

**PENZANCE DRY DOCK (2009) LTD**

**PENZANCE DRY DOCK  
PENZANCE TR18 4BW**

**PRELIMINARY INVESTIGATION REPORT**

**Contract: 24093**

**Date: July 2024**

**REGISTERED OFFICE**

9 BROAD STREET  
TRURO CORNWALL  
TR1 1JD UK

**KARN GEOSERVICES LTD**

Registered in the UK & Wales

Company Registration

No. 13414537

## **PRELIMINARY INVESTIGATION REPORT**

carried out at  
**PENZANCE DRY DOCK**  
**PENZANCE TR18 4BW**

Prepared for  
  
**PENZANCE DRY DOCK (2009) LTD**  
**c/o MBA Consulting**  
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Contract: 24093

Date: July 2024

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## EXECUTIVE SUMMARY

The following information provides a summary of the main findings of the investigation (ref: 24093/PIR dated July 2024). No reliance should be placed on this summary alone, the referenced report must be read and understood in its entirety to put the information contained herein into context.

Commissioning and purpose of assessment	Karn Geoservices Ltd was commissioned by MBA Consulting to carry out a Preliminary Investigation Report (PIR) at Penzance Dry Dock, Wharf Road, Penzance, TR18 4BW and grid reference SW 47570 30090. The overall aim of the project was to assess land contamination sources and geotechnical constraints to the proposed development.
<b>DESK-BASED ASSESSMENT</b>	
Site description and proposed development	The site currently comprises a dry dock with shipbuilding yard and industrial buildings, it occupies an area of 0.43 hectares and the proposed development will comprise the Installation of a 50-tonne crane on steel rails within the dry dock along with restoration work, improvements to the existing warehouse and office buildings, and the demolition and construction of a new toilet block and carpentry building.
History of site and surrounding area	<p>The site is first shown to comprise two dry docks along with three capstans. The southern boundary of the site crosses through a bonded store. A number of other industrial buildings are present around the southern and western boundaries as well as on the eastern side of the site. The northern and eastern sides of the site are covered by rock, showing high water mark and ordinary tide lines. The 1877-1879 map labels a building in the south of the site at a smithy.</p> <p>From 1908 The two previously mentioned dry docks are no longer shown and one graving dock is shown in the north of the site. The northern and western parts of the site previously shown as rock/foreshore are now shown as land. Extensions to the industrial buildings in the southwest corner of the site have taken place. The 1936 plan shows additional industrial buildings in the southwest of the site. The 1962-1963 map lists the buildings on site as a works. From the 1989 to 1999 map the site is now shown to comprise of a shipbuilding yard and dry dock. No further observable changes to the site have been noted until the most recently published map dated 2024.</p>

Site reconnaissance findings	The research has identified evidence of potential hazards associated with underlying ground conditions, either natural or man-made, and therefore it is recommended that further work be carried out to confirm the presence, nature or extent of those hazards anticipated to impact on the site.
Geology and environmental setting	The site is underlain by the Mylor Slate Formation described as Dark grey, locally green-grey slates, interbedded with thin bands and laminae of sandstone, graded and locally cross-bedded siltstone, basic lavas and sedimentary breccias. The metamorphic bedrock formed between 382.7 and 358.9 million years ago during the Devonian period. With reference to the current site use there has been significant previous construction, including infilling of historical dry docks on the site and therefore the presence of Made Ground is also likely.
Geotechnical constraints assessment	The research has identified evidence of potential hazards associated with underlying ground conditions, either natural or man-made, and therefore it is recommended that further work be carried out to confirm the presence, nature or extent of those hazards anticipated to impact on the site.
Initial conceptual site model (CSM) and preliminary risk assessment (PRA)	Potentially complete contaminant linkages identified with a risk estimate of very low to moderate risk of contamination associated with Made Ground, background geochemistry, Dry dock/Ship/boatbuilding yard and Radon onsite. Uncertainties and data gaps have been identified in the CSM at desk study stage and considered in the design of the intrusive investigation.
Recommendations for further work	<p>The following scope of works is suggested in order to collect the required data:</p> <ul style="list-style-type: none"> <li>• The sinking of exploratory holes for the recovery of samples for geotechnical and chemical contamination analysis.</li> <li>• Installation of full radon protection measures.</li> </ul>

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## **1.0 INTRODUCTION**

### **1.1 General**

On the instructions of MBA Consulting, consulting engineers to Penzance Dry Dock (2009) Ltd, a Preliminary Investigation in the form of a desk study and site reconnaissance has been carried out in order to assess the potential hazards on and adjacent to the site and prepare a risk assessment for further consideration.

The site boundary and current site layout are shown in Appendix 1, Figures A1.1 and A1.2. The project was carried out to an agreed brief as set out in Karn Geoservices Ltd proposal (Ref. Q0704, dated April 2024).

This report has been prepared for the sole use of the Client for the purpose described and no extended duty of care to any third party is implied or offered. Third parties using any information contained within this report do so at their own risk.

It is recommended that a copy of this report be submitted to the relevant authorities to enable them to carry out their own site assessment and provide any comments.

The comments given in this report and the opinions expressed herein are based on the information obtained from the desk study and site reconnaissance. No intrusive investigation has been carried out to confirm the actual ground or environmental conditions.

Any risks identified in this report are perceived risks based on information reviewed. Actual risks can only be assessed following a physical investigation of the site. This report has been based, in part, on information supplied by others. The report has been prepared on the basis of that information being accurate.

The conclusions presented in this report are based on the guidance available at the time of preparation of the report. No liability can be accepted for the retrospective effects of any changes or amendments to legislation or guidance.

This Preliminary Investigation has been conducted in general accordance with CLR 3, ref. 8.1, CLR 11, ref 8.2, BS 10175, ref 8.3, and GPLC 1, ref 8.4. A brief summary of relevant legislation and policy relating to contaminated land is given in Appendix 3.

## **1.2 Proposed Development**

It is understood the proposed development will comprise the Installation of a 50-tonne crane on steel rails within the dry dock along with restoration work, improvements to the existing warehouse and office buildings, and the demolition and construction of a new toilet block and carpentry building. A planned layout of the site has not been provided to KGL at the time of writing.

## **1.3 Objectives**

The objective of the work is:

- to identify any land contamination and/or geotechnical constraints to the proposed development and to support discharge of relevant planning conditions and relevant building control requirements.
- to identify the need for any additional investigation or remediation works to demonstrate that the site is suitable for its proposed use.

