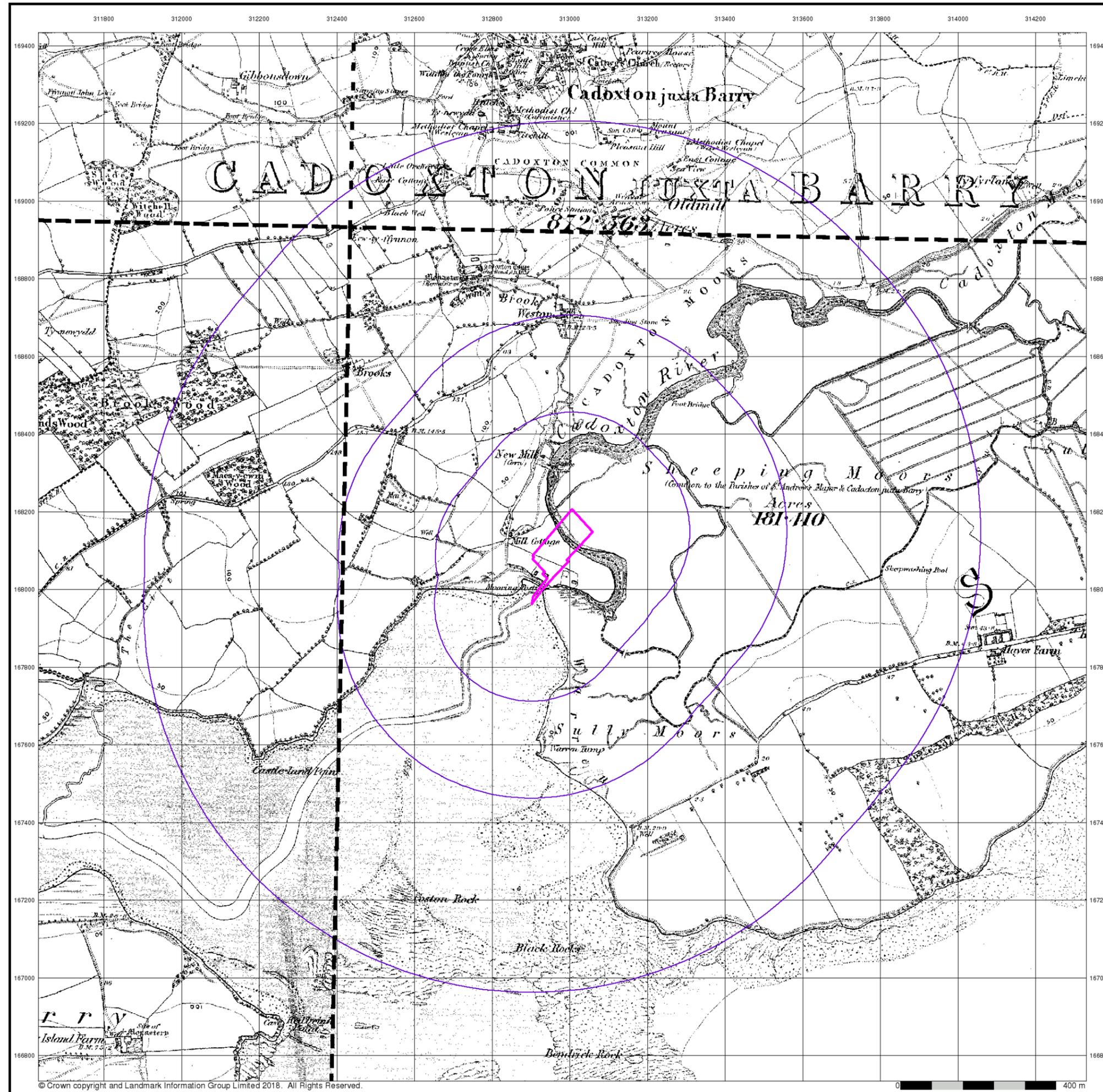
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

## Site Details

Site at, Barry Dock, The Vale of Glamorgan

**Landmark**  
 INFORMATION GROUP

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## Glamorganshire

Published 1885

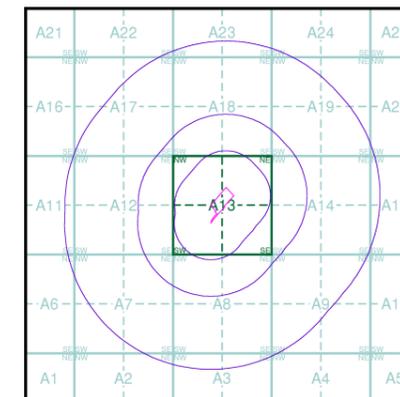
Source map scale - 1:10,560

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)

04600 1885 1:10,560	04700 1885 1:10,560
05000 1885 1:10,560	05100 1885 1:10,560

### Historical Map - Slice A



### Order Details

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
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Glamorganshire

Published 1901

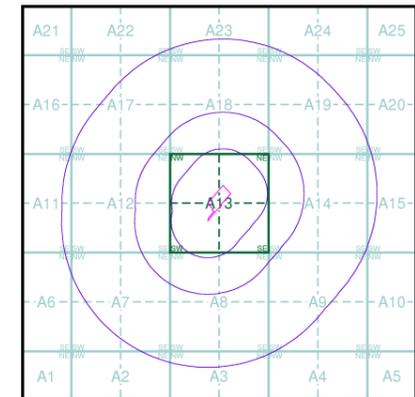
Source map scale - 1:10,560

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)

046SE 1901 1:10,560	047SW 1901 1:10,560
050NE 1901 1:10,560	051NW 1901 1:10,560

Historical Map - Slice A



Order Details

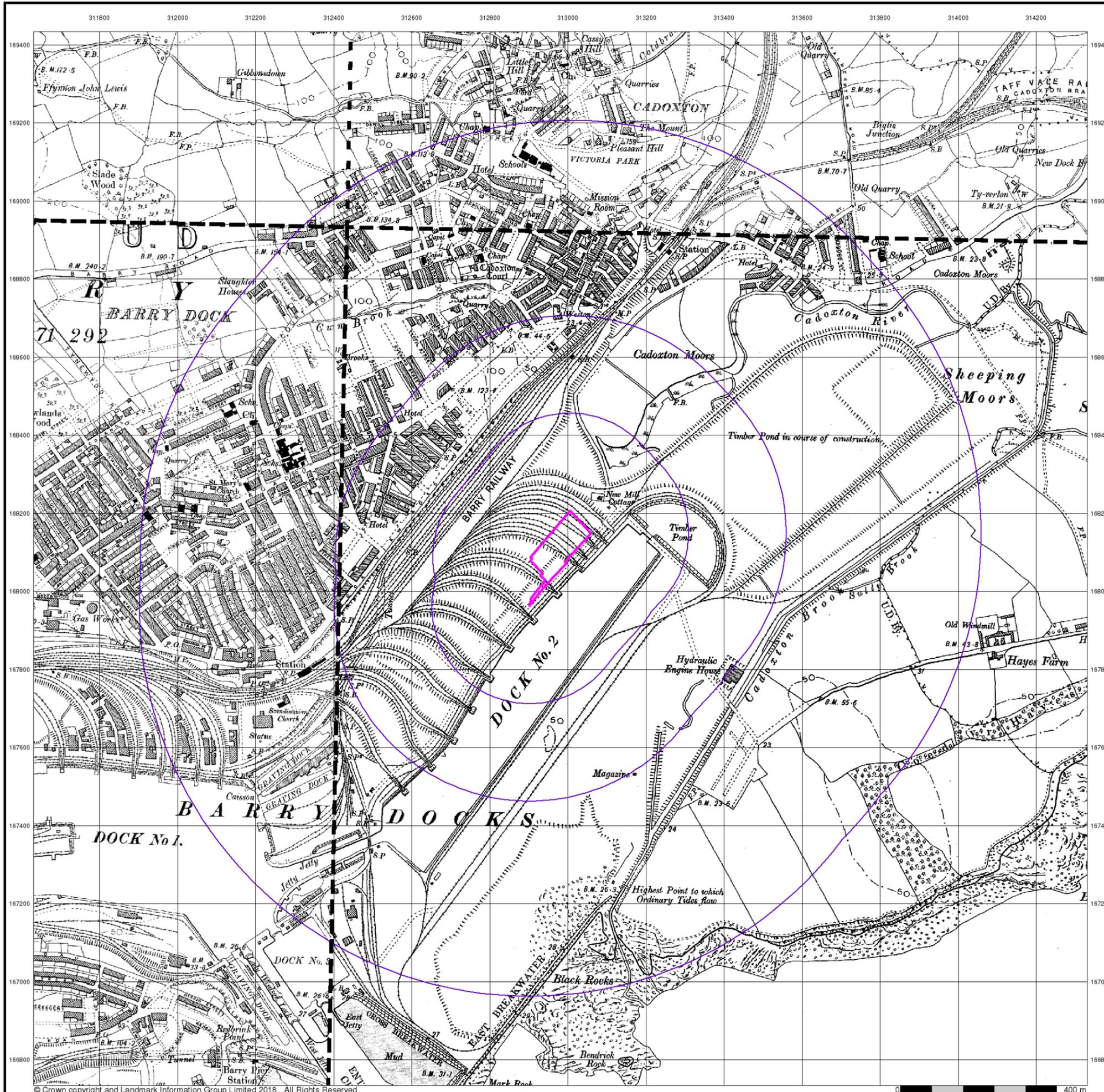
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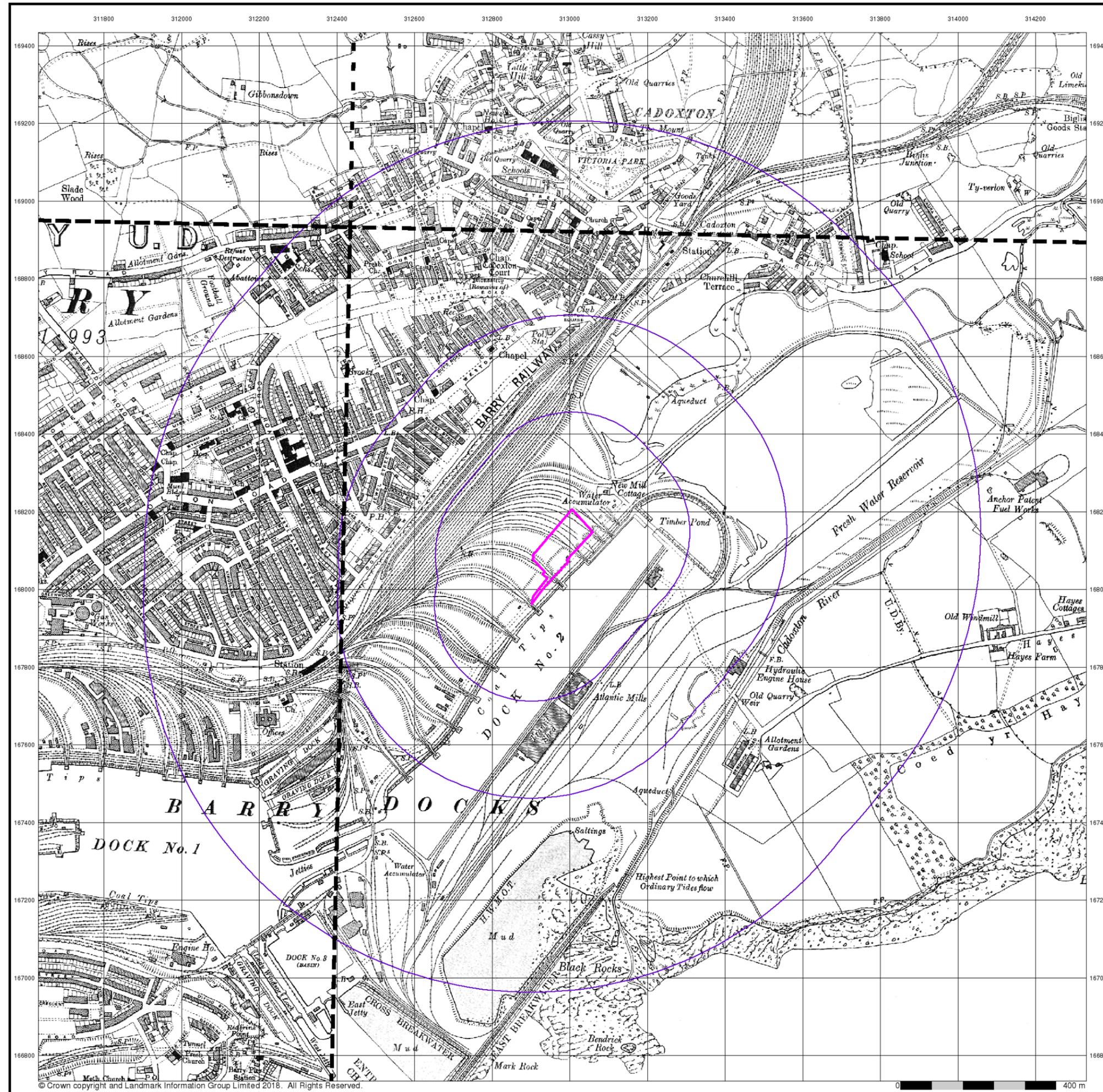
Site Details

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**Landmark**  
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## Glamorganshire

Published 1921 - 1922

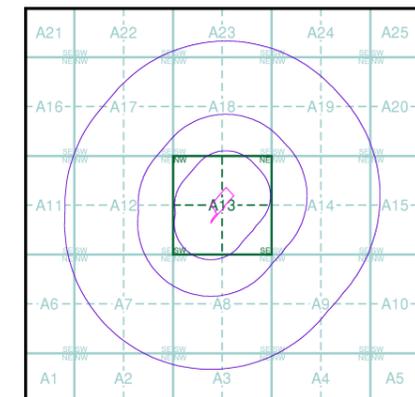
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

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

046SE 1921 1:10,560	047SW 1922 1:10,560
050NE 1921 1:10,560	051NW 1921 1:10,560

### Historical Map - Slice A



### Order Details

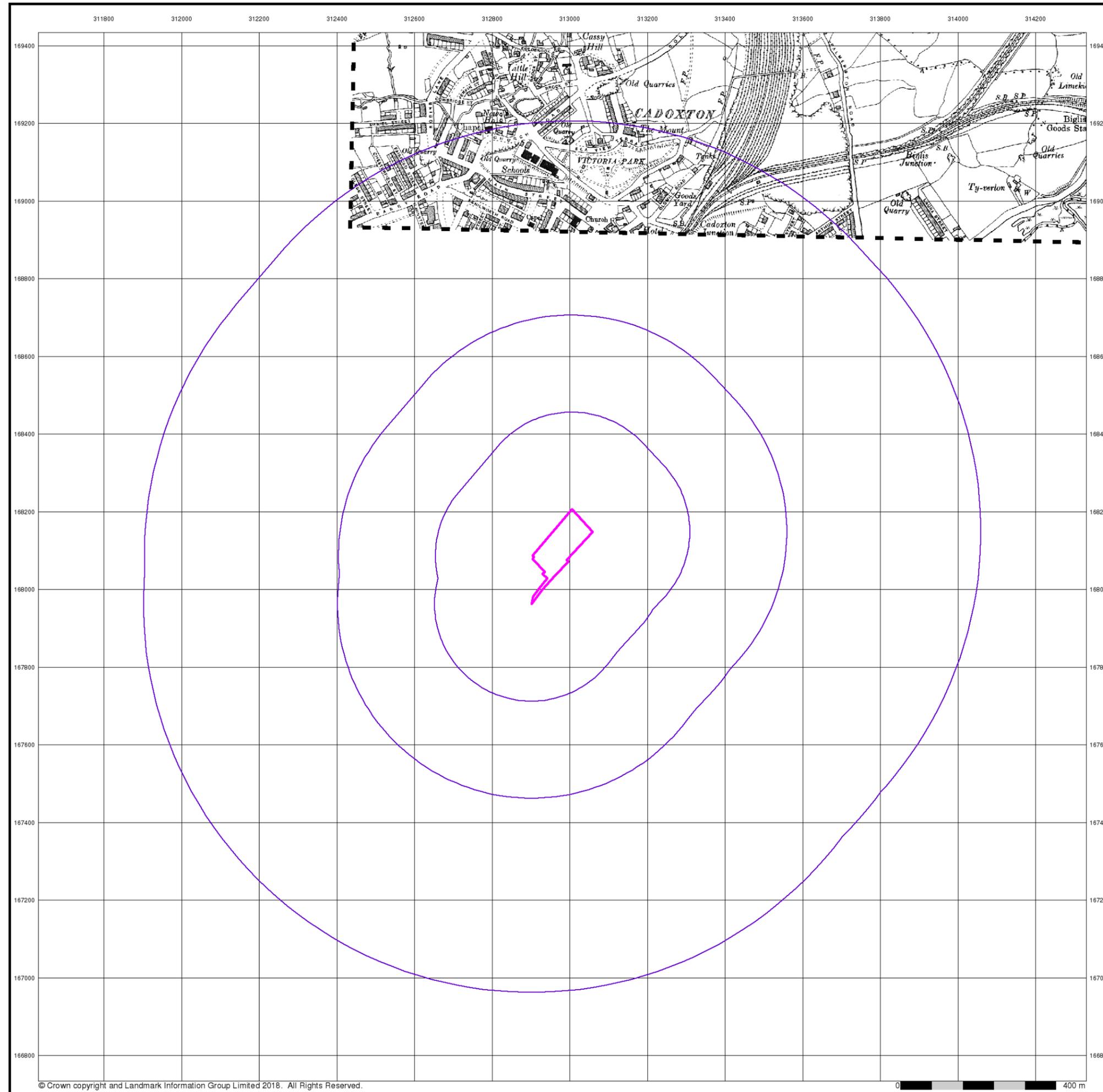
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 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

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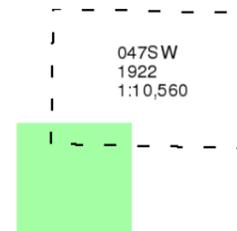
## Glamorganshire

Published 1922

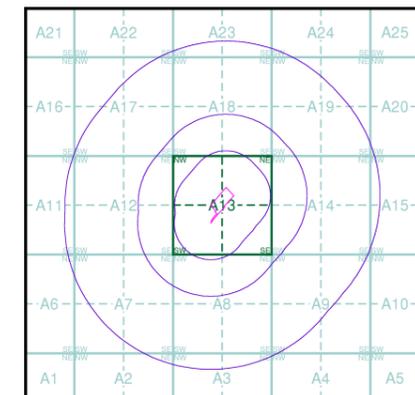
Source map scale - 1:10,560

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



### Historical Map - Slice A



### Order Details

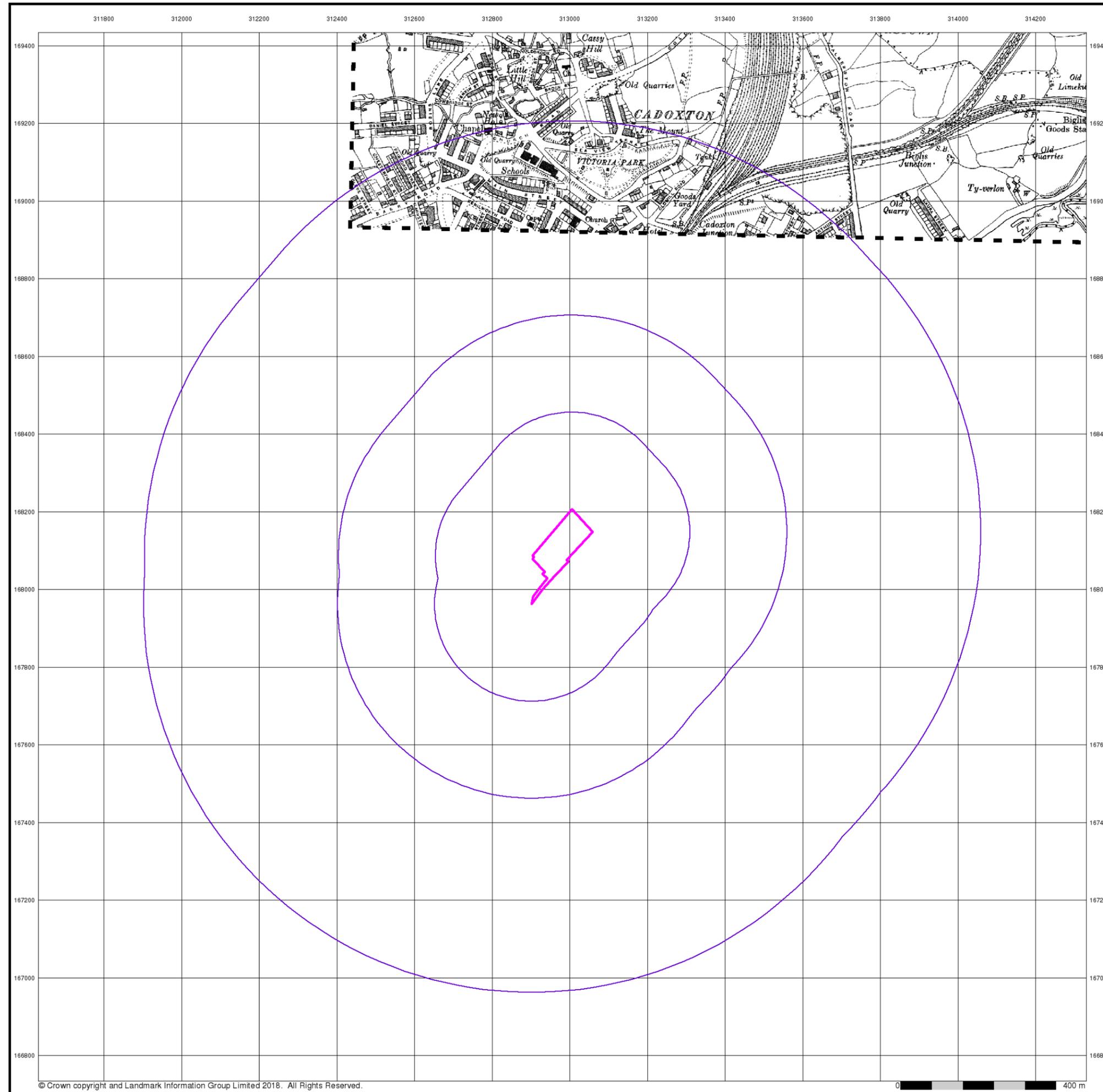
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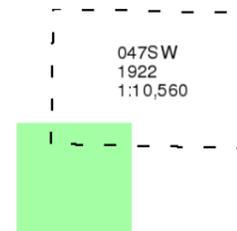
## Glamorganshire

Published 1922

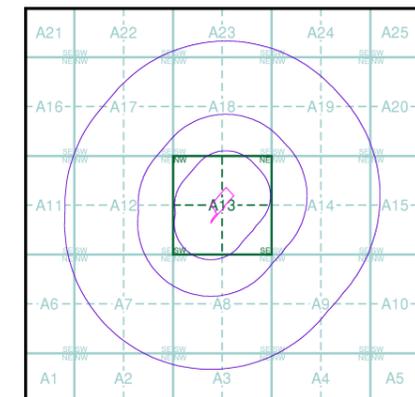
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

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



### Historical Map - Slice A



### Order Details

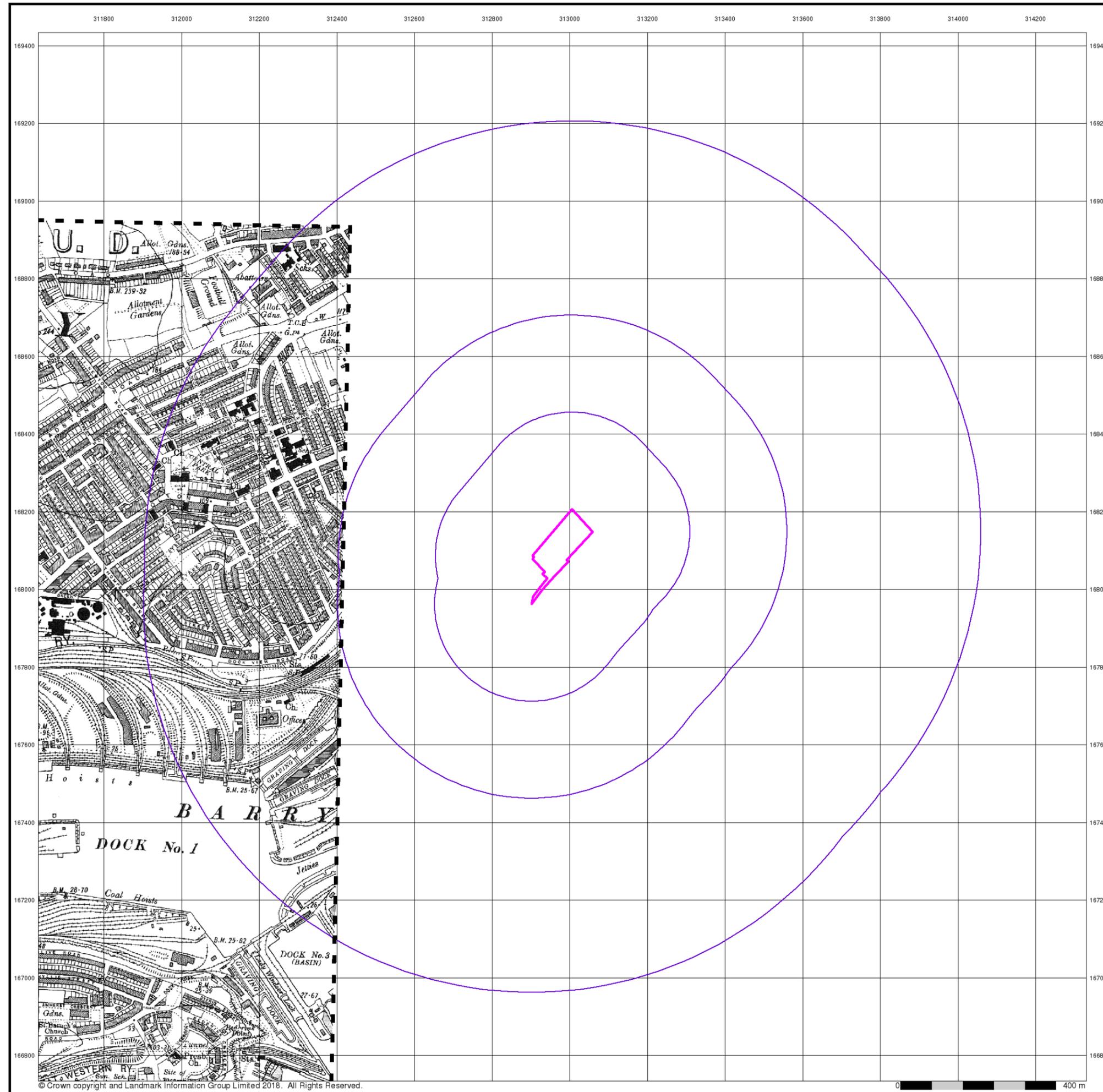
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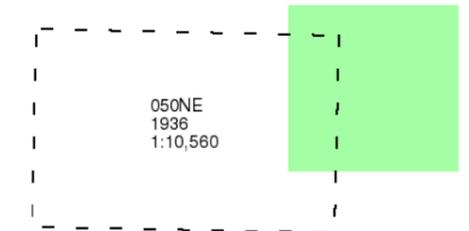
## Glamorganshire

Published 1936

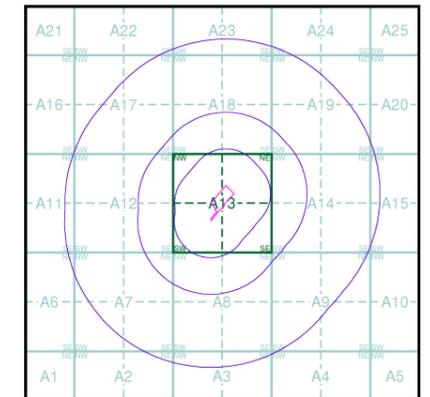
Source map scale - 1:10,560

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)



### Historical Map - Slice A



### Order Details

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
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 Site Area (Ha): 1.33  
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## Glamorganshire

Published 1938 - 1947

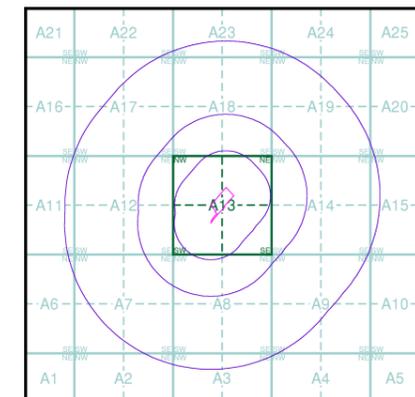
Source map scale - 1:10,560

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)

046SE 1947 1:10,560	047SW 1947 1:10,560
050NE 1938 1:10,560	051NW 1947 1:10,560

### Historical Map - Slice A



### Order Details

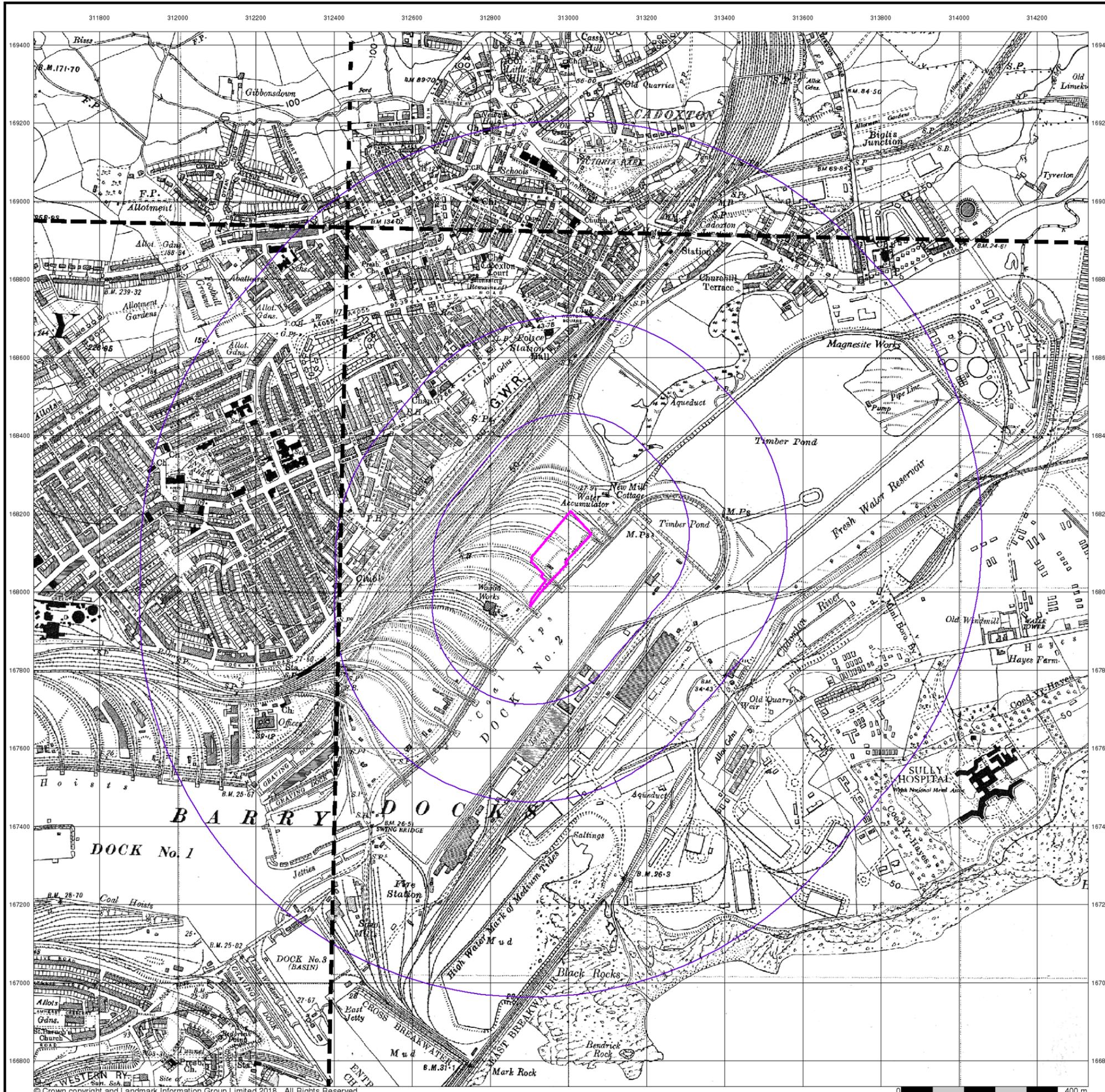
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
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 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

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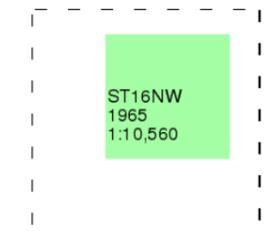
## Ordnance Survey Plan