The scope of works for the assessment has included the following:

- review of the history of development on the site and surroundings, including a study of historical Ordnance Survey mapping and other sources of historical information via an environmental database.

- assessment of local geology, hydrogeology and surface water setting, including the identification of potential geological hazards including mining etc.
- assessment of the potential risks from historical mining activities obtained from a historical mining search.
- completion of a site reconnaissance survey to assess the visual condition of the site.
- development of an initial conceptual site model (CSM) identifying potential contaminant linkages for potential contaminants, completion of a preliminary risk assessment (PRA) and identification of key uncertainties and assumptions in the CSM.
- preliminary consideration of geotechnical constraints and hazards.

identification of the need for further action, e.g. intrusive investigations, if any.



## 2.0 SITE DETAILS

### 2.1 Site Location

Site location details are presented below in Table 1.

**Table 1: Site Location Details**

Site name	Penzance Dry Dock
Full site address and postcode	Penzance Dry Dock, Wharf Road, Penzance, TR18 4BW
National Grid Reference	SW 47570 30090

The site boundary and current site layout are shown in Appendix 1, Figures A1.1 and A1.2. The site is irregular in shape and covers an area of c. 0.43 hectares. At the time of the walkover survey the site comprised a dry dock and shipbuilding yard.

### 2.2 Site Walkover and Description

A site reconnaissance survey was completed on 23<sup>rd</sup> May 2024 by Karn Geoservices Ltd. The characteristics of the site observed during the walkover and from current ordnance Survey maps are summarised in Table 2.

A site layout plan is provided in Appendix 1, Figure A1.1 with photographic records included in Appendix 2 detailing the main features identified below.

Whilst the walkover summary includes consideration of current operations and housekeeping on the site as potential sources of contamination, it does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

**Table 2: Site Reconnaissance Findings**

<b>Feature</b>	<b>Description</b>
<b>Physical characteristics</b>	
Current Use	The site comprised a Shipbuilding yard and dry dock. The shipbuilding yard was located in the south and west of the site, and the dry dock being located to the centre of the site and extending in a northwest – southeast orientation. The remainder of the site comprised warehouse and office buildings with associated areas of concrete hard standing.
Access constraints	The site was accessible at the time of the walkover survey, via a metal gate on the site's eastern boundary.
Site topography	The site was generally level with the exception of the drydock. The dry dock was approximately 5-6m deep.
Surface cover	The site was covered by buildings and concrete hard standing. No areas of soft landscaping were present.
Site drainage	Evidence of drainage was observed on the site; however no detailed drainage surveys have been undertaken.
Surface water	The dry dock was open at the time of the walkover survey and therefore surface water was present on the site.
Trees and hedges	No significant vegetation was observed on the site.
Invasive species	Based upon the walkover survey obvious evidence of Japanese Knotweed or other invasive species has not been identified on-site. However, it should be noted that a detailed survey of the possible presence or absence of invasive species is outside of the scope of investigation and consideration should be given to commissioning a specialist survey, as necessary.
Existing buildings on-site	The western part of the site is largely covered by buildings comprising a large warehouse building used for boat building, repairs, and maintenance. The buildings are steel framed and clad with corrugated metal sheeting. Other buildings across the site included offices, a carpenters building, and storage buildings. These buildings were constructed of stone or block, with a mixture of pitched and flat roofs.
Retaining walls and adjacent buildings on or close to site boundary	Quay walls were observed around the site and forming the dry dock.
Basements on-site	No evidence of existing or infilled basements was observed.
Made ground, earthworks and quarrying	It is understood the site is partially reclaimed land and therefore significant thicknesses of Made Ground could be present.
Potentially unstable slopes on or close to site	None observed. The stability of the existing quay and dry dock is outside the scope of this report.
Buried and overhead services present	Evidence of buried water, drainage, electricity, and telecoms cables were observed on the site.

Feature	Description
Surrounding site uses	The site is located in Penzance within a commercial and residential setting. The site is surrounded by the Abbey Basin to the north, The Quay Road and Penzance Harbour to the east, and commercial and residential properties to the south and west.
<b>Environmental characteristics</b>	
Underground/ above ground storage tanks and pipework	A green plastic tank and IBC tanks were observed on the site
Potentially hazardous materials storage and use	Yes - storage of various boat building / maintenance supplies were observed across the site.
Asbestos-containing materials	No obvious asbestos containing materials were observed, however, a detailed survey of the buildings would be required to confirm the presence or otherwise of asbestos-containing materials.
Waste storage	Waste from the site is stored in wheelie bins, There were various skips for the boat building waste on site.
Fly-tipping	None observed
Electricity sub-stations/ transformers	None observed on or close to site
Evidence of possible land contamination on-site	Previous industrial/commercial use Waste storage and above ground tanks on site
Potential off-site sources of ground contamination	None observed

Potentially significant land contamination or geotechnical issues arising from the survey are summarised below.

- Sites previous industrial/commercial use
- Waste storage and above ground tanks on site
- Potential for significant Made Ground on site

## 2.3 Historical Maps

A review of the history of the site has been conducted based on readily available historical maps. Details of the findings are provided in Table 3 below. All maps are provided in Appendix 4.

**Table 3: Historical Map Summary**

Map, Date and Scale	Site Description	Regional Setting
Cornwall & Isles of Scilly 1878-1882 1:2500	The site is first shown to comprise two dry docks along with three capstans. The southern boundary of the site crosses through a bonded store. A number of other industrial buildings are present around the southern, western and eastern boundaries. The northern and eastern sides of the site are covered by rock, showing high water mark and ordinary tide lines.	The surrounding area comprises predominantly residential development, to the west and south. A harbour is shown immediately to the north and east of the site. A graveyard is shown 60m southwest of the site. A limekiln is shown 135m south of the site. Areas of rock are shown 175m south of the site with the coast beyond. A limekiln is shown 130m north of the site. Iron Foundries are shown 170m and 220m north of the site. A pier is shown from around 130m southeast to 275m east of the site.
Cornwall & Isles of Scilly 1877-1879 1: 500	One of the buildings in the south of the site is now labelled as a smithy.	There are no significant observable changes to the surrounding area since the previously published map.
Cornwall & Isles of Scilly 1887 1:10560	There are no significant observable changes to the site since the previously published map.	The larger scale map shows the site to be located within the town of Penzance with significant residential and industrial land use in the surrounding area. A gas works is shown 280m north of the site. A dispensary infirmary is shown around 880m northwest of the site. A Great Western Railway line and station are shown 230m north with the railway line running in a northeastern direction.
Cornwall & Isles of Scilly 1908 1:2500	The two previously mentioned dry docks are no longer shown and one graving dock is shown in the north of the site. The northern and western parts of the site previously shown as rock/foreshore are now shown as land. Extensions to the industrial buildings in the southwest corner of the site have taken place.	A dock and mooring posts are now shown 20m east of the site. A swing bridge is shown 22m northeast of the site. A smithy is located 120m north of the site. Further land has been reclaimed to the east of the site and a new pier has been constructed to form a dock.