Published 1965

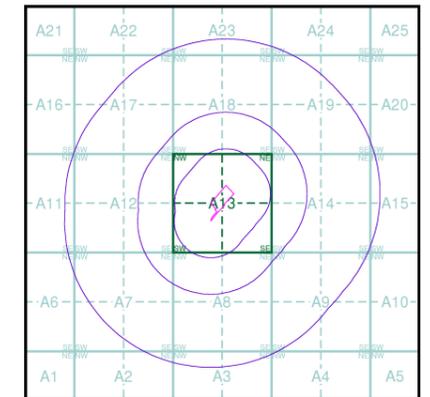
Source map scale - 1:10,000

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

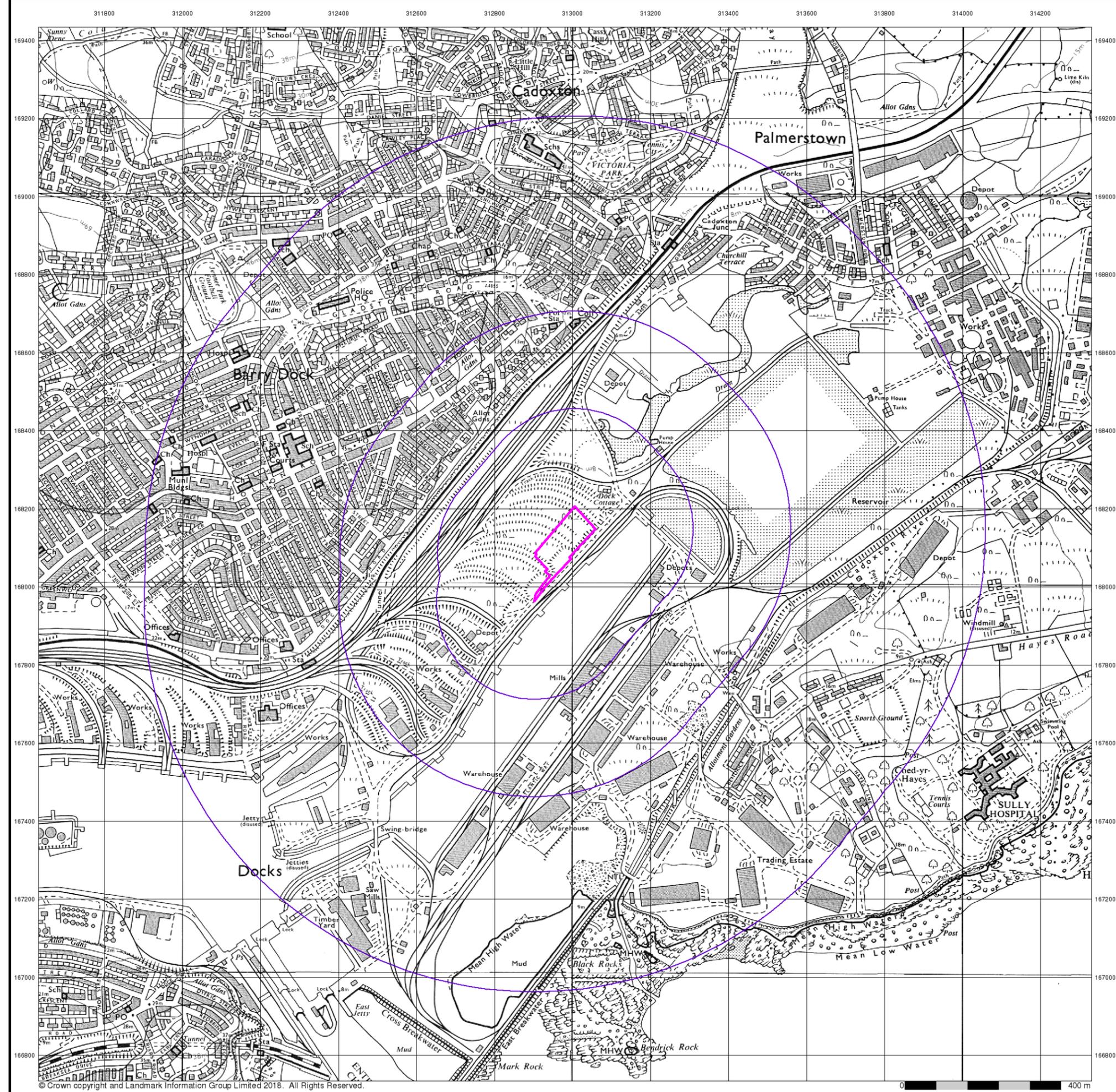
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

### Site Details

Site at, Barry Dock, The Vale of Glamorgan



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



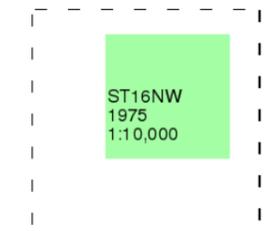
## Ordnance Survey Plan

Published 1975

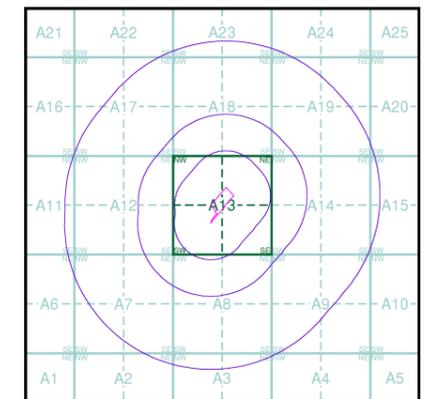
Source map scale - 1:10,000

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

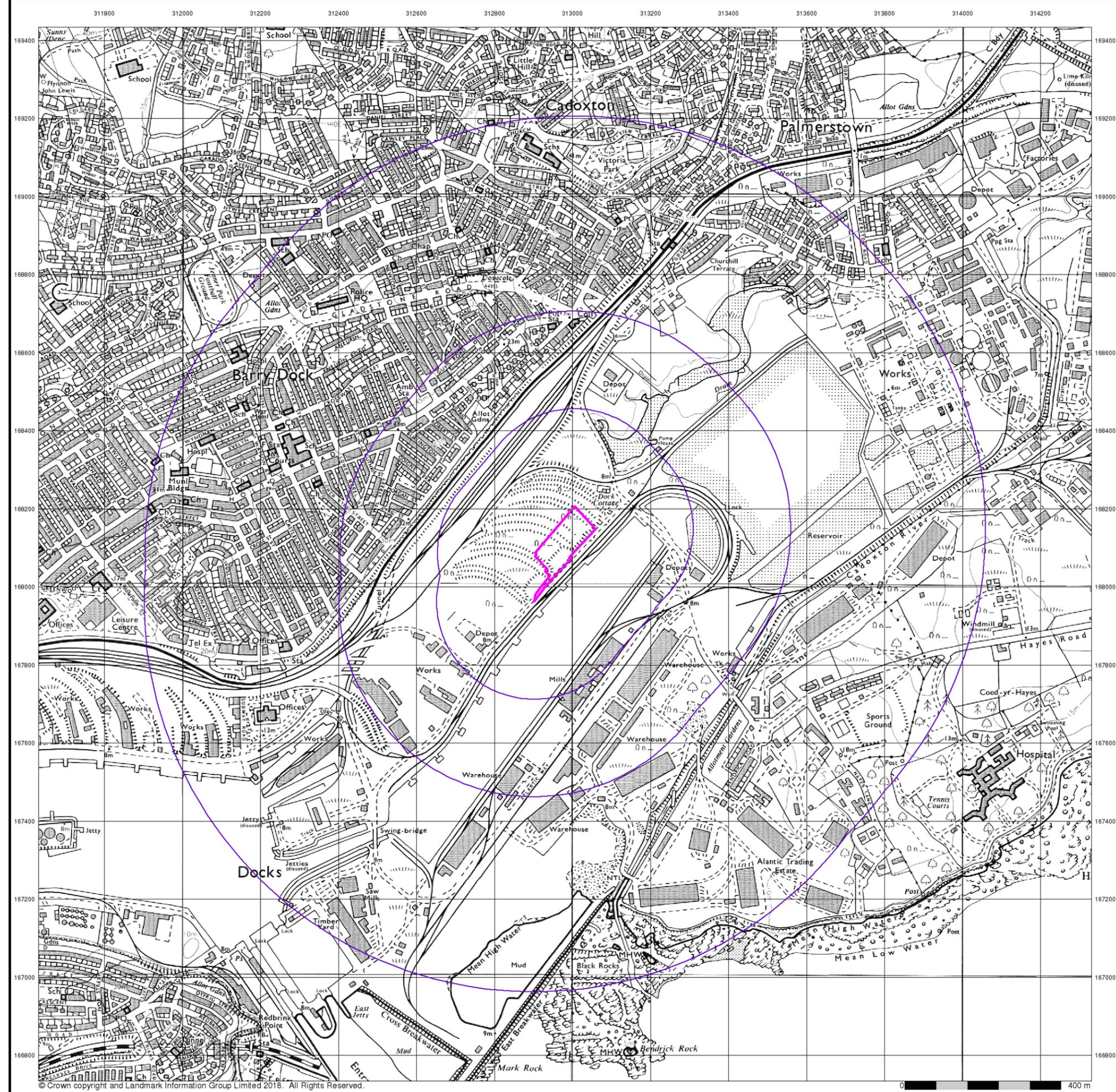
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

### Site Details

Site at, Barry Dock, The Vale of Glamorgan



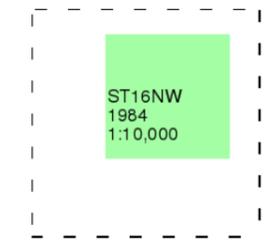
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



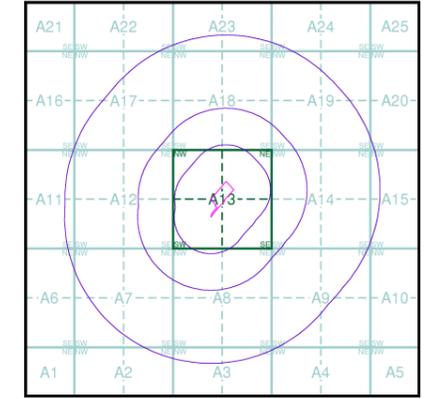
**Ordnance Survey Plan**  
**Published 1984**  
**Source map scale - 1:10,000**

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**

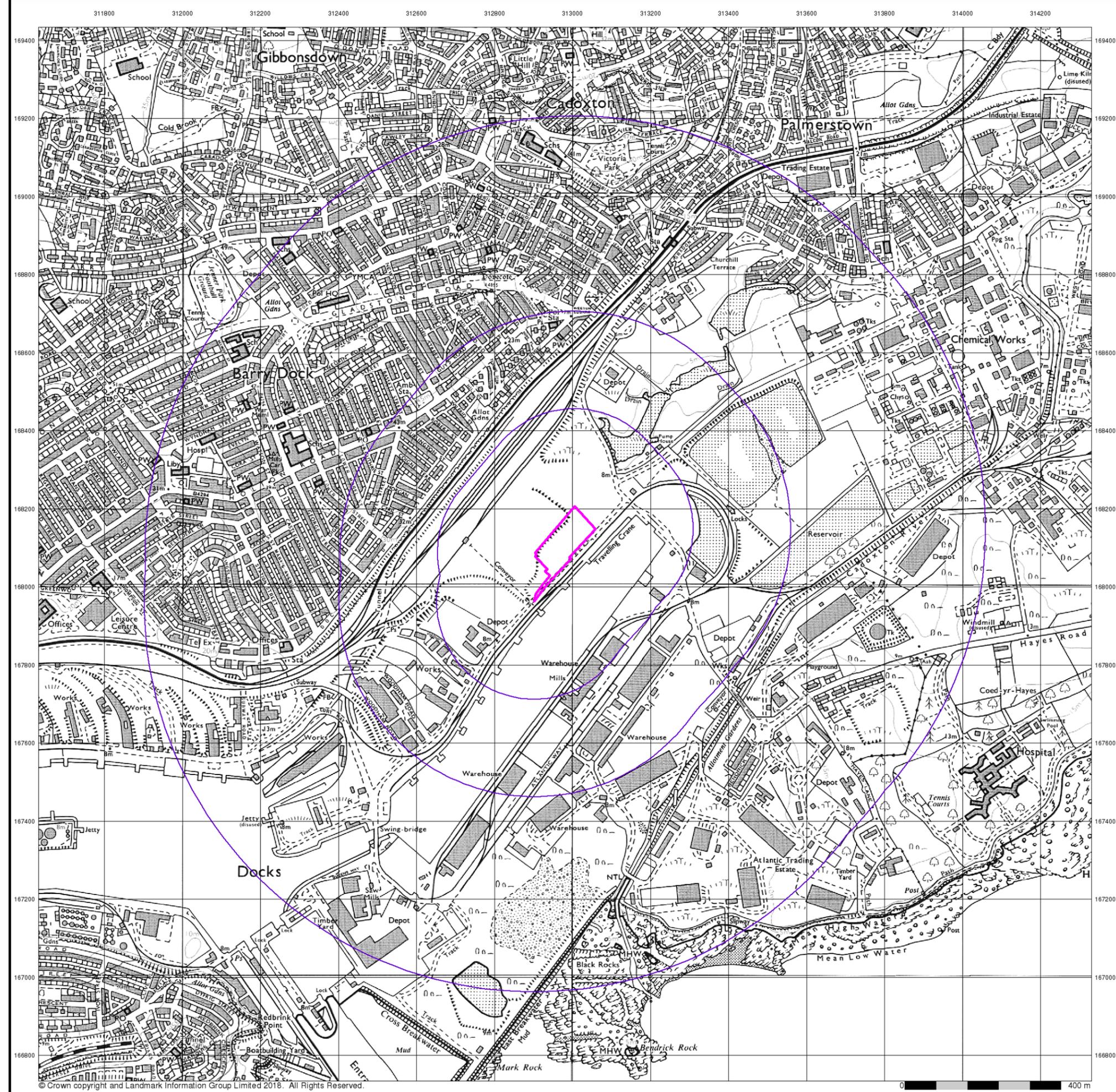
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

**Site Details**

Site at, Barry Dock, The Vale of Glamorgan



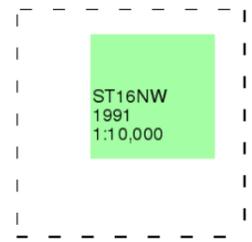
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



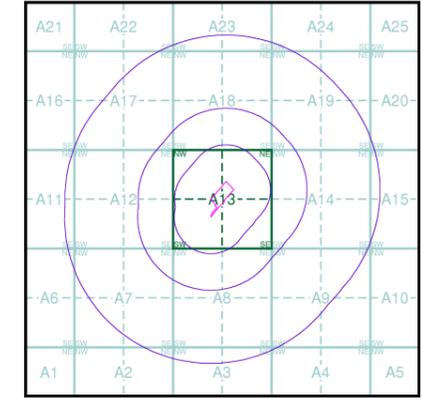
**Ordnance Survey Plan**  
**Published 1991**  
**Source map scale - 1:10,000**

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**

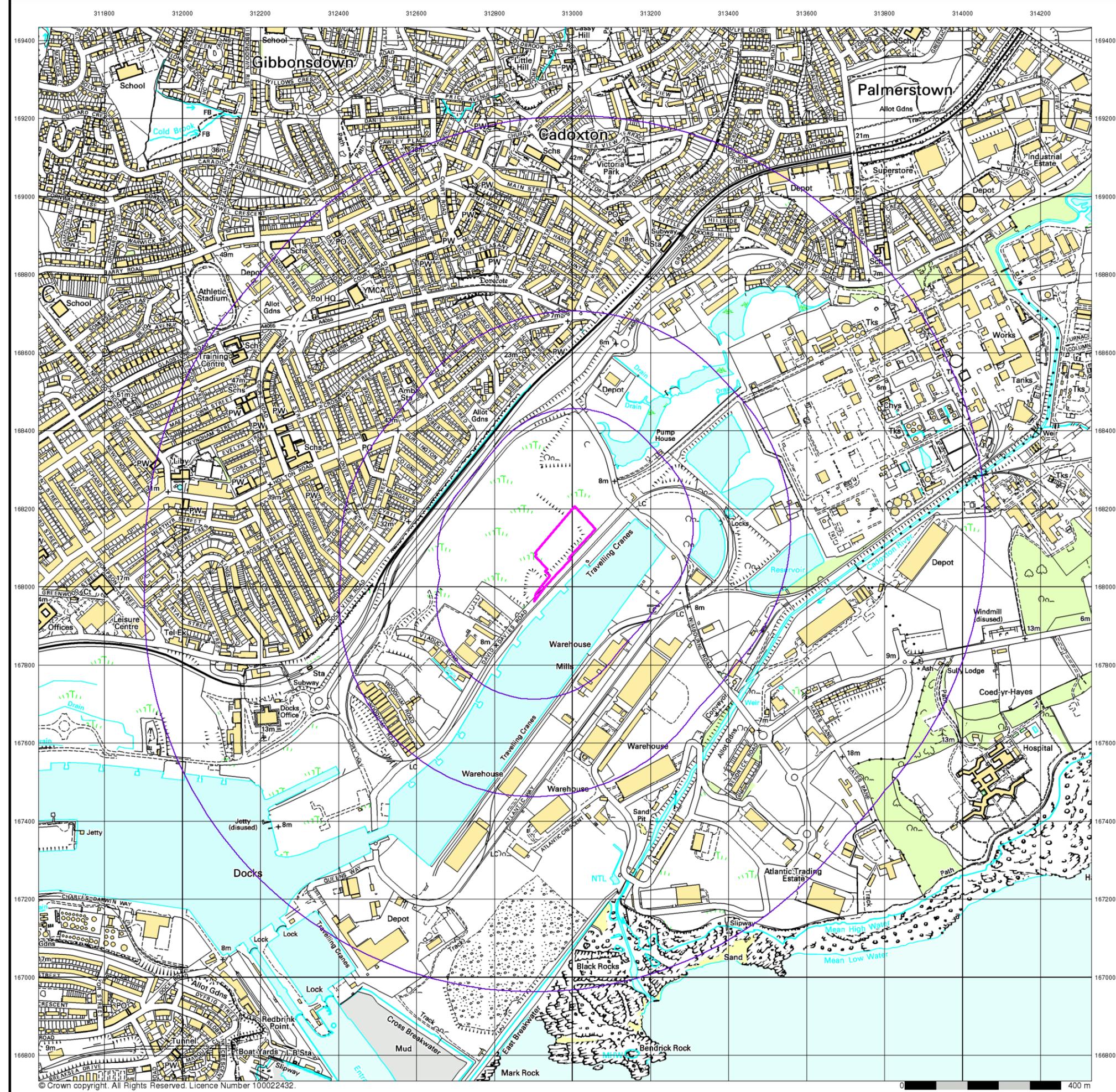
Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

**Site Details**

Site at, Barry Dock, The Vale of Glamorgan



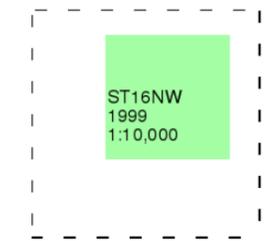
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