<b>Map, Date and Scale</b>	<b>Site Description</b>	<b>Regional Setting</b>
Cornwall & Isles of Scilly 1909 1:10560	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
Cornwall & Isles of Scilly 1936 1:2500	Further industrial buildings are present in the southwest of the site.	St. Anthony Gardens and the Jubilee pool are now shown 130m and 180m south of the site respectively.
Cornwall & Isles of Scilly 1936 1:10560	There are no significant observable changes to the site since the previously published map.	Residential development has continued in the surrounding area. A mortuary is shown at 440m northwest of the site.
Cornwall & Isles of Scilly 1938 1:10560	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
Ordnance Survey Plan 1962-1963 1:2500	The buildings on site are now listed as a works	A store and a garage are located 15m and 50m south of the site respectively. A pond is shown 140m south of the site.
Ordnance Survey Plan 1963 1:10000	There are no significant observable changes to the site since the previously published map.	Residential development has continued in the surrounding area.
Ordnance Survey Plan 1968-1979 1:2500	There are no significant observable changes to the site since the previously published map.	An electrical sub-station is located 10m southwest of the site. Residential development has continued in the surrounding area.
Ordnance Survey Plan 1968 1:10000	There are no significant observable changes to the site since the previously published map.	A car park is shown 222m north of the site.
Supply of Unpublished Survey Information 1973-1975 1:2500	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the site since the previously published map.
Ordnance Survey Plan 1976 1:10000	There are no significant observable changes to the site since the previously published map.	Offices are now shown immediately northwest of the site. The partial map shows no other significant observable changes to the site since the previously published map.

Map, Date and Scale	Site Description	Regional Setting
Ordnance Survey Plan 1983 1:2500	There are no significant observable changes to the site since the previously published map.	The partial map shows no significant observable changes to the site since the previously published map.
Ordnance Survey Plan 1988-1989 1:1250	The site is now shown to comprise of a shipbuilding yard and dry dock.	Works are shown 50m south of the site. Tanks are shown 130m southeast of the site.
Ordnance Survey Plan 1991 1:2500	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1990 -1993 1:10000	There are no significant observable changes to the site since the previously published map.	Sporadic residential development has continued around the site.
Ordnance Survey Plan 1994 1:1250	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the site since the previously published map.
Historical Aerial Photography 1999 1:2500	The site is shown to be predominantly covered by a large industrial warehouse / shipbuilding yard, on the western side of the site. The eastern boundary is shown to be covered by the dry dock. More industrial buildings are shown on the southern boundary of the site.	The historical aerial photo shows the site to be in a highly developed residential area to the west, northwest and south. To the northeast of the site an area of sand can be seen. A harbour is shown to the southeast of the site with the sea being shown beyond this.
10k Raster Mapping 2000 1:10000	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
10k Raster Mapping 2003 1:10000	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
10k Raster Mapping 2006 1:10000	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the surrounding area since the previously published map.

Map, Date and Scale	Site Description	Regional Setting
10K Raster Mapping 2009 1:10000	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
10K Raster Mapping 2013 1:10000	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
10k Raster Mapping 2016 1:10000	There are no significant observable changes to the site since the previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
VectorMap Local 2024 1:10000	The most recently published map appears to be to be substantially accurate in comparison to the current setting.	The historical map appears to be substantially accurate in comparison to the current setting.
Relevant information sources: Historical OS maps <input checked="" type="checkbox"/> Town plans <input checked="" type="checkbox"/> Information from the Local Planning Authority <input type="checkbox"/> Aerial photography <input checked="" type="checkbox"/>		

**Note:** Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.

## 2.4 Historical Investigations /Anecdotal Evidence

Karn Geoservices Ltd are not aware of any previous reports or investigations having taken place on the site.

## 2.5 Preliminary Unexploded Ordnance Search

A review of publicly available unexploded ordnance (UXO) risk maps indicates that the site is located in an area with high potential for wartime bombs to be present (Zetica, 2024). It is recommended that a detailed UXO risk assessment is obtained prior to the commencement of groundworks unless previously done.

## 2.6 Summary

The site is first shown to comprise two dry docks along with three capstans. The southern boundary of the site crosses through a bonded store. A number of other industrial buildings are present around the southern and western boundaries as well as on the eastern side of the site. The northern and eastern sides of the site are covered by rock, showing high water mark and ordinary tide lines. The 1877–1879 map labels a building in the south of the site at a smithy.

From 1908 The two previously mentioned dry docks are no longer shown and one graving dock is shown in the north of the site. The northern and western parts of the site previously shown as rock/foreshore are now shown as land. Extensions to the industrial buildings in the southwest corner of the site have taken place. The 1936 plan shows additional industrial buildings in the southwest of the site. The 1962–1963 map lists the buildings on site as a works. From the 1989 to 1999 map the site is now shown to comprise of a shipbuilding yard and dry dock. No further observable changes to the site have been noted until the most recently published map dated 2024.



### 3.0 SITE SETTING

#### 3.1 Geological Setting

Details of the geology underlying the site have been obtained from the relevant geological map of the area, ref. 8.6.

**Superficial Deposits** – The geological map indicates there are no superficial deposits underlying the site.

**Made Ground** – With reference to the current site use there has been significant previous construction, including infilling of historical dry docks on the site and therefore the presence of Made Ground is likely.

**Bedrock** – The site is underlain by the Mylor Slate Formation described as Dark grey, locally green-grey slates, interbedded with thin bands and laminae of sandstone, graded and locally cross-bedded siltstone, basic lavas and sedimentary breccias. The metamorphic bedrock formed between 382.7 and 358.9 million years ago during the Devonian period.