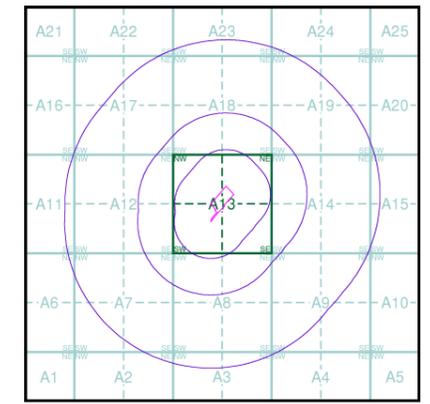
**10k Raster Mapping**  
**Published 1999**  
**Source map scale - 1:10,000**

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)**



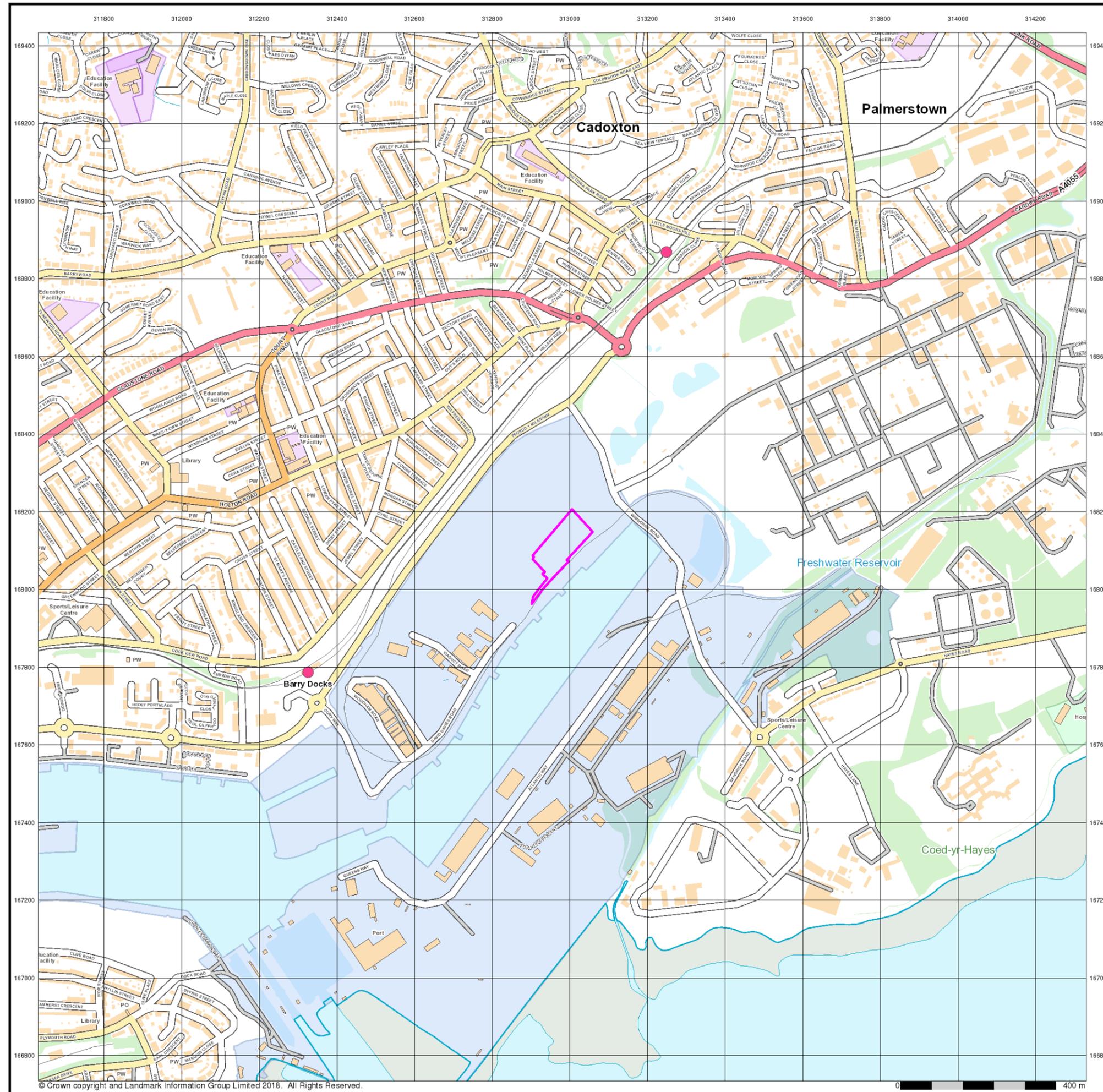
**Historical Map - Slice A**



**Order Details**  
 Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

**Site Details**  
 Site at, Barry Dock, The Vale of Glamorgan

**Landmark**  
 INFORMATION GROUP  
 Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



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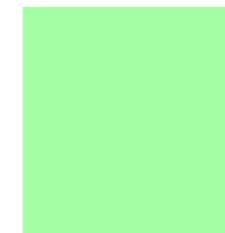
**Street View**

Published 2018

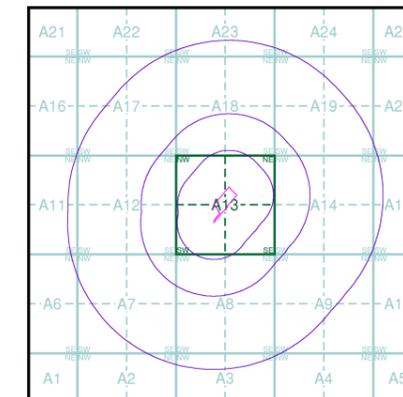
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

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



**Street View Map - Slice A**



**Order Details**

Order Number: 154476684\_1\_1  
 Customer Ref: A105832  
 National Grid Reference: 312970, 168080  
 Slice: A  
 Site Area (Ha): 1.33  
 Search Buffer (m): 1000

**Site Details**

Site at, Barry Dock, The Vale of Glamorgan



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



## Appendix C – Exploratory Hole Logs and Photo Plates



Project: **JMEL**  
 Location: **Barry**  
 Client: **JMEL**

Location Details  
 Easting:                      Northing:  
 Level:                         Depth: 0.50m  
 Logger: NP                    Type: TP

Status  
**DRAFT**

Pit Number  
**TP01**  
 Sheet 1 of 1

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions 	Orientation: 75°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: IV
	Shoring: None Stability: Stable. Plant: Tracked 360 Excavator					Approved By: IV Start Date: 08/12/2017 Finish Date: 08/12/2017

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
						Depth (m)	Ref	Tests / Results
Grey silty sandy fine to coarse sub angular to angular GRAVEL of mixed lithology with rare clay lenses (5cm) and plastic fragments. (MADE GROUND)		0.50				0.35	ES1	
EOH at 0.50m - Target depth achieved								

Observations / Remarks No groundwater encountered.	Project Number <b>A105832</b>
---	----------------------------------

1  
2  
3  
4  
5



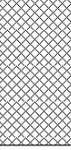
Project: **JMEL**  
 Location: **Barry**  
 Client: **JMEL**

Location Details  
 Easting:                      Northing:  
 Level:                         Depth: 0.50m  
 Logger: NP                    Type: TP

Status  
**DRAFT**

Pit Number  
**TP02**  
 Sheet 1 of 1

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions  1.75m                      0.60m	Orientation: 75°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: IV
	Shoring: None	0.50	0.50	20	Seepage	Approved By: IV
	Stability: Stable.					Start Date: 08/12/2017
	Plant: Tracked 360 Excavator					Finish Date: 08/12/2017

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
						Depth (m)	Ref	Tests / Results
Grey silty sandy fine to coarse sub angular to angular GRAVEL of mixed lithology with rare slag cobbles, brick fragments and clay lenses (<8cm). (MADE GROUND)		0.50				0.45	ES1	
EOH at 0.50m - Target depth achieved								

1  
2  
3  
4  
5

Observations / Remarks	
Groundwater seepage encountered at 0.50m.	
	Project Number <b>A105832</b>



Project: **JMEL**  
 Location: **Barry**  
 Client: **JMEL**

Location Details  
 Easting:                      Northing:  
 Level:                         Depth: 0.70m  
 Logger: NP                    Type: TP

Status  
**DRAFT**

Pit Number  
**TP03**  
 Sheet 1 of 1

Hole Information  
 Pit Dimensions  
  
 Orientation: 45°  
 Shoring: None  
 Stability: Stable.  
 Plant: Tracked 360 Excavator

Groundwater  
 Strike (m)    Rose To (m)    After (mins)    Remarks

Scale: 1:25  
 Checked By: IV  
 Approved By: IV  
 Start Date: 08/12/2017  
 Finish Date: 08/12/2017

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
						Depth (m)	Ref	Tests / Results
Dark grey slightly silty sandy fine to coarse sub angular GRAVEL of mixed lithology with rare brick, slag and concrete fragments. (MADE GROUND)		0.70				0.30	ES1	
EOH at 0.70m - Target depth achieved								

Observations / Remarks  
 No groundwater encountered.

Project Number  
**A105832**



Project: **JMEL**  
 Location: **Barry**  
 Client: **JMEL**

Location Details  
 Easting:                      Northing:  
 Level:                         Depth: 0.80m  
 Logger: NP                    Type: TP

Status  
**DRAFT**

Pit Number  
**TP04**  
 Sheet 1 of 1

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions 	Orientation: 45°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: IV
	Shoring: None Stability: Stable. Plant: Tracked 360 Excavator					Approved By: IV Start Date: 08/12/2017 Finish Date: 08/12/2017

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
						Depth (m)	Ref	Tests / Results
Dark grey brown very clayey silty sandy fine to coarse sub angular to angular GRAVEL of mixed lithology with rare concrete, brick and plastic fragments. (MADE GROUND)		0.80				0.30	ES1	
						0.70	ES2	
EOH at 0.80m - Target depth achieved								

Observations / Remarks	
No groundwater encountered.	
	Project Number <b>A105832</b>







Project: **JMEL**  
 Location: **Barry**  
 Client: **JMEL**

Location Details  
 Easting:                      Northing:  
 Level:                         Depth: 0.80m  
 Logger: NP                    Type: TP

Status  
**DRAFT**

Pit Number  
**TP07**  
 Sheet 1 of 1

Hole Information		Groundwater				Scale: 1:25
Pit Dimensions 	Orientation: 25°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: IV
	Shoring: None Stability: Stable. Plant: Tracked 360 Excavator					Approved By: IV Start Date: 08/12/2017 Finish Date: 08/12/2017

Strata Description	Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
						Depth (m)	Ref	Tests / Results
Vegetated HARDCORE. (MADE GROUND)		0.25				0.20	ES1	
Grey silty sandy fine to coarse sub angular to angular GRAVEL of limestone with rare slag cobbles and brick fragments. (MADE GROUND) <i>Geotextile membrane 0.25m bgl.</i>		0.80				0.55	ES2	
EOH at 0.80m - Target depth achieved								

Observations / Remarks No groundwater encountered.	Project Number <b>A105832</b>
---	----------------------------------



Plate 1

TP01 Pit



Plate 2

TP01 Spoil

**WYG Environment**  
 5th Floor, Longcross Court  
 47 Newport Road  
 Cardiff  
 CF24 0AD

**Tel: 029 20 829200**  
**Fax: 029 20 455321**  
**E-mail enviro.cardiff@wyg.com**  
 Environmental Consultancy  
 Ground Technologies & Investigation



**Project :-**  
**PROJECT NAME: Land At Barry Dock**

**Client: JMEL**

**Project No.:- 105832**

**Date :- Dec. 2017**



Plate 3

TP02 Pit



Plate 4

TP02 Spoil

**WYG Environment**  
 5th Floor, Longcross Court  
 47 Newport Road  
 Cardiff  
 CF24 0AD



Tel: 029 20 829200  
 Fax: 029 20 455321  
 E-mail [enviro.cardiff@wyg.com](mailto:enviro.cardiff@wyg.com)  
 Environmental Consultancy  
 Ground Technologies & Investigation

**Project :-**  
**PROJECT NAME: Land At Barry Dock**

**Client: JMEL**

**Project No.:- 105832**

**Date :- Dec. 2017**



Plate 5

TP03 Pit



Plate 6

TP03 Spoil

**WYG Environment**  
 5th Floor, Longcross Court  
 47 Newport Road  
 Cardiff  
 CF24 0AD

Tel: 029 20 829200  
 Fax: 029 20 455321  
 E-mail [enviro.cardiff@wyg.com](mailto:enviro.cardiff@wyg.com)  
 Environmental Consultancy  
 Ground Technologies & Investigation



**Project :-**  
**PROJECT NAME: Land At Barry Dock**

**Client: JMEL**

**Project No.:- 105832**

**Date :- Dec. 2017**



Plate 7

TP04 Pit



Plate 8

TP04 Spoil

**WYG Environment**  
 5th Floor, Longcross Court  
 47 Newport Road  
 Cardiff  
 CF24 0AD

Tel: 029 20 829200  
 Fax: 029 20 455321  
 E-mail [enviro.cardiff@wyg.com](mailto:enviro.cardiff@wyg.com)  
 Environmental Consultancy  
 Ground Technologies & Investigation



**Project :-**  
**PROJECT NAME: Land At Barry Dock**

**Client: JMEL**

Project No.: - 105832

Date : - Dec. 2017



Plate 9

TP05 Pit



Plate 10

TP05 Spoil

**WYG Environment**  
 5th Floor, Longcross Court  
 47 Newport Road  
 Cardiff  
 CF24 0AD

Tel: 029 20 829200  
 Fax: 029 20 455321  
 E-mail [enviro.cardiff@wyg.com](mailto:enviro.cardiff@wyg.com)  
 Environmental Consultancy  
 Ground Technologies & Investigation



**Project :-**  
**PROJECT NAME: Land At Barry Dock**

**Client: JMEL**

Project No.: - 105832

Date : - Dec. 2017



Plate 11

TP06 Pit



Plate 12

TP06 Spoil

**WYG Environment**  
 5th Floor, Longcross Court  
 47 Newport Road  
 Cardiff  
 CF24 0AD

Tel: 029 20 829200  
 Fax: 029 20 455321  
 E-mail [enviro.cardiff@wyg.com](mailto:enviro.cardiff@wyg.com)  
 Environmental Consultancy  
 Ground Technologies & Investigation



**Project :-**  
**PROJECT NAME: Land At Barry Dock**

**Client: JMEL**

Project No.: - 105832

Date : - Dec. 2017



Plate 13

TP07 Pit



Plate 14

TP07 Spoil

**WYG Environment**  
 5th Floor, Longcross Court  
 47 Newport Road  
 Cardiff  
 CF24 0AD



Tel: 029 20 829200  
 Fax: 029 20 455321  
 E-mail [enviro.cardiff@wyg.com](mailto:enviro.cardiff@wyg.com)  
 Environmental Consultancy  
 Ground Technologies & Investigation

**Project :-**  
**PROJECT NAME: Land At Barry Dock**

**Client: JMEL**

Project No.: - 105832

Date : - Dec. 2017



## Appendix D – Environmental Laboratory Testing Results



Unit 7-8 Hawarden Business Park  
Manor Road (off Manor Lane)  
Hawarden  
Deeside  
CH5 3US

Tel: (01244) 528700  
Fax: (01244) 528701

email: hawardencustomerservices@alsglobal.com  
Website: www.alsenvironmental.co.uk

WYG Geo-Environment  
5th Floor  
Longcross Court  
47 Newport Road  
Cardiff  
CF24 0AD

**Attention:** Nick Paulakis

## CERTIFICATE OF ANALYSIS

**Date:** 10 January 2018  
**Customer:** H\_WYG\_CDF  
**Sample Delivery Group (SDG):** 171211-3  
**Your Reference:** A105832  
**Location:** JMEL, Barry  
**Report No:** 439568

**This report has been revised and directly supersedes 437486 in its entirety.**

We received 10 samples on Monday December 11, 2017 and 8 of these samples were scheduled for analysis which was completed on Tuesday December 19, 2017. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

Approved By:

**Sonia McWhan**

Operations Manager





# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
16734546	TP01	ESES1	0.35 - 0.35	08/12/2017
16734555	TP02	ESES1	0.45 - 0.45	08/12/2017
16734562	TP03	ESES1	0.30 - 0.30	08/12/2017
16734566	TP04	ESES1	0.30 - 0.30	08/12/2017
16734571	TP04	ESES2	0.70 - 0.70	08/12/2017
16734575	TP05	ESES1	0.40 - 0.40	08/12/2017
16734579	TP05	ESES2	0.60 - 0.60	08/12/2017
16734584	TP06	ESES1	0.40 - 0.40	08/12/2017
16734589	TP07	ESES1	0.20 - 0.20	08/12/2017
16734550	TP07	ESES2	0.55 - 0.55	08/12/2017