#### 3.2 Hydrogeological Setting

A summary of the sites hydrogeological setting, with respect to the anticipated geological sequence set out in Section 3.1 is presented below in Table 4.

**Table 4: Summary of Hydrogeological setting**

Condition	Description
Aquifer characteristics	The site is underlain by a secondary A aquifer relating to the Mylor Slate Formation.
Historical implications for Hydrogeology	The site is partially formed of reclaimed land and has been used as a dry dock / ship building yard since the earliest available map. Groundwater on the site is likely to be tidal.
Licensed groundwater abstractions	The environmental database report indicates that there is one current licensed groundwater abstraction within 250m and relates to an abstraction from a well for laundry washing.

Condition	Description
Groundwater Vulnerability	The Envirocheck vulnerability map indicates the soil to be of high leaching potential. Soils of high leaching potential are soils that readily transmit liquid discharges because they are either shallow or susceptible to rapid by-pass flow directly to rock, gravel or groundwater.
Source protection zones	Information available in the Envirocheck report indicates that the site does not lie within a currently designated groundwater Source Protection Zone (SPZ).

### 3.3 Hydrological Setting

A summary of the hydrological setting of the site, with respect to the anticipated geological sequence set out in Section 3.1 is presented below in Table 5.

**Table 5: Summary of Hydrological setting**

Condition	Description
Surface watercourses/features	The nearest identified surface watercourse/feature to the site is the sea located immediately north of the site. The surface water can also flow onto site when the dry dock is open.
Surface water abstractions	There are no surface water abstractions identified by the environmental database, within a 250m radius of the site.
Site drainage	Evidence of drainage was observed on the site.
Preliminary flood risk assessment	The indicative floodplain map for the area, shows that the site lies within a flood zone 3 area indicating a low risk of surface water flooding and low risk of flooding from rivers and seas. The site is at very low risk of flooding from reservoirs and groundwater. The above flooding assessment excludes the dry dock which is intended to flood when the gates open.

<sup>1</sup> information obtained from <https://flood-map-for-planning.service.gov.uk>

### 3.4 Radon

The British Geological Survey, in conjunction with the Radiation Protection Division of the Health Protection Agency, ref. 8.7, indicates the site to lie within an area where there is a probability of 10% to 30% of present or future homes being above the action level of 200Bq/m<sup>3</sup>. As such, the site is classified as a Radon Affected Area.

Therefore, the guidance recommends that full radon protective measures should be installed in the proposed development in line with the Building Research Establishment, Report BR211, ref 8.8.

### 3.5 Soil Geochemistry

The British Geological Survey data indicates the following concentrations of naturally occurring metals to be representative of background levels in natural soil underlying the site.

The levels are based on those present in rural soils and are not necessarily representative of levels within Made Ground which may be encountered on site. The site background geochemistry is presented below in Table 6:

**Table 6: Summary of background geochemistry**

<b>Element</b>	<b>Concentration (mg/kg)</b>
Arsenic	45-60
Cadmium	<1.8
Chromium	60-90
Lead	100-200
Nickel	15-30

## 4.0 ASSESSMENT OF GEOTECHNICAL RISK

### 4.1 Geological Constraints

BS EN 1997-1 (ref. 8.9) defines three different Geotechnical Categories that structures may fall into, which are summarised as follows:

- Category 1: Small and relatively simple structures for which it is possible to ensure that the fundamental requirements will be satisfied on the basis of experience and qualitative geotechnical investigations; with negligible risk.
- Category 2: Conventional types of structure and foundation with no exceptional risk or difficult ground or loading conditions
- Category 3: Structures or part of structures, which fall outside limits of Geotechnical Categories 1 and 2. Examples include very large or unusual structures; structures involving abnormal risks, or unusual or exceptionally difficult ground or loading conditions; structures in highly seismic areas; structures in areas of probable site instability or persistent ground movements that require separate investigation or special measures.

Based on the information provided above on the proposed development and in view of the anticipated ground conditions, a Geotechnical Category of 2 has been assumed. This should be reviewed at all stages of the investigation and revised where necessary.

A summary of commonly occurring geotechnical hazards associated with the anticipated geology outlined in Section 3 above is given in Table 7 together with an assessment of whether the site may be affected by each of the stated hazards.

**Table 7: Summary of preliminary geotechnical risks that may affect site**

<b>Potential Hazard</b>	<b>Assessed Risk</b>	<b>Comment</b>
BGS Recorded Mineral Sites	None	–
Mining Instability	Very low	Refer to Appendix 5 and Section 4.3.
Quarrying	Very low	Refer to Appendix 5 and Section 4.3.
Man-Made or Natural Cavities	Very low	–
Collapsible Ground	Very low	The underlying geology is not generally prone to collapse.
Compressible Ground	None	–
Ground Dissolution	None	–
Landslide	Very low	The site topography and underlying geology indicate only a low risk of landslip subsidence.
Running Sand	None	–
Shrinking or Swelling Clay	None	–
Unconsolidated Made Ground	High	The site is partially formed of reclaimed land and therefore significant Made Ground is likely to be encountered.
Bearing Pressure	Low to moderate	Any Made Ground is likely to be an unsuitable founding stratum. The underlying natural strata is likely to provide a suitable bearing capacity.
Aggressive conditions for construction materials	Moderate to high	Underlying geology is not known to contain potentially high concentrations of sulphates and sulphides. However, any Made Ground presents a moderate risk.
Shallow or high groundwater table	Moderate	The site is located in an area where groundwater is tidally influenced. Given the location of the site shallow groundwater may be encountered.

## 4.2 Metalliferous Mining

An initial site appraisal has been carried out based on a historical mining search which has been undertaken by Westcountry Mines and Property Surveys and is included in Appendix 5.

The report details that the site, located to the southeast of the town centre lies within an historic mining area with sporadic underground and surface activity. This report undertakes to advise only on possible untoward past metalliferous mining features likely to present a future risk to ground and structural stability.

The property lies outside the highly mineralised and extensively worked zones of the formerly productive West Cornwall mining district and contains no major mineral deposits of economic importance. However, numerous small-scale mining and exploration trials have been carried out in this area. This early activity is mostly unrecorded, and mine plans are only available for some of the much later 19th Century deep workings.

There is little information and no mine plans of the very early underground workings in the Penzance area. However, the attached compilation plan presented in Appendix 5 helps to identify the known, indicated and suspected mining and geological features within this locality.

- As can be seen there are no recorded metalliferous mining features in the immediate vicinity of the site.
- The nearest known mining activity lies approximately 500 metres to the north of the property where a lode associated with the Lescudjack Mine was historically worked. Although nothing is known of this mine or of the results of the later trials, recent subsidence's near the railway station and in Albert Street, adjoining, suggests that mine workings of considerable extent may still exist beneath this now entirely built-up area.

- The Wherry Mine is recorded to have been located approximately 950 metres to the south southwest of the site.
- The early editions of the Ordnance Survey plans (circa 1880 and 1907) do show the site of the site to be undisturbed by any surface signs of past metalliferous mining activity.
- While there is no known evidence of deep underground workings in the immediate vicinity of the dwelling, the presence of unrecorded mining activity cannot be entirely ruled out.
- It is considered unlikely that future metalliferous mining operations would be carried out within this district.

It is indicated that the property is clear of known significant metalliferous mining activity. While mining features would not be expected, as in any mineralised area, there is always a possibility of future metalliferous mining related settlement, however in this instance Westcountry Mines and Property Surveys consider this an acceptable mining risk.

#### **4.3 Conclusions of Geotechnical Risk Assessment**

The research has identified evidence of potential hazards associated with underlying ground conditions, either natural or man-made, and therefore it is recommended that further work be carried out to confirm the presence, nature or extent of those hazards anticipated to impact on the site.

## 5.0 ENVIRONMENTAL SEARCHES

### 5.1 Potential Sources of Contamination

The Landmark Envirocheck Report was obtained by Karn Geoservices Ltd and includes site specific information. Entries have only been included within the table where they are located within a 250m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry which have the potential to give rise to the presence on site of contaminants. The findings are given in Table 8 below:

**Table 8: Summary of environmental permits, landfills and incidents**

Activity	On Site	Off Site (distance / direction)	Detail
Contaminated Land Register Entries	None	None within 250m	-
Discharge Consents	None	Fourteen between 0-250m	Closest at 1m west relates to sewage discharged from Penzance Dry dock into coastal waters. Issue date 18 <sup>th</sup> July 1997.
Integrated and Local Authority Pollution Prevention and Controls	None	None within 250m	-
Pollution Incidents to Controlled Waters	None	Four within 250m	Closest at 135m northeast relates to diesel being accidentally spilled into tidal waters. Dates 28 <sup>th</sup> February 1994.
Prosecutions Relating to Authorised Processes or Controlled Waters	None	None within 250m	-
Registered Radioactive Substances	None	None within 250m	-
Substantiated Pollution Incident Register	None	None within 250m	-
Water Abstractions	None	One between 0-250m	Closest at 162m northwest relates to a well for private water supply.
BGS Recorded Landfill Sites	None	None within 250m	-
Historical Landfill Sites	None	None within 250m	-



<b>Activity</b>	<b>On Site</b>	<b>Off Site (distance / direction)</b>	<b>Detail</b>
Licenced Waste Management Facilities	None	None within 250m	-
Local Authority Recorded Landfill Sites	None	None within 250m	-
Registered Landfill Sites	None	None within 250m	-
Potentially Infilled Land	None	One between 0-250m	Closest at 211m north relates to unknown filled ground (pond, marsh, river, stream, dock etc).
Registered Waste Transfer, Treatment or Disposal Sites	None	None within 250m	-
Hazardous Substances	None	None within 250m	-
Explosive Sites	None	None within 250m	-
Contemporary Trade Entries	None	Eighteen between 0-250m	Closest at 4m north relates to a Marine Engineering Equipment Manufacturers with an active status.
Fuel Station Entries	None	None within 250m	-

## 5.2 Sensitive Land Uses

Table 9 provides a summary of any environmentally sensitive areas identified within 500m of the site based on the environmental database report/other data source.

**Table 9: Environmentally Sensitive Areas**

<b>Feature</b>	<b>Present within 500m of site?</b>	<b>Details</b>	<b>Likely pathways from site?</b>
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	No	–	–
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	No	–	–
Local designations – Local Nature Reserve	No	–	–
Nearest high sensitivity development, e.g. residential	Yes	Residential properties close to site	No – A valid pathway is unlikely to exist.
Green Belt	No	–	–
Nitrate Vulnerable Zone	No	–	–

## **6.0 ASSESSMENT OF GEOENVIRONMENTAL RISK**

### **6.1 General**

The assessment undertaken by Karn Geoservices Ltd is based on the proposed development end use, taking account of present and previous use. It is based only on a review of historical maps, desk-based data and site reconnaissance; therefore it contains some elements of conjecture based on professional judgement. A comprehensive risk assessment can only be made following an intrusive investigation and testing regime.

The definition of 'contaminated land', along with the relevant details on legislation and guidance is set out in Appendix 3.

The assessment of potential risk has been based on the guidelines given in CIRIA report C552, ref 8.10. These guidelines are summarised in Appendix 3.

The assessment of environmental risk is aimed at identifying the possible risk, if any, arising from substances used or deposited on the site, or from any other sources of land contamination, based on the principles of the pollutant linkage.

### **6.2 Potential Sources of Contamination Identified**

Potential sources of soil and groundwater contamination identified from current activities and the history of the site and surrounding area are presented in Table 10.

Construction workers and future maintenance workers have not been identified in the conceptual site model as receptors because risks are considered to be managed through health and safety procedures according to the CDM Regulations.

Ecological receptors are only considered within the conceptual model in the context of statutory protected sites.

Table 10: Potential Sources of soil and groundwater contamination

Potential sources	Contaminants of concern	Viable Pollutant Linkage?	Rationale
<b>On site</b>			
Made Ground (i.e. fill material)	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, TPH, diesels, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos	Yes	The site is partly reclaimed land and has been re-developed multiple times. As such, there is likely to be significant Made Ground on the site. However the proposed refurbishment will not involve permanent removal of the existing hardstanding which entirely covers the site, providing separation of site users from contact with soil contaminants.
Use of site as a dry dock and ship building yard including storage of waste and tanks	Toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), TPH, diesels, Anti-corrosion and anti-fouling agents (i.e TBT), phenols, asbestos	Yes	The site has been used as a dry dock and ship/boat yard since the earliest available map. There is potential for contamination associated with the industrial activity. However, the proposed refurbishment will not involve permanent removal of the existing hard standing which entirely covers the site, providing separation of site users from contact with soil contaminants.
Heavy Metals	Toxic metals and phytotoxic metals	Yes	The Envirocheck data indicates elevated levels of heavy metals associated with the underlying geology. However the proposed refurbishment will not involve permanent removal of the existing hardstanding which entirely covers the site, providing separation of site users from contact with soil contaminants.