### Maximum Sample/Coolbox Temperature (°C) :

**3.6**

#### ISO5667-3 Water quality - Sampling - Part3 -

During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

**Only received samples which have had analysis scheduled will be shown on the following pages.**







# CERTIFICATE OF ANALYSIS

Validated

**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

<b>Results Legend</b>  <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></div> <span>Test</span> </div> <div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: red; border: 1px solid black; margin-right: 5px;"></div> <span>No Determination Possible</span> </div> </div> Sample Types - S - Soil/Solid UNS - Unspecified Solid GW - Ground Water SW - Surface Water LE - Land Leachate PL - Prepared Leachate PR - Process Water SA - Saline Water TE - Trade Effluent TS - Treated Sewage US - Untreated Sewage RE - Recreational Water DW - Drinking Water Non-regulatory UNL - Unspecified Liquid SL - Sludge G - Gas OTH - Other	Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type	
		16734546	TP01	ES01	0.35 - 0.35	250g Amber Jar (ALE210) 1kg TUB	S
		16734555	TP02	ES01	0.45 - 0.45	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
		16734562	TP03	ES01	0.30 - 0.30	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
		16734571	TP04	ES02	0.70 - 0.70	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
		16734579	TP05	ES02	0.60 - 0.60	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
	16734584	TP06	ES01	0.40 - 0.40	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S	
	16734589	TP07	ES01	0.20 - 0.20	1kg TUB	S	
GRO by GC-FID (S)	All	NDPs: 0 Tests: 8					
GRO by GC-FID (W)	All	NDPs: 0 Tests: 3					
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 8					
Mercury Dissolved	All	NDPs: 0 Tests: 3					
Metals in solid samples by OES	All	NDPs: 0 Tests: 8					
Nitrite by Kone (w)	All	NDPs: 0 Tests: 3					
PAH by GCMS	All	NDPs: 0 Tests: 8					
PAH in waters by GC-MS (diss.filt)	All	NDPs: 0 Tests: 3					
pH	All	NDPs: 0 Tests: 8					
pH Value of Filtered Water	All	NDPs: 0 Tests: 3					
Phenols by HPLC (S)	All	NDPs: 0 Tests: 8					
Phenols by HPLC (W)	All	NDPs: 0 Tests: 3					
Sample description	All	NDPs: 0 Tests: 8					
Total Organic Carbon	All	NDPs: 0 Tests: 8					
TPH CWG Filtered (W)	All	NDPs: 0 Tests: 3					





# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
 Location: JMEL, Barry

Client Reference: A105832  
 Order Number: C17/596

Report Number: 439568  
 Superseded Report: 437486

**Results Legend**

- X Test
- N No Determination Possible

- Sample Types -
- S - Soil/Solid
  - UNS - Unspecified Solid
  - GW - Ground Water
  - SW - Surface Water
  - LE - Land Leachate
  - PL - Prepared Leachate
  - PR - Process Water
  - SA - Saline Water
  - TE - Trade Effluent
  - TS - Treated Sewage
  - US - Untreated Sewage
  - RE - Recreational Water
  - DW - Drinking Water
  - Non-regulatory
  - UNL - Unspecified Liquid
  - SL - Sludge
  - G - Gas
  - OTH - Other

	Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type
	16734546	TP01	ES01	0.35 - 0.35	250g Amber Jar (ALE210) 1kg TUB	S
	16734555	TP02	ES01	0.45 - 0.45	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
	16734562	TP03	ES01	0.30 - 0.30	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
	16734571	TP04	ES02	0.70 - 0.70	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
	16734579	TP05	ES02	0.60 - 0.60	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
	16734584	TP06	ES01	0.40 - 0.40	60g VOC (ALE215) 250g Amber Jar (ALE210) 1kg TUB	S
	16734589	TP07	ES01	0.20 - 0.20	1kg TUB	S
TPH CWG GC (S)	All		NDPs: 0 Tests: 8			
						X
						X
						X
						X
						X
						X

16734550	TP07	ESES2	0.55 - 0.55	60g VOC (ALE215)	S	
				250g Amber Jar (ALE210)	S	X
				1kg TUB	S	
16734589	TP07	ESES1	0.20 - 0.20	60g VOC (ALE215)	S	
				250g Amber Jar (ALE210)	S	X



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SDG: 171211-3  
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## Sample Descriptions

### Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
16734546	TP01	0.35 - 0.35	Dark Brown	Sandy Loam	Stones	None
16734555	TP02	0.45 - 0.45	Dark Brown	Loamy Sand	Stones	None
16734562	TP03	0.30 - 0.30	Dark Brown	Sandy Clay Loam	Stones	Vegetation
16734571	TP04	0.70 - 0.70	Dark Brown	Sandy Clay Loam	Stones	Vegetation
16734579	TP05	0.60 - 0.60	Light Brown	Loamy Sand	Stones	None
16734584	TP06	0.40 - 0.40	Dark Brown	Sandy Loam	Stones	None
16734550	TP07	0.55 - 0.55	Dark Brown	Loamy Sand	Stones	Vegetation
16734589	TP07	0.20 - 0.20	Dark Brown	Sandy Loam	Stones	Vegetation

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.



# CERTIFICATE OF ANALYSIS

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**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

Results Legend		Customer Sample Ref.	TP01	TP02	TP03	TP04	TP05	TP06
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.35 - 0.35	0.45 - 0.45	0.30 - 0.30	0.70 - 0.70	0.60 - 0.60	0.40 - 0.40
M	mCERTS accredited.		Soil/Solid (S)					
aq	Aqueous / settled sample.		08/12/2017	08/12/2017	08/12/2017	08/12/2017	08/12/2017	08/12/2017
diss.filt	Dissolved / filtered sample.		11/12/2017	11/12/2017	11/12/2017	11/12/2017	11/12/2017	11/12/2017
tot.unfilt	Total / unfiltered sample.		171211-3	171211-3	171211-3	171211-3	171211-3	171211-3
**	Subcontracted test.		16734546	16734555	16734562	16734571	16734579	16734584
*	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		ESES1	ESES1	ESES1	ESES2	ESES2	ESES1
(F)	Trigger breach confirmed							
1-5&+S@	Sample deviation (see appendix)							
Component	LOD/Units		Method					
Moisture Content Ratio (% of as received sample)	%	PM024	9.9	15	17	11	12	9.4
Phenol	<0.01 mg/kg	TM062 (S)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fraction Organic Carbon (FOC)	<0.002 -	TM132	0.00874	0.0161	0.017	0.037	0.00665	0.0781
pH	1 pH Units	TM133	11.9	12.1	11.3	8.52	11.3	11.4
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Cyanide, Easily liberatable (low level)	<0.5 mg/kg	TM153	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, Trivalent	<0.9 mg/kg	TM181	343	800	607	13	82.5	89.9
Arsenic	<0.6 mg/kg	TM181	12.9	4.69	7.99	6.4	6.12	2.74
Beryllium	<0.01 mg/kg	TM181	0.937	0.985	1.27	0.852	0.73	0.435
Cadmium	<0.02 mg/kg	TM181	1.05	1.94	0.617	0.224	0.247	0.411
Chromium	<0.9 mg/kg	TM181	343	800	607	13	82.5	89.9
Copper	<1.4 mg/kg	TM181	112	224	101	31.4	32.2	25.8
Lead	<0.7 mg/kg	TM181	80	138	125	46.8	45.2	40.5
Mercury	<0.14 mg/kg	TM181	<0.14	<0.14	<0.14	0.536	0.325	0.284
Nickel	<0.2 mg/kg	TM181	80.5	68	57.6	21.2	24.6	11.2
Selenium	<1 mg/kg	TM181	4.27	4.62	3.6	<1	<1	<1
Vanadium	<0.2 mg/kg	TM181	106	114	93.5	22.4	36.1	23.5
Zinc	<1.9 mg/kg	TM181	619	1260	1510	180	261	154
Boron, water soluble	<1 mg/kg	TM222	2.37	3.11	3.77	1.66	2.18	1.7
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.22	0.147	0.249	0.0195	0.0484	0.0442



# CERTIFICATE OF ANALYSIS

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**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

Results Legend		Customer Sample Ref.	TP07	TP07				
#	ISO17025 accredited.							
M	mCERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.							
tot.unfilt	Total / unfiltered sample.							
*	Subcontracted test.							
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery							
(F)	Trigger breach confirmed							
1-5&*\$@	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Moisture Content Ratio (% of as received sample)	%	PM024	11	14				
Phenol	<0.01 mg/kg	TM062 (S)	<0.01	<0.01				
Fraction Organic Carbon (FOC)	<0.002 -	TM132	0.0296	0.00777				
pH	1 pH Units	TM133	11	10.1				
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6	<0.6				
Cyanide, Easily liberatable (low level)	<0.5 mg/kg	TM153	<0.5	<0.5				
Chromium, Trivalent	<0.9 mg/kg	TM181	67.4	21.7				
Arsenic	<0.6 mg/kg	TM181	7.46	13.6				
Beryllium	<0.01 mg/kg	TM181	0.652	0.867				
Cadmium	<0.02 mg/kg	TM181	0.504	0.678				
Chromium	<0.9 mg/kg	TM181	67.4	21.7				
Copper	<1.4 mg/kg	TM181	103	25.6				
Lead	<0.7 mg/kg	TM181	89.6	51.3				
Mercury	<0.14 mg/kg	TM181	<0.14	<0.14				
Nickel	<0.2 mg/kg	TM181	33.2	35				
Selenium	<1 mg/kg	TM181	<1	<1				
Vanadium	<0.2 mg/kg	TM181	30.5	17.8				
Zinc	<1.9 mg/kg	TM181	347	184				
Boron, water soluble	<1 mg/kg	TM222	1.53	1.18				
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.0496	0.0547				



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**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

## PAH by GCMS

Results Legend		Customer Sample Ref.	TP01	TP02	TP03	TP04	TP05	TP06							
#	ISO17025 accredited.														
M	mCERTS accredited.	<b>Depth (m)</b> <b>Sample Type</b> <b>Date Sampled</b> <b>Sample Time</b> <b>Date Received</b> <b>SDG Ref</b> <b>Lab Sample No.(s)</b> <b>AGS Reference</b>	0.35 - 0.35 Soil/Solid (S) 08/12/2017	0.45 - 0.45 Soil/Solid (S) 08/12/2017	0.30 - 0.30 Soil/Solid (S) 08/12/2017	0.70 - 0.70 Soil/Solid (S) 08/12/2017	0.60 - 0.60 Soil/Solid (S) 08/12/2017	0.40 - 0.40 Soil/Solid (S) 08/12/2017							
aq	Aqueous / settled sample.														
diss.filt	Dissolved / filtered sample.														
tot.unfilt	Total / unfiltered sample.														
*	Subcontracted test.														
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery														
(F)	Trigger breach confirmed														
1-5&S@	Sample deviation (see appendix)														
Component	LOD/Units								Method						
Naphthalene-d8 % recovery**	%								TM218	102	109	108	99.6	102	97
Acenaphthene-d10 % recovery**	%	TM218	103	111	105	96.8	98.4	90.9							
Phenanthrene-d10 % recovery**	%	TM218	97.3	104	103	94.7	96.1	90.7							
Chrysene-d12 % recovery**	%	TM218	95.7	104	104	97.2	94.3	91.2							
Perylene-d12 % recovery**	%	TM218	102	111	109	102	99.4	93.3							
Naphthalene	<0.009 mg/kg	TM218	0.0503	0.0657	0.08	0.334	0.016	0.413							
Acenaphthylene	<0.012 mg/kg	TM218	<0.012	<0.012	0.0356	0.0687	<0.012	0.381							
Acenaphthene	<0.008 mg/kg	TM218	0.0128	0.0144	0.0165	0.121	<0.008	0.234							
Fluorene	<0.01 mg/kg	TM218	<0.01	0.0189	0.0283	0.153	<0.01	0.369							
Phenanthrene	<0.015 mg/kg	TM218	0.145	0.434	0.341	1.11	0.0577	2.97							
Anthracene	<0.016 mg/kg	TM218	0.025	0.0443	0.0908	0.309	0.025	1.01							
Fluoranthene	<0.017 mg/kg	TM218	0.151	0.469	0.655	1.98	0.133	8.52							
Pyrene	<0.015 mg/kg	TM218	0.134	0.323	0.48	1.5	0.141	8.63							
Benz(a)anthracene	<0.014 mg/kg	TM218	0.116	0.122	0.418	1.42	0.143	7.35							
Chrysene	<0.01 mg/kg	TM218	0.0928	0.11	0.372	1.27	0.118	6.89							
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	0.11	0.123	0.491	1.78	0.179	9.52							
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	0.0691	0.0698	0.19	0.687	0.0753	3.68							
Benzo(a)pyrene	<0.015 mg/kg	TM218	0.0776	0.083	0.333	1.32	0.133	6.67							
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	0.0575	0.0599	0.218	0.773	0.0799	3.87							
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	<0.023	<0.023	0.0816	0.321	<0.023	1.68							
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	0.0723	0.0832	0.223	0.843	0.0955	3.97							
PAH, Total Detected USEPA 16	<0.118 mg/kg	TM218	1.11	2.02	4.05	14	1.2	66.2							



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
 Location: JMEL, Barry

Client Reference: A105832  
 Order Number: C17/596

Report Number: 439568  
 Superseded Report: 437486

## PAH by GCMS

Results Legend		Customer Sample Ref.	TP07	TP07			
#	ISO17025 accredited.						
M	mCERTS accredited.						
aq	Aqueous / settled sample.						
diss.filt	Dissolved / filtered sample.						
tot.unfilt	Total / unfiltered sample.						
*	Subcontracted test.						
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery	Depth (m)	0.20 - 0.20	0.55 - 0.55			
(F)	Trigger breach confirmed	Sample Type	Soil/Solid (S)	Soil/Solid (S)			
1-5&*&\$@	Sample deviation (see appendix)	Date Sampled	08/12/2017	08/12/2017			
		Sample Time					
		Date Received	11/12/2017	11/12/2017			
		SDG Ref	171211-3	171211-3			
		Lab Sample No.(s)	16734589	16734550			
		AGS Reference	ESES1	ESES2			
Component	LOD/Units	Method					
Naphthalene-d8 % recovery**	%	TM218	102	97.4			
Acenaphthene-d10 % recovery**	%	TM218	99.6	93.3			
Phenanthrene-d10 % recovery**	%	TM218	97.3	90.2			
Chrysene-d12 % recovery**	%	TM218	103	93.4			
Perylene-d12 % recovery**	%	TM218	108	91.2			
Naphthalene	<0.009 mg/kg	TM218	0.104 M	0.0127 M			
Acenaphthylene	<0.012 mg/kg	TM218	0.079 M	<0.012 M			
Acenaphthene	<0.008 mg/kg	TM218	0.114 M	<0.008 M			
Fluorene	<0.01 mg/kg	TM218	0.143 M	<0.01 M			
Phenanthrene	<0.015 mg/kg	TM218	1.35 M	0.0931 M			
Anthracene	<0.016 mg/kg	TM218	0.41 M	0.0294 M			
Fluoranthene	<0.017 mg/kg	TM218	2.8 M	0.142 M			
Pyrene	<0.015 mg/kg	TM218	2.04 M	0.119 M			
Benz(a)anthracene	<0.014 mg/kg	TM218	2.08 M	0.114 M			
Chrysene	<0.01 mg/kg	TM218	1.63 M	0.0989 M			
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	2.24 M	0.176 M			
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	0.92 M	0.0645 M			
Benzo(a)pyrene	<0.015 mg/kg	TM218	1.85 M	0.0934 M			
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	1.04 M	0.0689 M			
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	0.425 M	<0.023 M			
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	1.09 M	0.0827 M			
PAH, Total Detected USEPA 16	<0.118 mg/kg	TM218	18.3	1.09			



# CERTIFICATE OF ANALYSIS

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**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

## TPH CWG (S)

Results Legend			Customer Sample Ref.	TP01	TP02	TP03	TP04	TP05	TP06
#	ISO17025 accredited.								
M	mCERTS accredited.								
aq	Aqueous / settled sample.								
diss.filt	Dissolved / filtered sample.								
tot.unfilt	Total / unfiltered sample.								
**	Subcontracted test.								
	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery								
(F)	Trigger breach confirmed								
1-5&#x20;	Sample deviation (see appendix)								
Component	LOD/Units	Method	AGS Reference						
GRO Surrogate % recovery**	%	TM089		96	82	78	34	118	18
GRO TOT (Moisture Corrected)	<0.044 mg/kg	TM089		<0.044 M	0.15 M	<0.044 M	<0.044 M	<0.044 M	<0.044 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089		<0.005 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #
Benzene	<0.01 mg/kg	TM089		<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M
Toluene	<0.002 mg/kg	TM089		0.00222 M	0.00354 M	0.0036 M	<0.002 M	<0.002 M	0.0044 M
Ethylbenzene	<0.003 mg/kg	TM089		<0.003 M	<0.003 M	<0.003 M	<0.003 M	<0.003 M	<0.003 M
m,p-Xylene	<0.006 mg/kg	TM089		<0.006 M	<0.006 M	<0.006 M	<0.006 M	<0.006 M	<0.006 M
o-Xylene	<0.003 mg/kg	TM089		<0.003 M	<0.003 M	<0.003 M	<0.003 M	<0.003 M	<0.003 M
sum of detected mpo xylene by GC	<0.009 mg/kg	TM089		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
sum of detected BTEX by GC	<0.024 mg/kg	TM089		<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Aliphatics >C5-C6	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089		<0.01	0.013	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089		<0.01	0.0413	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089		<0.01	0.0283	<0.01	<0.01	<0.01	<0.01
Aliphatics >C12-C16	<0.1 mg/kg	TM173		2.01	2.23	0.426	0.768	<0.1	3.75
Aliphatics >C16-C21	<0.1 mg/kg	TM173		8.46	13.7	3.45	4.41	2.86	10.1
Aliphatics >C21-C35	<0.1 mg/kg	TM173		46.3	103	34.3	40	20.8	138
Aliphatics >C35-C44	<0.1 mg/kg	TM173		12.7	40.5	24.4	54.8	5.89	228
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173		69.5	159	62.6	100	29.5	379
Aromatics >EC5-EC7	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >EC7-EC8	<0.01 mg/kg	TM089		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089		<0.01	0.0354	<0.01	<0.01	<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089		<0.01	0.0189	<0.01	<0.01	<0.01	<0.01
Aromatics >EC12-EC16	<0.1 mg/kg	TM173		0.656	0.781	<0.1	2.71	<0.1	9.41
Aromatics >EC16-EC21	<0.1 mg/kg	TM173		2.49	4.26	2.41	11.6	2.9	87.1
Aromatics >EC21-EC35	<0.1 mg/kg	TM173		13.7	27.2	31.2	76.4	14.6	480
Aromatics >EC35-EC44	<0.1 mg/kg	TM173		7.15	13.2	44.9	108	10	476
Aromatics >EC40-EC44	<0.1 mg/kg	TM173		3.07	5.61	21.7	52.5	4.65	211
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173		23.9	45.4	78.5	199	27.6	1050
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173		93.4	204	141	299	57.1	1430