Off site			
Surrounding industrial activity including a garage, works, tanks, and smithy	Coal tars, PAHs, toxic and phytotoxic metals, inorganics e.g. cyanide, sulphide., sulphate, ammonia, volatile organic compounds e.g. BTEX, semi-volatile organic compounds (SVOCs) e.g. phenols, asbestos	No	The surrounding area has included significant industrial activity since the earliest available map; however, given the sites previous uses, the surrounding activities are unlikely to have impacted the site to a greater degree.
Discharge consent – 1m west	Toxic and phytotoxic metals, organic compounds	No	The discharge consent relates to the treated sewage effluent being discharged from the site. Despite the close proximity the discharge consent is active and a controlled process, therefore it is unlikely to affect the proposed development as the use will remain industrial.
Electrical sub-station – 10m southwest	PCBs	Yes	The electrical sub-station was first shown on the 1968–1979 map and therefore pre-dates the 1981 UK PCB ban. Given the distance from site and low mobility PCB contaminants it is unlikely to affect the proposed development.
Graveyard – 60m southwest	Toxic and phytotoxic metals, organic compounds, methane	No	The graveyard was on the first available map and the cemetery has not been in use since the 19 <sup>th</sup> Century. Given the time elapsed it is considered unlikely to affect the proposed development.

Pollution Incident – 135m northeast	Diesel	No	The incident occurred in 1994 and given the severity and time elapsed since the incident it is considered unlikely to affect the proposed development.
Water Abstraction – 162m northwest	Toxic metals and phytotoxic metals	No	The water abstraction is unlikely to affect the proposed development.
Potentially infilled land – 211m north	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos	No	Relates to infilled land / a refuse tip used to create a car park. Given the distance from site, age of infill, and waterbody separating the site, it is considered unlikely to affect the proposed development.
Iron Foundries – 170m & 220m north	Toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos	No	The foundries were present on the earliest available map and were no longer shown after 1908. Given the time elapsed and distance from site it is considered unlikely to affect the proposed development.

### 6.3 Ground Gas Generation Potential

Potential ground gas sources identified for the site and surrounding are shown in Table 11.

**Table 11: Potential ground gas sources**

Potential sources	Indicative ground gas generation potential (CIEH, 2008)	Additional information
<b>On-site</b>		
Radon	Moderate	The site is within a radon affected area where full radon protection measures are required.
Made ground with low degradable organic content (e.g. up to 5% organic material and no easily degradable waste).	Very low	The site is partially formed of reclaimed land however given the Made Ground is unlikely to contain significant organic or degradable material and therefore presents a very low risk.
<b>Off-site</b>		
Infilled land – 211m north	Very low	Given the distance from site, age of infill, and waterbody separating the site, it is considered unlikely to pose a significant risk to site users.

### 6.4 Potential Pathways Identified

The research has identified a number of potential pathways which are relevant to the potential sources of contamination identified above and may form part of a pollutant linkage.

Those identified are detailed within the Conceptual Site Model, along with the receptors relevant to the development on a site-specific basis.

### 6.5 Preliminary Risk Assessment

The preliminary risk assessment findings and potentially complete contaminant linkages are shown in the Conceptual Site Model in Table 12 below.

The risk classification based on the combination of hazard consequence and probability using a risk matrix from CIRIA C552 (ref. 8.10), a summary of which is included in Appendix 3.



Table 12: Risk estimation for potentially complete contaminant linkages

Potential source	Potential receptor	Possible Contaminants	Likelihood	Severity	Potential risk	Justification
Made Ground (i.e. fill material)	Site users, flora, fauna, construction materials	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, TPH, diesels, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos	Unlikely	Medium	Low risk	Phase II ground investigation to confirm ground conditions along with chemical testing prior to facilitate a generic quantitative risk assessment
Use of site as a ship building yard / smithy including storage of waste and tanks	Site users, flora, fauna, construction materials	Toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), TPH, diesels, Anti-corrosion and anti-fouling agents (i.e TBT), phenols, asbestos	Unlikely	Medium	Low risk	
Heavy Metals	Site users, flora, fauna, construction materials	Toxic metals and phytotoxic metals	Unlikely	Medium	Low risk	
Radon	Radon	Radon	High	Medium	High risk	Installation of Full radon protection measures will be required.

## 6.6 Summary of Geoenvironmental Risk Assessment

The research has identified evidence of potential sources of contamination on or which may impact on the site, with plausible pathways to the likely receptors, and therefore potential pollutant linkages have been suggested.

These potentially complete contaminant linkages need to be assessed further through appropriate site investigation to target the identified sources of potential contamination and assess the feasibility of identified pathways.

## 6.7 Data Gaps / Uncertainties

Key data gaps and uncertainties identified in the CSM at desk study stage include:

- gaps in available historical OS maps [1909–1936 and 1938–1963]
- site was developed before first published OS map and prior history not known
- there are no previous investigations available for the site, therefore no information on actual concentrations of contaminants in soil and groundwater at this stage
- groundwater depth and flow direction are conceptual at this stage

## 6.8 Consultation

During development, consultation may be required for a number of reasons with a number of regulatory Authorities. The following provides an indication as to the most likely Authorities with which consultation may be required:

- **Local Authority.** There may be a planning condition regarding contamination and consultation will be required with a designated Contaminated Land Officer within the Environmental Health

Department. The Local Authority is generally concerned with human health risks.

- **Environment Agency.** Where a site is within a groundwater protection zone or has been designated as a special site, the Environment Agency is likely to be involved to ensure that controlled waters are protected.
- **National House Building Council, NHBC.** Section 4.1 of the NHBC Standards, ref 8.11, requires land management to be addressed. For a new housing development to be approved by the NHBC, any contamination will require remediation accompanied by a validation report.

Based on the results of any consultation, there may be specific investigation and/or remediation requirements imposed by one or more of the Authorities.

## **7.0 RECOMMENDATIONS**

### **7.1 Further Work**

An intrusive investigation should be undertaken to address the issues raised in Chapter 4.0 and Chapter 6.0.

The following scope of works is suggested in order to collect the required data:

- The sinking of exploratory holes for the recovery of samples for geotechnical and chemical contamination analysis.
- The procurement of a detailed UXO risk assessment if required.
- Installation of full radon protection measures.

### **7.2 Other Considerations**

There are several other areas of research which are beyond the scope of this report. All or none of the following may be applicable to the site, either on the outcome of consultation with a regulatory body or as a result of the research for this Preliminary Investigation. They include:

#### **7.2.1 Archaeology**

Should the site be situated on or within an area of archaeological sensitivity, the advisor to the relevant local authority should be consulted. The requirement for an archaeological report may be identified within a planning condition, if appropriate, for the site.

#### **7.2.2 Ecology**

There may be a requirement for a detailed ecological report, dependant on the type or size of the development, or due to evidence identified during the site reconnaissance or desk study. This requirement may be identified within a planning condition, if appropriate, for the site

### **7.2.3 Unexploded Ordnance (UXO)**

There may be a requirement for a UXO report, dependant on the site location, historical use and surrounding site history, as well as the type or size of the development. This requirement may be identified within a planning condition.

## 8.0 REFERENCES

- 8.1 CLR 3, '*Documentary research on industrial sites*', Report by RPS Consultants Ltd, DoE, 1994
- 8.2 CLR 11, '*Model Procedures for the Management of Land Contamination*' Report by Defra and the Environment Agency, 2004
- 8.3 BS 10175: 2011 '*Investigation of potentially contaminated sites. Code of practice*', British Standards Institute, 2011
- 8.4 GPLC1, '*Guiding principles for land contamination*', Environment Agency, 2010
- 8.5 CLR 2, '*Guidance on preliminary site inspection of contaminated land*', Report by Applied Environmental, DoE, 1994
- 8.6 British Geological Survey website, Geology of Britain Viewer, <http://mapapps.bgs.ac.uk/geologyofbritain/home.html>
- 8.7 HPA-RPD-033, '*Indicative Atlas of Radon in England and Wales*', Health Protection Agency, 2007
- 8.8 BR211, '*Radon: Protective measures for new dwellings*'. BRE, 2007
- 8.9 BS EN 1997-1:2004 Eurocode 7: Geotechnical design. General rules (+A1:2013)
- 8.10 C552, '*Contaminated Land Risk Assessment, A Guide to Good Practice*', CIRIA, 2001
- 8.11 Multi-Agency Geographic Information for the Countryside website, <http://www.magic.gov.uk>
- 8.12 Standards, '*Land Quality - Managing Ground Conditions*', Chapter 4, NHBC, 2010
- 8.13 The Environmental Protection Act, Part IIA, Section 78, 1990
- 8.14 Environment Act 1995, Section 57, DoE, 1995
- 8.15 Planning Policy Statement 23: Planning and Pollution Control, ODPM, 2004
- 8.16 Science Report SC050021/SR2, '*Human health toxicological assessment of contaminants in soil*'. Environment Agency, 2009
- 8.17 Science Report SC050021/SR3, '*Updated technical background to the CLEA model*'. Environment Agency, 2009


## **APPENDIX 1**

### **DRAWINGS**








Date Drawn: 23/05/2025	Scale: NTS	Title: Aerial Photograph
	Project: Penzance Dry Dock	
	Client: MBA Consulting	
	Job No.: 24093	

**APPENDIX 2**  
**SITE WALKOVER PHOTOGRAPHS**





Date Drawn: 19/06/2024	Scale: NTS	Title: Site Walkover Photographs	
		Project: Penzance Dry Dock	
		Client: Penzance Dry Dock	
		Job No: 24093	





Date Drawn: 19/06/2024	Scale: NTS	Title: Site Walkover Photographs
<div>KARN GEOSERVICES</div>		Project: Penzance Dry Dock
		Client: Penzance Dry Dock
		Job No: 24093





Date Drawn:  
19/06/2024

Scale: NTS

Title: Site Walkover Photographs

Project: Penzance Dry Dock


Client: Penzance Dry Dock

Job No: 24093

**KARN**  
GEOSERVICES






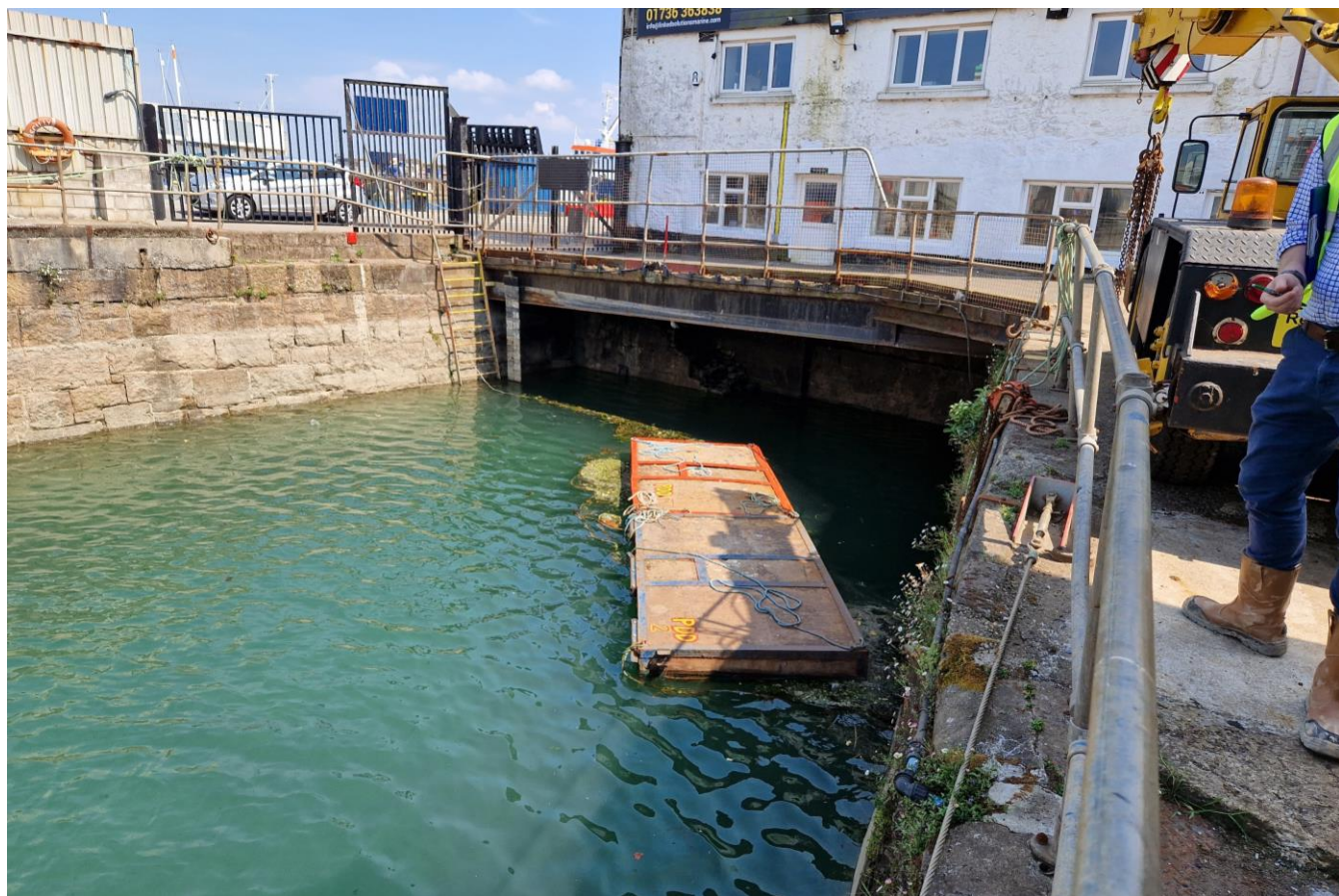
Date Drawn: 19/06/2024	Scale: NTS	Title: Site Walkover Photographs	
		Project: Penzance Dry Dock	
		Client: Penzance Dry Dock	
		Job No: 24093	