# CERTIFICATE OF ANALYSIS

Validated

**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

## TPH CWG (S)

Results Legend		Customer Sample Ref.	TP07	TP07			
#	ISO17025 accredited.						
M	mCERTS accredited.						
aq	Aqueous / settled sample.						
diss.filt	Dissolved / filtered sample.						
tot.unfilt	Total / unfiltered sample.						
*	Subcontracted test.						
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery						
(F)	Trigger breach confirmed						
1-5&S@	Sample deviation (see appendix)						
Component	LOD/Units	Method					
GRO Surrogate % recovery**	%	TM089	71	87			
GRO TOT (Moisture Corrected)	<0.044 mg/kg	TM089	<0.044	<0.044			
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005	<0.005			
Benzene	<0.01 mg/kg	TM089	<0.01	<0.01			
Toluene	<0.002 mg/kg	TM089	0.00224	<0.002			
Ethylbenzene	<0.003 mg/kg	TM089	<0.003	<0.003			
m,p-Xylene	<0.006 mg/kg	TM089	<0.006	<0.006			
o-Xylene	<0.003 mg/kg	TM089	0.0112	<0.003			
sum of detected mpo xylene by GC	<0.009 mg/kg	TM089	0.0112	<0.009			
sum of detected BTEX by GC	<0.024 mg/kg	TM089	<0.024	<0.024			
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01	<0.01			
Aliphatics >C6-C8	<0.01 mg/kg	TM089	<0.01	<0.01			
Aliphatics >C8-C10	<0.01 mg/kg	TM089	<0.01	<0.01			
Aliphatics >C10-C12	<0.01 mg/kg	TM089	<0.01	<0.01			
Aliphatics >C12-C16	<0.1 mg/kg	TM173	0.867	<0.1			
Aliphatics >C16-C21	<0.1 mg/kg	TM173	6.21	<0.1			
Aliphatics >C21-C35	<0.1 mg/kg	TM173	53.5	10.8			
Aliphatics >C35-C44	<0.1 mg/kg	TM173	34.7	1.46			
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	95.3	12.3			
Aromatics >EC5-EC7	<0.01 mg/kg	TM089	<0.01	<0.01			
Aromatics >EC7-EC8	<0.01 mg/kg	TM089	<0.01	<0.01			
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	0.0179	<0.01			
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	<0.01	<0.01			
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	0.755	<0.1			
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	5.95	0.521			
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	51.2	5.71			
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	60.1	2.82			
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	28.7	1.1			
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	118	9.05			
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	213	21.3			



# CERTIFICATE OF ANALYSIS

Validated

**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

## Asbestos Identification - Solid Samples

	Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. TP01 ES ES1 Depth (m) 0.35 - 0.35 Sample Type SOLID Date Sampled 08/12/2017 00:00:00 Date Received 12/12/2017 07:33:37 SDG 171211-3 Original Sample 16734546 Method Number TM048	18/12/2017	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. TP02 ES ES1 Depth (m) 0.45 - 0.45 Sample Type SOLID Date Sampled 08/12/2017 00:00:00 Date Received 11/12/2017 16:54:18 SDG 171211-3 Original Sample 16734555 Method Number TM048	18/12/2017	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. TP03 ES ES1 Depth (m) 0.30 - 0.30 Sample Type SOLID Date Sampled 08/12/2017 00:00:00 Date Received 12/12/2017 07:36:07 SDG 171211-3 Original Sample 16734562 Method Number TM048	18/12/2017	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. TP04 ES ES2 Depth (m) 0.70 - 0.70 Sample Type SOLID Date Sampled 08/12/2017 00:00:00 Date Received 11/12/2017 17:07:51 SDG 171211-3 Original Sample 16734571 Method Number TM048	18/12/2017	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. TP05 ES ES2 Depth (m) 0.60 - 0.60 Sample Type SOLID Date Sampled 08/12/2017 00:00:00 Date Received 12/12/2017 07:26:07 SDG 171211-3 Original Sample 16734579 Method Number TM048	18/12/2017	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. TP06 ES ES1 Depth (m) 0.40 - 0.40 Sample Type SOLID Date Sampled 08/12/2017 00:00:00 Date Received 11/12/2017 17:02:42 SDG 171211-3 Original Sample 16734584 Method Number TM048	18/12/2017	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



# CERTIFICATE OF ANALYSIS

Validated

**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP07 ES ES1 0.20 - 0.20 SOLID 08/12/2017 00:00:00 12/12/2017 07:28:38 171211-3 16734589 TM048	18/12/2017	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP07 ES ES2 0.55 - 0.55 SOLID 08/12/2017 00:00:00 11/12/2017 16:59:28 171211-3 16734550 TM048	18/12/2017	Paul Poynton	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
 Location: JMEL, Barry

Client Reference: A105832  
 Order Number: C17/596

Report Number: 439568  
 Superseded Report: 437486

## CEN 10:1 SINGLE STAGE LEACHATE TEST

### CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

**Client Reference**

Mass Sample taken (kg)	0.105
Mass of dry sample (kg)	0.090
Particle Size <4mm	>95%

<b>Site Location</b>	JMEL, Barry
<b>Natural Moisture Content (%)</b>	16.3
<b>Dry Matter Content (%)</b>	86

**Case**

SDG	171211-3
Lab Sample Number(s)	16734550
Sampled Date	08-Dec-2017
Customer Sample Ref.	TP07 ESES2
Depth (m)	0.55 - 0.55

Eluate Analysis	C <sub>2</sub> Conc <sup>n</sup> in 10:1 eluate (mg/l)		A <sub>2</sub> 10:1 conc <sup>n</sup> leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Aliphatics >C12-C16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C16-C21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C21-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aliphatics >C12-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC12-EC16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC21-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aromatics >EC12-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
TPH (Total Aliphatics + Total Aromatics) >C5-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Nitrite as NO <sub>2</sub>	<0.05	<0.05	<0.5	<0.5	-	-	-
pH Value of Filtered Water	9.6	<0.001	96	<0.01	-	-	-
Sulphate (soluble)	8.9	<2	89	<20	-	-	-
Chloride	2.5	<2	25	<20	-	-	-
Dissolved Organic Carbon	<3	<3	<30	<30	-	-	-
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.00001	<0.00001	-	-	-
Antimony	0.00126	<0.0001	0.0126	<0.001	-	-	-
Naphthalene (diss.filt)	0.0000159	<0.00001	0.000159	<0.0001	-	-	-
Total Ammonia as NH <sub>3</sub>	0.271	<0.2	2.71	<2	-	-	-
Total Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthene (diss.filt)	0.00008	<0.000005	0.0008	<0.00005	-	-	-
Arsenic	0.00603	<0.0005	0.0603	<0.005	-	-	-
Total Ammonium as NH <sub>4</sub>	<0.3	<0.3	<3	<3	-	-	-
Acenaphthylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Barium	0.021	<0.0002	0.21	<0.002	-	-	-
Nitrate as NO <sub>3</sub>	<0.3	<0.3	<3	<3	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Fluoranthene (diss.filt)	0.0000519	<0.000005	0.000519	<0.00005	-	-	-
Anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Boron	0.128	<0.005	1.28	<0.05	-	-	-
Phenanthrene (diss.filt)	0.0000887	<0.000005	0.000887	<0.00005	-	-	-
Total Alkalinity Filtered as CaCO <sub>3</sub>	35	<2	350	<20	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Fluorene (diss.filt)	0.0000433	<0.000005	0.000433	<0.00005	-	-	-

### Leach Test Information

Date Prepared	14-Dec-2017
pH (pH Units)	8.71
Conductivity (µS/cm)	91.80
Temperature (°C)	18.10
Volume Leachant (Litres)	0.885



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## CEN 10:1 SINGLE STAGE LEACHATE TEST

### CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference

Mass Sample taken (kg) 0.105

Mass of dry sample (kg) 0.090

Particle Size <4mm >95%

Site Location JMEL, Barry

Natural Moisture Content (%) 16.3

Dry Matter Content (%) 86

#### Case

SDG 171211-3

Lab Sample Number(s) 16734550

Sampled Date 08-Dec-2017

Customer Sample Ref. TP07 ESES2

Depth (m) 0.55 - 0.55

#### Eluate Analysis

	C <sub>2</sub> Conc <sup>n</sup> in 10:1 eluate (mg/l)		A <sub>2</sub> 10:1 conc <sup>n</sup> leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Chrysene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Pyrene (diss.filt)	0.0000351	<0.000005	0.000351	<0.00005	-	-	-
Benzo(a)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Chromium	<0.001	<0.001	<0.01	<0.01	-	-	-
Benzo(b)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	<0.000002	<0.000002	<0.00002	<0.00002	-	-	-
Copper	0.00138	<0.0003	0.0138	<0.003	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Lead	0.000394	<0.0002	0.00394	<0.002	-	-	-
Benzo(g,h,i)perylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Molybdenum	0.0394	<0.0005	0.394	<0.005	-	-	-
PAH 16 EPA Total by GCMS (diss.filt)	0.000315	<0.000082	0.00315	<0.00082	-	-	-
Nickel	0.000562	<0.0004	0.00562	<0.004	-	-	-
Selenium	0.00111	<0.0005	0.0111	<0.005	-	-	-
Zinc	0.00144	<0.001	0.0144	<0.01	-	-	-
<b>TPH CWG (W)</b>							
Surrogate Recovery	-	<0	-	<0	-	-	-
GRO TOT (C5-C12)	<0.05	<0.05	<0.5	<0.5	-	-	-
Aliphatics C5-C6	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C6-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C8-C10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C10-C12	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics C6-C7	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >C7-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
MTBE GC-FID	<0.003	<0.003	<0.03	<0.03	-	-	-
Aromatics >EC8-EC10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC10-EC12	<0.01	<0.01	<0.1	<0.1	-	-	-
Benzene by GC	<0.007	<0.007	<0.07	<0.07	-	-	-
Toluene by GC	<0.004	<0.004	<0.04	<0.04	-	-	-
Ethylbenzene by GC	<0.005	<0.005	<0.05	<0.05	-	-	-
m & p Xylene by GC	<0.008	<0.008	<0.08	<0.08	-	-	-
o Xylene by GC	<0.003	<0.003	<0.03	<0.03	-	-	-
Sum m&p and o Xylene by GC	<0.011	<0.011	<0.11	<0.11	-	-	-
Sum of BTEX by GC	<0.028	<0.028	<0.28	<0.28	-	-	-

#### Leach Test Information

Date Prepared 14-Dec-2017

pH (pH Units) 8.71

Conductivity (µS/cm) 91.80

Temperature (°C) 18.10

Volume Leachant (Litres) 0.885



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## CEN 10:1 SINGLE STAGE LEACHATE TEST

### CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference	
Mass Sample taken (kg)	0.101
Mass of dry sample (kg)	0.090
Particle Size <4mm	>95%

Site Location	JMEL, Barry
Natural Moisture Content (%)	12.4
Dry Matter Content (%)	89

### Case

SDG	171211-3
Lab Sample Number(s)	16734571
Sampled Date	08-Dec-2017
Customer Sample Ref.	TP04 ESES2
Depth (m)	0.70 - 0.70

Eluate Analysis	C <sub>2</sub> Conc <sup>n</sup> in 10:1 eluate (mg/l)		A <sub>2</sub> 10:1 conc <sup>n</sup> leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Aliphatics >C12-C16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C16-C21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C21-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aliphatics >C12-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC12-EC16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC21-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aromatics >EC12-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
TPH (Total Aliphatics + Total Aromatics) >C5-C35	0.03	<0.01	0.3	<0.1	-	-	-
Nitrite as NO <sub>2</sub>	<0.05	<0.05	<0.5	<0.5	-	-	-
pH Value of Filtered Water	8.6	<0.001	86	<0.01	-	-	-
Sulphate (soluble)	5	<2	50	<20	-	-	-
Chloride	<2	<2	<20	<20	-	-	-
Dissolved Organic Carbon	3.29	<3	32.9	<30	-	-	-
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.00001	<0.00001	-	-	-
Antimony	0.00133	<0.0001	0.0133	<0.001	-	-	-
Naphthalene (diss.filt)	0.0000138	<0.00001	0.000138	<0.0001	-	-	-
Total Ammonia as NH <sub>3</sub>	<0.2	<0.2	<2	<2	-	-	-
Total Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthene (diss.filt)	0.0000343	<0.000005	0.000343	<0.00005	-	-	-
Arsenic	0.00334	<0.0005	0.0334	<0.005	-	-	-
Total Ammonium as NH <sub>4</sub>	<0.3	<0.3	<3	<3	-	-	-
Acenaphthylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Barium	0.0248	<0.0002	0.248	<0.002	-	-	-
Nitrate as NO <sub>3</sub>	<0.3	<0.3	<3	<3	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Fluoranthene (diss.filt)	0.000112	<0.000005	0.00112	<0.00005	-	-	-
Anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Boron	0.0883	<0.005	0.883	<0.05	-	-	-
Phenanthrene (diss.filt)	0.000119	<0.000005	0.00119	<0.00005	-	-	-
Total Alkalinity Filtered as CaCO <sub>3</sub>	63.5	<2	635	<20	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Fluorene (diss.filt)	0.0000212	<0.000005	0.000212	<0.00005	-	-	-

### Leach Test Information

Date Prepared	14-Dec-2017
pH (pH Units)	7.11
Conductivity (µS/cm)	109.00
Temperature (°C)	18.40
Volume Leachant (Litres)	0.889



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## CEN 10:1 SINGLE STAGE LEACHATE TEST

### CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference	
Mass Sample taken (kg)	0.101
Mass of dry sample (kg)	0.090
Particle Size <4mm	>95%

Site Location	JMEL, Barry
Natural Moisture Content (%)	12.4
Dry Matter Content (%)	89

### Case

SDG	171211-3
Lab Sample Number(s)	16734571
Sampled Date	08-Dec-2017
Customer Sample Ref.	TP04 ESES2
Depth (m)	0.70 - 0.70

Eluate Analysis	C <sub>2</sub> Conc <sup>n</sup> in 10:1 eluate (mg/l)		A <sub>2</sub> 10:1 conc <sup>n</sup> leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Chrysene (diss.filt)	0.0000503	<0.000005	0.000503	<0.00005	-	-	-
Pyrene (diss.filt)	0.0000943	<0.000005	0.000943	<0.00005	-	-	-
Benzo(a)anthracene (diss.filt)	0.0000236	<0.000005	0.000236	<0.00005	-	-	-
Chromium	<0.001	<0.001	<0.01	<0.01	-	-	-
Benzo(b)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	0.0000083	<0.000002	0.000083	<0.00002	-	-	-
Copper	0.00381	<0.0003	0.0381	<0.003	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Lead	0.000565	<0.0002	0.00565	<0.002	-	-	-
Benzo(g,h,i)perylene (diss.filt)	0.0000302	<0.000005	0.000302	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	0.00000952	<0.000005	0.0000952	<0.00005	-	-	-
Molybdenum	0.0121	<0.0005	0.121	<0.005	-	-	-
PAH 16 EPA Total by GCMS (diss.filt)	0.000517	<0.000082	0.00517	<0.00082	-	-	-
Nickel	0.000536	<0.0004	0.00536	<0.004	-	-	-
Selenium	<0.0005	<0.0005	<0.005	<0.005	-	-	-
Zinc	0.00201	<0.001	0.0201	<0.01	-	-	-
<b>TPH CWG (W)</b>							
Surrogate Recovery	-	<0	-	<0	-	-	-
GRO TOT (C5-C12)	<0.05	<0.05	<0.5	<0.5	-	-	-
Aliphatics C5-C6	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C6-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C8-C10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C10-C12	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics C6-C7	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >C7-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
MTBE GC-FID	<0.003	<0.003	<0.03	<0.03	-	-	-
Aromatics >EC8 -EC10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC10-EC12	<0.01	<0.01	<0.1	<0.1	-	-	-
Benzene by GC	<0.007	<0.007	<0.07	<0.07	-	-	-
Toluene by GC	<0.004	<0.004	<0.04	<0.04	-	-	-
Ethylbenzene by GC	<0.005	<0.005	<0.05	<0.05	-	-	-
m & p Xylene by GC	<0.008	<0.008	<0.08	<0.08	-	-	-
o Xylene by GC	<0.003	<0.003	<0.03	<0.03	-	-	-
Sum m&p and o Xylene by GC	<0.011	<0.011	<0.11	<0.11	-	-	-
Sum of BTEX by GC	<0.028	<0.028	<0.28	<0.28	-	-	-

### Leach Test Information

Date Prepared	14-Dec-2017
pH (pH Units)	7.11
Conductivity (µS/cm)	109.00
Temperature (°C)	18.40
Volume Leachant (Litres)	0.889



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## CEN 10:1 SINGLE STAGE LEACHATE TEST

### CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference  
Mass Sample taken (kg) 0.102  
Mass of dry sample (kg) 0.090  
Particle Size <4mm >95%

Site Location JMEL, Barry  
Natural Moisture Content (%) 13.6  
Dry Matter Content (%) 88

#### Case

SDG 171211-3  
Lab Sample Number(s) 16734579  
Sampled Date 08-Dec-2017  
Customer Sample Ref. TP05 ESES2  
Depth (m) 0.60 - 0.60

#### Eluate Analysis

	C <sub>2</sub> Conc <sup>n</sup> in 10:1 eluate (mg/l)		A <sub>2</sub> 10:1 conc <sup>n</sup> leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Aliphatics >C12-C16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C16-C21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C21-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aliphatics >C12-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC12-EC16	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC21	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC21-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC16-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
Total Aromatics >EC12-EC35	<0.01	<0.01	<0.1	<0.1	-	-	-
TPH (Total Aliphatics + Total Aromatics) >C5-C35	<0.01	<0.01	<0.1	<0.1	-	-	-
Nitrite as NO <sub>2</sub>	<0.05	<0.05	<0.5	<0.5	-	-	-
pH Value of Filtered Water	11	<0.001	110	<0.01	-	-	-
Sulphate (soluble)	31.1	<2	311	<20	-	-	-
Chloride	<2	<2	<20	<20	-	-	-
Dissolved Organic Carbon	3.24	<3	32.4	<30	-	-	-
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Antimony	0.0031	<0.0001	0.031	<0.001	-	-	-
Naphthalene (diss.filt)	0.0000243	<0.00001	0.000243	<0.0001	-	-	-
Total Ammonia as NH <sub>3</sub>	<0.2	<0.2	<2	<2	-	-	-
Total Cyanide (W)	<0.05	<0.05	<0.5	<0.5	-	-	-
Acenaphthene (diss.filt)	0.0000127	<0.000005	0.000127	<0.00005	-	-	-
Arsenic	0.00358	<0.0005	0.0358	<0.005	-	-	-
Total Ammonium as NH <sub>4</sub>	<0.3	<0.3	<3	<3	-	-	-
Acenaphthylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Barium	0.0195	<0.0002	0.195	<0.002	-	-	-
Nitrate as NO <sub>3</sub>	<0.3	<0.3	<3	<3	-	-	-
Phenol by HPLC (W)	<0.002	<0.002	<0.02	<0.02	-	-	-
Beryllium	<0.0001	<0.0001	<0.001	<0.001	-	-	-
Fluoranthene (diss.filt)	0.0000197	<0.000005	0.000197	<0.00005	-	-	-
Anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Boron	0.194	<0.005	1.94	<0.05	-	-	-
Phenanthrene (diss.filt)	0.0000423	<0.000005	0.000423	<0.00005	-	-	-
Total Alkalinity Filtered as CaCO <sub>3</sub>	110	<2	1100	<20	-	-	-
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	-	-	-
Fluorene (diss.filt)	0.00000513	<0.000005	0.0000513	<0.00005	-	-	-

#### Leach Test Information

Date Prepared 13-Dec-2017  
pH (pH Units) 10.88  
Conductivity (µS/cm) 373.00  
Temperature (°C) 19.40  
Volume Leachant (Litres) 0.888



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## CEN 10:1 SINGLE STAGE LEACHATE TEST

### CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference

Mass Sample taken (kg) 0.102

Mass of dry sample (kg) 0.090

Particle Size <4mm >95%

Site Location JMEL, Barry

Natural Moisture Content (%) 13.6

Dry Matter Content (%) 88

#### Case

SDG 171211-3

Lab Sample Number(s) 16734579

Sampled Date 08-Dec-2017

Customer Sample Ref. TP05 ESES2

Depth (m) 0.60 - 0.60

#### Eluate Analysis

	C <sub>2</sub> Conc <sup>n</sup> in 10:1 eluate (mg/l)		A <sub>2</sub> 10:1 conc <sup>n</sup> leached (mg/kg)				
	Result	Limit of Detection	Result	Limit of Detection			
Chrysene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Pyrene (diss.filt)	0.0000187	<0.000005	0.000187	<0.00005	-	-	-
Benzo(a)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Chromium	0.00295	<0.001	0.0295	<0.01	-	-	-
Benzo(b)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(k)fluoranthene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Benzo(a)pyrene (diss.filt)	<0.000002	<0.000002	<0.00002	<0.00002	-	-	-
Copper	0.0228	<0.0003	0.228	<0.003	-	-	-
Dibenzo(a,h)anthracene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Lead	<0.0002	<0.0002	<0.002	<0.002	-	-	-
Benzo(g,h,i)perylene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Indeno(1,2,3-cd)pyrene (diss.filt)	<0.000005	<0.000005	<0.00005	<0.00005	-	-	-
Molybdenum	0.00137	<0.0005	0.0137	<0.005	-	-	-
PAH 16 EPA Total by GCMS (diss.filt)	0.000123	<0.000082	0.00123	<0.00082	-	-	-
Nickel	<0.0004	<0.0004	<0.004	<0.004	-	-	-
Selenium	<0.0005	<0.0005	<0.005	<0.005	-	-	-
Zinc	<0.001	<0.001	<0.01	<0.01	-	-	-

#### TPH CWG (W)

Surrogate Recovery	-	<0	-	<0	-	-	-
GRO TOT (C5-C12)	<0.05	<0.05	<0.5	<0.5	-	-	-
Aliphatics C5-C6	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C6-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C8-C10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aliphatics >C10-C12	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics C6-C7	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >C7-C8	<0.01	<0.01	<0.1	<0.1	-	-	-
MTBE GC-FID	<0.003	<0.003	<0.03	<0.03	-	-	-
Aromatics >EC8 -EC10	<0.01	<0.01	<0.1	<0.1	-	-	-
Aromatics >EC10-EC12	<0.01	<0.01	<0.1	<0.1	-	-	-
Benzene by GC	<0.007	<0.007	<0.07	<0.07	-	-	-
Toluene by GC	<0.004	<0.004	<0.04	<0.04	-	-	-
Ethylbenzene by GC	<0.005	<0.005	<0.05	<0.05	-	-	-
m & p Xylene by GC	<0.008	<0.008	<0.08	<0.08	-	-	-
o Xylene by GC	<0.003	<0.003	<0.03	<0.03	-	-	-
Sum m&p and o Xylene by GC	<0.011	<0.011	<0.11	<0.11	-	-	-
Sum of BTEX by GC	<0.028	<0.028	<0.28	<0.28	-	-	-

#### Leach Test Information

Date Prepared 13-Dec-2017

pH (pH Units) 10.88

Conductivity (µS/cm) 373.00

Temperature (°C) 19.40

Volume Leachant (Litres) 0.888



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## Table of Results - Appendix

Method No	Reference	Description
PM001		Preparation of Samples for Metals Analysis
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
PM115		Leaching Procedure for CEN One Stage Leach Test 2:1 & 10:1 1 Step
TM043	Method 2320B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part109 1984	Determination of alkalinity in aqueous samples
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material
TM061	Method for the Determination of EPH, Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)
TM062 (S)	National Grid Property Holdings Methods for the Collection & Analysis of Samples from National Grid Sites version 1 Sec 3.9	Determination of Phenols in Soils by HPLC
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser
TM132	In - house Method	ELTRA CS800 Operators Guide
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers
TM218	Determination of PAH by GCMS Microwave extraction	The determination of PAH in soil samples by microwave extraction and GC-MS
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer
TM227	Standard methods for the examination of waters and wastewaters 20th Edition, AWWA/APHA Method 4500.	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate
TM243		Mixed Anions In Soils By Kone
TM245	By GC-FID	Determination of GRO by Headspace in waters
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter
TM259	by HPLC	Determination of Phenols in Waters and Leachates by HPLC

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).



# CERTIFICATE OF ANALYSIS

Validated

**SDG:** 171211-3  
**Location:** JMEL, Barry

**Client Reference:** A105832  
**Order Number:** C17/596

**Report Number:** 439568  
**Superseded Report:** 437486

## Test Completion Dates

Lab Sample No(s) Customer Sample Ref.  AGS Ref. Depth Type	16734546	16734555	16734562	16734571	16734579	16734584	16734550	16734589
	TP01	TP02	TP03	TP04	TP05	TP06	TP07	TP07
	ESES1	ESES1	ESES1	ESES2	ESES2	ESES1	ESES2	ESES1
	0.35 - 0.35	0.45 - 0.45	0.30 - 0.30	0.70 - 0.70	0.60 - 0.60	0.40 - 0.40	0.55 - 0.55	0.20 - 0.20
	Soil/Solid (S)							
Alkalinity Filtered as CaCO3				15-Dec-2017	15-Dec-2017		15-Dec-2017	
Ammoniacal Nitrogen				15-Dec-2017	15-Dec-2017		15-Dec-2017	
Anions by Kone (soil)	18-Dec-2017							
Anions by Kone (w)				15-Dec-2017	15-Dec-2017		15-Dec-2017	
Asbestos ID in Solid Samples	18-Dec-2017							
Boron Water Soluble	18-Dec-2017							
CEN 10:1 Leachate (1 Stage)				14-Dec-2017	13-Dec-2017		14-Dec-2017	
CEN Readings				15-Dec-2017	14-Dec-2017		15-Dec-2017	
Chromium III	18-Dec-2017	18-Dec-2017	19-Dec-2017	19-Dec-2017	19-Dec-2017	18-Dec-2017	19-Dec-2017	18-Dec-2017
Cyanide Comp/Free/Total/Thiocyanate	14-Dec-2017	14-Dec-2017	14-Dec-2017	15-Dec-2017	15-Dec-2017	14-Dec-2017	15-Dec-2017	14-Dec-2017
Dissolved Metals by ICP-MS				19-Dec-2017	19-Dec-2017		19-Dec-2017	
Dissolved Organic/Inorganic Carbon				15-Dec-2017	15-Dec-2017		15-Dec-2017	
EPH CWG (Aliphatic) Filtered GC (W)				18-Dec-2017	15-Dec-2017		18-Dec-2017	
EPH CWG (Aliphatic) GC (S)	14-Dec-2017							
EPH CWG (Aromatic) Filtered GC (W)				18-Dec-2017	15-Dec-2017		18-Dec-2017	
EPH CWG (Aromatic) GC (S)	14-Dec-2017							
GRO by GC-FID (S)	17-Dec-2017							
GRO by GC-FID (W)				15-Dec-2017	15-Dec-2017		15-Dec-2017	
Hexavalent Chromium (s)	15-Dec-2017	15-Dec-2017	18-Dec-2017	18-Dec-2017	18-Dec-2017	15-Dec-2017	18-Dec-2017	18-Dec-2017
Mercury Dissolved				18-Dec-2017	15-Dec-2017		18-Dec-2017	
Metals in solid samples by OES	18-Dec-2017	18-Dec-2017	19-Dec-2017	19-Dec-2017	19-Dec-2017	18-Dec-2017	19-Dec-2017	18-Dec-2017
Nitrite by Kone (w)				15-Dec-2017	15-Dec-2017		15-Dec-2017	
PAH by GCMS	15-Dec-2017	15-Dec-2017	16-Dec-2017	16-Dec-2017	16-Dec-2017	16-Dec-2017	18-Dec-2017	16-Dec-2017
PAH in waters by GC-MS (diss.filt)				15-Dec-2017	15-Dec-2017		15-Dec-2017	
pH	18-Dec-2017	18-Dec-2017	15-Dec-2017	15-Dec-2017	18-Dec-2017	18-Dec-2017	16-Dec-2017	15-Dec-2017
pH Value of Filtered Water				15-Dec-2017	15-Dec-2017		15-Dec-2017	
Phenols by HPLC (S)	15-Dec-2017	15-Dec-2017	15-Dec-2017	14-Dec-2017	15-Dec-2017	15-Dec-2017	15-Dec-2017	14-Dec-2017
Phenols by HPLC (W)				15-Dec-2017	15-Dec-2017		15-Dec-2017	
Sample description	12-Dec-2017							
Total Organic Carbon	15-Dec-2017							
TPH CWG Filtered (W)				18-Dec-2017	15-Dec-2017		18-Dec-2017	
TPH CWG GC (S)	17-Dec-2017							



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## ASSOCIATED AQC DATA

### Alkalinity Filtered as CaCO3

Component	Method Code	QC 1677	QC 1673
Total Alkalinity Filtered as CaCO3	TM043	<b>101.01</b> 95.62 : 106.88	<b>107.5</b> 98.25 : 118.05

### Ammoniacal Nitrogen

Component	Method Code	QC 1635	QC 1663
Ammoniacal Nitrogen as N	TM099	<b>99.2</b> 93.47 : 108.25	<b>99.2</b> 93.47 : 108.25

### Anions by Kone (soil)

Component	Method Code	QC 1602	QC 1693
Chloride (soluble)	TM243	<b>65.24</b> 89.30 : 110.70	89.30 : 110.70
Water Soluble Sulphate as SO4 2:1 Extract	TM243	<b>55.68</b> 70.45 : 129.55	70.45 : 129.55

### Anions by Kone (w)

Component	Method Code	QC 1654	QC 1631
Chloride	TM184	<b>106.0</b> 92.93 : 115.43	<b>107.0</b> 92.93 : 115.43
Phosphate (Ortho as PO4)	TM184	96.40 : 108.40	96.40 : 108.40
Sulphate (soluble)	TM184	<b>104.4</b> 90.53 : 113.03	<b>106.8</b> 90.53 : 113.03
TON as NO3	TM184	<b>107.0</b> 96.26 : 111.21	<b>107.5</b> 96.26 : 111.21

### Boron Water Soluble

Component	Method Code	QC 1680	QC 1644
Water Soluble Boron	TM222	<b>95.5</b> 84.27 : 109.96	<b>89.0</b> 84.27 : 109.96

### Cyanide Comp/Free/Total/Thiocyanate



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## Cyanide Comp/Free/Total/Thiocyanate

Component	Method Code	QC 1637	QC 1688	QC 1693	QC 1603
Free Cyanide	TM153	<b>93.1</b> 84.60 : 110.40	<b>95.1</b> 84.60 : 110.40	<b>91.9</b> 84.60 : 110.40	
Free Cyanide (W)	TM227				<b>97.25</b> 93.25 : 112.75
Thiocyanate	TM153	<b>91.02</b> 83.02 : 103.47	<b>93.41</b> 83.02 : 103.47	<b>88.02</b> 83.02 : 103.47	
Thiocyanate (W)	TM227				<b>103.5</b> 97.75 : 109.75
Total Cyanide	TM153	<b>100.71</b> 87.53 : 111.13	<b>102.86</b> 87.53 : 111.13	<b>99.29</b> 87.53 : 111.13	
Total Cyanide (W)	TM227				<b>104.75</b> 95.25 : 111.75

## Dissolved Metals by ICP-MS

Component	Method Code	QC 1606
Aluminium	TM152	<b>103.0</b> 89.90 : 110.02
Antimony	TM152	<b>91.5</b> 79.80 : 122.00
Arsenic	TM152	<b>94.33</b> 90.42 : 111.32
Barium	TM152	<b>100.0</b> 92.02 : 112.48
Beryllium	TM152	<b>100.83</b> 86.15 : 118.35
Bismuth	TM152	<b>99.83</b> 88.90 : 106.90
Borate	TM152	<b>106.17</b> 88.00 : 112.00
Boron	TM152	<b>106.33</b> 86.68 : 117.67
Cadmium	TM152	<b>94.5</b> 92.07 : 109.87
Chromium	TM152	<b>95.0</b> 90.87 : 108.50
Cobalt	TM152	<b>97.83</b> 84.39 : 114.26
Copper	TM152	<b>94.0</b> 91.20 : 110.79
Lead	TM152	<b>99.67</b> 85.65 : 113.58
Lithium	TM152	<b>105.83</b> 89.26 : 119.04
Manganese	TM152	<b>96.17</b> 90.63 : 109.13
Molybdenum	TM152	<b>91.5</b> 87.00 : 108.89
Nickel	TM152	<b>94.83</b> 92.11 : 110.56
Phosphorus	TM152	<b>95.83</b> 90.52 : 115.47
Selenium	TM152	<b>92.83</b> 88.44 : 113.86



# CERTIFICATE OF ANALYSIS

Validated

SDG: 171211-3  
Location: JMEL, Barry

Client Reference: A105832  
Order Number: C17/596

Report Number: 439568  
Superseded Report: 437486

## Dissolved Metals by ICP-MS

		QC 1606
Silver	TM152	<b>82.33</b> 81.52 : 114.92
Strontium	TM152	<b>96.67</b> 90.72 : 114.82
Tellurium	TM152	<b>89.83</b> 86.97 : 108.87
Thallium	TM152	<b>97.67</b> 80.92 : 114.72
Titanium	TM152	<b>100.5</b> 90.08 : 111.18
Tungsten	TM152	<b>100.0</b> 91.72 : 109.22
Uranium	TM152	<b>101.17</b> 90.58 : 113.28
Vanadium	TM152	<b>97.17</b> 88.43 : 114.30
Zinc	TM152	<b>91.0</b> 86.52 : 115.27

## Dissolved Organic/Inorganic Carbon

Component	Method Code	QC 1656	QC 1611
Dissolved Inorganic Carbon	TM090	<b>106.0</b> 91.15 : 111.35	<b>100.0</b> 91.15 : 111.35
Dissolved Organic Carbon	TM090	<b>102.0</b> 94.18 : 111.18	<b>102.0</b> 94.18 : 111.18

## EPH CWG (Aliphatic) GC (S)

Component	Method Code	QC 1626
Total Aliphatics >C12-C35	TM173	<b>86.25</b> 70.76 : 104.69

## EPH CWG (Aromatic) GC (S)

Component	Method Code	QC 1626
Total Aromatics >EC12-EC35	TM173	<b>80.67</b> 68.16 : 102.29

## GRO by GC-FID (S)



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## GRO by GC-FID (S)

Component	Method Code	QC 1604	QC 1630
Benzene by GC (Moisture Corrected)	TM089	<b>105.0</b> 78.80 : 119.54	<b>108.5</b> 83.15 : 118.53
Ethylbenzene by GC (Moisture Corrected)	TM089	<b>109.5</b> 78.42 : 121.07	<b>114.0</b> 81.56 : 117.75
m & p Xylene by GC (Moisture Corrected)	TM089	<b>110.0</b> 77.69 : 121.76	<b>114.0</b> 80.40 : 118.80
MTBE GC-FID (Moisture Corrected)	TM089	<b>110.0</b> 77.69 : 125.19	<b>110.0</b> 83.25 : 126.67
o Xylene by GC (Moisture Corrected)	TM089	<b>109.5</b> 77.88 : 121.47	<b>111.5</b> 80.82 : 119.41
QC	TM089	<b>91.67</b> 69.62 : 106.27	<b>83.5</b> 66.35 : 110.89
Toluene by GC (Moisture Corrected)	TM089	<b>109.5</b> 78.31 : 121.42	<b>113.5</b> 83.39 : 118.40

## GRO by GC-FID (W)

Component	Method Code	QC 1649	QC 1608
Benzene by GC	TM245	<b>101.0</b> 79.13 : 118.84	<b>99.5</b> 79.13 : 118.84
Ethylbenzene by GC	TM245	<b>103.0</b> 79.54 : 115.99	<b>100.0</b> 79.54 : 115.99
m & p Xylene by GC	TM245	<b>103.25</b> 78.44 : 116.32	<b>98.75</b> 78.44 : 116.32
MTBE GC-FID	TM245	<b>103.0</b> 81.43 : 120.09	<b>103.5</b> 81.43 : 120.09
o Xylene by GC	TM245	<b>101.5</b> 76.85 : 120.29	<b>99.0</b> 76.85 : 120.29
QC	TM245	<b>91.15</b> 78.36 : 134.92	<b>86.01</b> 78.36 : 134.92
Toluene by GC	TM245	<b>104.5</b> 79.00 : 121.96	<b>102.5</b> 79.00 : 121.96

## Hexavalent Chromium (s)

Component	Method Code	QC 1643	QC 1655	QC 1679	QC 1631
Hexavalent Chromium	TM151	<b>94.0</b> 90.20 : 107.00	<b>100.0</b> 90.20 : 107.00	<b>98.0</b> 90.20 : 107.00	<b>96.0</b> 90.20 : 107.00

## Mercury Dissolved

Component	Method Code	QC 1659	QC 1675	QC 1649
Mercury Dissolved (CVAf)	TM183	<b>101.0</b> 73.51 : 120.83	<b>98.5</b> 73.51 : 120.83	<b>99.0</b> 73.51 : 120.83

## Metals in solid samples by OES



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## Metals in solid samples by OES

Component	Method Code	QC 1626	QC 1675	QC 1645	QC 1606
Aluminium	TM181	<b>97.78</b> 80.01 : 112.97	<b>91.11</b> 75.13 : 109.48	<b>88.89</b> 80.01 : 112.97	<b>94.81</b> 75.13 : 109.48
Antimony	TM181	<b>102.32</b> 84.48 : 118.55	<b>98.07</b> 84.48 : 110.90	<b>104.63</b> 84.48 : 118.55	<b>101.54</b> 84.48 : 110.90
Arsenic	TM181	<b>99.74</b> 87.69 : 109.58	<b>95.89</b> 83.14 : 108.73	<b>96.4</b> 87.69 : 109.58	<b>96.66</b> 83.14 : 108.73
Barium	TM181	<b>100.78</b> 81.38 : 110.22	<b>95.31</b> 77.47 : 102.53	<b>94.53</b> 81.38 : 110.22	<b>99.22</b> 77.47 : 102.53
Beryllium	TM181	<b>96.58</b> 85.83 : 108.41	<b>96.58</b> 84.19 : 106.77	<b>96.23</b> 85.83 : 108.41	<b>98.63</b> 84.19 : 106.77
Boron	TM181	<b>92.94</b> 79.20 : 103.75	<b>89.55</b> 76.55 : 106.69	<b>86.16</b> 79.20 : 103.75	<b>91.81</b> 76.55 : 106.69
Cadmium	TM181	<b>97.87</b> 88.34 : 110.05	<b>99.47</b> 86.37 : 111.59	<b>101.06</b> 88.34 : 110.05	<b>98.94</b> 86.37 : 111.59
Chromium	TM181	<b>104.64</b> 81.29 : 118.71	<b>98.31</b> 81.29 : 118.71	<b>98.73</b> 81.29 : 118.71	<b>98.52</b> 81.29 : 118.71
Cobalt	TM181	<b>98.12</b> 87.71 : 110.26	<b>97.81</b> 85.45 : 109.14	<b>98.12</b> 87.71 : 110.26	<b>98.75</b> 85.45 : 109.14
Copper	TM181	<b>97.96</b> 85.64 : 106.59	<b>94.76</b> 81.33 : 103.33	<b>93.74</b> 85.64 : 106.59	<b>95.49</b> 81.33 : 103.33
Iron	TM181	<b>106.94</b> 81.99 : 118.01	<b>97.22</b> 82.44 : 111.71	<b>100.69</b> 81.99 : 118.01	<b>100.69</b> 82.44 : 111.71
Lead	TM181	<b>91.7</b> 82.55 : 105.90	<b>94.26</b> 83.33 : 106.95	<b>98.3</b> 82.55 : 105.90	<b>97.23</b> 83.33 : 106.95
Manganese	TM181	<b>94.95</b> 82.29 : 105.35	<b>93.94</b> 80.56 : 102.33	<b>87.68</b> 82.29 : 105.35	<b>94.75</b> 80.56 : 102.33
Mercury	TM181	<b>101.18</b> 87.62 : 110.64	<b>100.39</b> 84.13 : 111.85	<b>98.43</b> 87.62 : 110.64	<b>101.18</b> 84.13 : 111.85
Molybdenum	TM181	<b>98.46</b> 86.47 : 109.19	<b>98.07</b> 84.19 : 110.39	<b>96.91</b> 86.47 : 109.19	<b>98.84</b> 84.19 : 110.39
Nickel	TM181	<b>98.37</b> 87.43 : 110.63	<b>97.44</b> 84.19 : 109.77	<b>96.97</b> 87.43 : 110.63	<b>98.14</b> 84.19 : 109.77
Phosphorus	TM181	<b>95.21</b> 77.53 : 107.97	<b>95.21</b> 73.47 : 116.86	<b>94.16</b> 77.53 : 107.97	<b>95.81</b> 73.47 : 116.86
Selenium	TM181	<b>99.7</b> 86.31 : 108.23	<b>95.85</b> 81.32 : 108.59	<b>96.44</b> 86.31 : 108.23	<b>98.22</b> 81.32 : 108.59
Strontium	TM181	<b>97.67</b> 82.37 : 105.96	<b>92.6</b> 84.70 : 105.87	<b>94.08</b> 82.37 : 105.96	<b>94.5</b> 84.70 : 105.87
Thallium	TM181	<b>97.27</b> 85.06 : 112.06	<b>94.14</b> 81.19 : 105.37	<b>96.09</b> 85.06 : 112.06	<b>94.92</b> 81.19 : 105.37
Tin	TM181	<b>96.45</b> 85.70 : 112.34	<b>97.87</b> 85.92 : 110.00	<b>100.35</b> 85.70 : 112.34	<b>100.0</b> 85.92 : 110.00
Titanium	TM181	<b>93.85</b> 80.40 : 114.25	<b>88.46</b> 73.44 : 113.17	<b>86.15</b> 80.40 : 114.25	<b>93.08</b> 73.44 : 113.17
Vanadium	TM181	<b>95.4</b> 84.96 : 106.52	<b>92.33</b> 81.86 : 105.26	<b>91.1</b> 84.96 : 106.52	<b>93.87</b> 81.86 : 105.26
Zinc	TM181	<b>105.41</b> 87.17 : 108.73	<b>99.65</b> 85.64 : 110.14	<b>98.08</b> 87.17 : 108.73	<b>100.35</b> 85.64 : 110.14

## PAH by GCMS



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**PAH by GCMS**

Component	Method Code	QC 1680	QC 1684	QC 1603	QC 1658
Acenaphthene	TM218	<b>94.5</b> 82.09 : 110.18	<b>93.0</b> 82.09 : 110.18	<b>102.5</b> 78.17 : 114.45	<b>92.5</b> 82.60 : 105.38
Acenaphthylene	TM218	<b>91.5</b> 77.92 : 100.70	<b>91.5</b> 77.92 : 100.70	<b>87.0</b> 73.70 : 105.55	<b>88.0</b> 73.64 : 111.66
Anthracene	TM218	<b>91.0</b> 79.96 : 103.02	<b>91.0</b> 79.96 : 103.02	<b>89.5</b> 50.58 : 133.35	<b>87.5</b> 73.49 : 107.13
Benz(a)anthracene	TM218	<b>105.5</b> 80.00 : 122.30	<b>105.5</b> 80.00 : 122.30	<b>108.5</b> 73.03 : 124.35	<b>102.0</b> 82.35 : 116.46
Benzo(a)pyrene	TM218	<b>106.0</b> 86.92 : 126.33	<b>107.0</b> 86.92 : 126.33	<b>110.5</b> 76.86 : 123.01	<b>103.5</b> 83.39 : 123.49
Benzo(b)fluoranthene	TM218	<b>99.5</b> 84.53 : 122.14	<b>99.5</b> 84.53 : 122.14	<b>103.5</b> 75.92 : 130.86	<b>95.5</b> 80.60 : 126.56
Benzo(ghi)perylene	TM218	<b>94.5</b> 77.49 : 119.12	<b>92.5</b> 77.49 : 119.12	<b>100.5</b> 80.30 : 117.80	<b>95.0</b> 83.13 : 118.94
Benzo(k)fluoranthene	TM218	<b>101.0</b> 88.94 : 117.08	<b>100.5</b> 88.94 : 117.08	<b>104.5</b> 81.49 : 113.89	<b>98.5</b> 87.91 : 119.03
Chrysene	TM218	<b>102.5</b> 87.67 : 116.32	<b>101.0</b> 87.67 : 116.32	<b>105.5</b> 77.31 : 114.50	<b>101.0</b> 85.34 : 115.46
Dibenzo(ah)anthracene	TM218	<b>102.0</b> 85.66 : 119.61	<b>101.0</b> 85.66 : 119.61	<b>107.5</b> 77.77 : 118.30	<b>103.0</b> 82.98 : 121.47
Fluoranthene	TM218	<b>96.0</b> 84.49 : 109.33	<b>95.5</b> 84.49 : 109.33	<b>92.0</b> 80.77 : 108.59	<b>90.5</b> 82.03 : 107.26
Fluorene	TM218	<b>98.0</b> 84.28 : 107.54	<b>97.0</b> 84.28 : 107.54	<b>98.5</b> 79.13 : 110.70	<b>94.5</b> 81.48 : 108.26
Indeno(123cd)pyrene	TM218	<b>103.0</b> 86.46 : 120.70	<b>102.0</b> 86.46 : 120.70	<b>109.5</b> 78.65 : 117.12	<b>103.0</b> 84.02 : 120.55
Naphthalene	TM218	<b>96.0</b> 82.88 : 115.56	<b>94.5</b> 82.88 : 115.56	<b>97.5</b> 77.09 : 108.37	<b>95.5</b> 84.06 : 108.38
Phenanthrene	TM218	<b>94.0</b> 81.59 : 110.61	<b>92.5</b> 81.59 : 110.61	<b>96.0</b> 76.02 : 112.05	<b>90.0</b> 78.68 : 107.87
Pyrene	TM218	<b>95.0</b> 83.25 : 107.60	<b>94.5</b> 83.25 : 107.60	<b>91.0</b> 79.98 : 107.66	<b>90.5</b> 79.66 : 106.32

**PAH in waters by GC-MS (diss.filt)**

Component	Method Code	QC 1622
Acenaphthene (diss.filt)	TM178	82.20 : 117.00
Acenaphthylene (diss.filt)	TM178	85.28 : 115.28
Anthracene (diss.filt)	TM178	63.28 : 135.04
Benzo(a)anthracene (diss.filt)	TM178	76.96 : 118.96
Benzo(a)pyrene (diss.filt)	TM178	78.60 : 123.96
Benzo(b)fluoranthene (diss.filt)	TM178	83.60 : 123.44
Benzo(g,h,i)perylene (diss.filt)	TM178	79.12 : 112.96
Benzo(k)fluoranthene (diss.filt)	TM178	84.60 : 146.28
Chrysene (diss.filt)	TM178	79.00 : 124.84



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**PAH in waters by GC-MS (diss.filt)**

		QC 1622
Dibenzo(a,h)anthracene (diss.filt)	TM178	73.28 : 112.88
Fluoranthene (diss.filt)	TM178	77.08 : 123.88
Fluorene (diss.filt)	TM178	85.08 : 112.68
Indeno(1,2,3-cd)pyrene (diss.filt)	TM178	77.84 : 104.72
Naphthalene (diss.filt)	TM178	83.48 : 122.12
Phenanthrene (diss.filt)	TM178	80.12 : 119.96
Pyrene (diss.filt)	TM178	76.18 : 128.26

**pH**

Component	Method Code	QC 1672	QC 1685	QC 1615	QC 1651
pH	TM133	<b>101.3</b> 99.25 : 102.83	<b>101.3</b> 99.25 : 102.83	<b>102.08</b> 99.63 : 103.42	<b>101.69</b> 99.63 : 103.42

**pH Value of Filtered Water**

Component	Method Code	QC 1669	QC 1628
pH Value of Filtered Water	TM256	<b>101.21</b> 99.73 : 102.16	<b>100.4</b> 99.73 : 102.16

**Phenols by HPLC (S)**

Component	Method Code	QC 1637	QC 1679	QC 1600
2,3,5 Trimethyl-Phenol by HPLC (S)	TM062 (S)	<b>89.61</b> 70.10 : 89.90	85.25 : 114.75	<b>98.7</b> 85.25 : 114.75
2-Isopropyl Phenol by HPLC (S)	TM062 (S)	<b>88.3</b> 84.69 : 104.79	75.71 : 124.29	<b>88.89</b> 75.71 : 124.29
Catechol by HPLC (S)	TM062 (S)	<b>74.29</b> 24.84 : 108.44	64.10 : 135.90	<b>61.9</b> 64.10 : 135.90
Cresols by HPLC (S)	TM062 (S)	<b>87.89</b> 72.20 : 110.60	78.85 : 107.41	<b>94.99</b> 78.85 : 107.41
Napthol by HPLC (S)	TM062 (S)	<b>111.43</b> 91.99 : 139.23	75.62 : 124.38	<b>107.14</b> 75.62 : 124.38
Phenol by HPLC (S)	TM062 (S)	<b>111.26</b> 82.00 : 107.15	79.53 : 120.47	<b>109.93</b> 79.53 : 120.47
Resorcinol HPLC (S)	TM062 (S)	<b>135.85</b> 96.51 : 136.70	86.85 : 145.65	<b>149.69</b> 86.85 : 145.65
Xylenols by HPLC (S)	TM062 (S)	<b>96.46</b> 82.47 : 110.25	84.65 : 109.70	<b>100.62</b> 84.65 : 109.70

**Phenols by HPLC (W)**



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## Phenols by HPLC (W)

Component	Method Code	QC 1621
2,3,5 Trimethyl-Phenol by HPLC (W)	TM259	<b>98.0</b> 89.00 : 113.00
2-Isopropyl Phenol by HPLC (W)	TM259	<b>104.0</b> 95.00 : 113.00
Cresols by HPLC (W)	TM259	<b>95.33</b> 84.57 : 102.57
Napthol by HPLC (W)	TM259	<b>104.0</b> 108.80 : 126.80
Phenol by HPLC (W)	TM259	<b>101.0</b> 89.00 : 107.00
Xylenols by HPLC (W)	TM259	<b>103.17</b> 88.83 : 112.83

## Total Organic Carbon

Component	Method Code	QC 1678	QC 1685
Total Organic Carbon	TM132	<b>100.46</b> 75.74 : 101.50	<b>102.28</b> 75.74 : 101.50

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.  
 The figure detailed is the percentage recovery result for the AQC.  
 The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.



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## Appendix

## General

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH<sub>4</sub> by the BRE method, VOC TICs and SVOC TICs.

2. Samples will be run in duplicate upon request, but an additional charge may be incurred

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

6. When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.

9. NDP - No determination possible due to insufficient/unsuitable sample.

10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals - total metals must be requested separately.

11. Results relate only to the items tested.

12. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

13. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%, they are generally wider for volatiles analysis, 50-150%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

14. **Product analyses** - Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.

15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethylphenol, 3,5 Dimethylphenol).

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 15).

17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

20. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

21. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

24. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

## Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Holding time exceeded before sample received
5	Samples exceeded holding time before preservation was performed
§	Sampled on date not provided
◆	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to sampled on date
&	Sample Holding Time exceeded - Late arrival of instructions.

## Asbestos

### Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

### Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

**Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.**

**The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.**