Date Drawn: 19/06/2024	Scale: NTS	Title: Site Walkover Photographs	
		Project: Penzance Dry Dock	
		Client: Penzance Dry Dock	
		Job No: 24093	





Date Drawn: 19/06/2024	Scale: NTS	Title: Site Walkover Photographs
		Project: Penzance Dry Dock
		Client: Penzance Dry Dock
		Job No: 24093



**APPENDIX 3**  
**ENVIRONMENTAL RISK**

## APPENDIX 3

### ENVIRONMENTAL RISK ASSESSMENT

#### 3.1 STATUTORY FRAMEWORK AND DEFINITIONS

The statutory definition of 'contaminated land' is defined in Part IIA of the Environmental Protection Act 1990, ref 8.13, which was inserted by Section 57 of the Environment Act 1995, ref 8.14, and came into force in England in 2000, as;

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

*(a) significant harm is being caused or there is a significant possibility of such harm being caused; or*

*(b) pollution of controlled waters is being, or is likely to be, caused'.*

The purpose of Part IIA was to help address the problems caused by historical contamination, with the voluntary remediation of such land encouraged without the use of the Act. The planning regime assists in this, with Planning Policy Statement 23: Planning and Pollution Control (PPS23), ref 8.15, published in 2004, setting out the minimum requirements for the remediation of land affected by contamination as *'after carrying out the development and commencement of its use, the land should not be capable of being determined as contaminated land under Part IIA of the EPA 1990'*.

The UK guidance on the assessment of contaminated has developed as a direct result of the introduction of these two Acts. The technical guidance supporting the legislation was originally summarised in a number of key documents collectively known as the Contaminated Land Reports (CLRs), a proposed series of twelve documents. Seven were originally published in March 1994, four more were published in April 2002, while the final guidance document, CLR 11 was published in 2004. CLR7 to 10 were withdrawn in 2008, with CLR 9 and 10 effectively replaced by the Environment Agency in the form of Science Reports SR2, ref 8.16 and SR3, ref 8.17.

CLR11 remains valid and sets out the framework of the investigation process, with the overall approach one of risk management, with risk given the definition of *'a combination of the probability or frequency, of occurrence of a defined hazard and the magnitude of the consequences of the occurrence'*. In establishing whether a site fulfils the statutory definition of 'contaminated land' it is necessary to identify whether the three essential elements of risk exist. These are defined as:

- A contaminant – a substance which is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters;
- A receptor – something which could be adversely affected by a contaminant, such as people, an ecological system, property or a water body; and
- A pathway – a route or means by which a receptor can be exposed to, or affected by, a contaminant.

A *'pollutant linkage'* may be defined as the link between a contaminant *'source'* and a *'receptor'* by means of a *'pathway'*. There may be none, one or many pollutant linkages existing on a site,

which may utilise the same or different sources, pathways and receptors, which may change over the passage of time.

Each pollutant linkage that exists in respect of the land in question must fulfil one or more of the following criteria:

- significant harm is being caused to the receptor in the pollutant linkage,
- there is a significant possibility of significant harm being caused to that receptor,
- there is (significant) pollution of controlled waters (the water environment) which constitute the receptor, or
- pollution of controlled waters is likely to be caused
- (there is a significant possibility of such pollution being caused).

A pollutant linkage indicates that all three elements have been identified. The site can only be defined as 'Contaminated Land' under Part IIA if a pollutant linkage exists and the criteria above are met.

The main potential receptors include:

- 1) Humans – current site occupants, construction workers, future site users and neighbouring site users.
- 2) Controlled Waters – surface water and groundwater resources
- 3) Property – including buildings, crops, livestock and pets
- 4) Ecological systems – including current/future site and neighbouring vegetation

The main potential pathways to be considered include:

- a) Ingestion and/or inhalation.
- b) Uptake of contaminants via cultivated vegetables.
- c) Dermal contact
- d) Migration through permeable strata
- e) Drains or services
- f) Direct contact with building materials and services
- g) Fire and explosion

### **3.2 ASSESSMENT METHODOLOGY**

The guidance proposes a four-stage assessment process for identifying potential pollutant linkages on a site. These stages are set out in the table below

No.	Process	Description
1	Hazard Identification	Establishing contaminant sources, pathways and receptors (the conceptual model).
2	Hazard Assessment	Analysing the potential for unacceptable risks (what linkages may be present and what could be the effects?).
3	Risk Estimation	Trying to establish the magnitude and probability of the possible consequences (what degree of harm might result and to what receptors, and how likely is it).
4	Risk Evaluation	Deciding whether the risk is unacceptable.

Stages 1 and 2 develop a '*conceptual model*' based upon information collated from desk based studies, and reconnaissance of the site (a walkover survey). The walkover survey should be conducted in general accordance with CLR 2. The formation of a conceptual model is an iterative process and as such, it should be updated and refined throughout each stage of the project to reflect any additional information obtained.

The extent of the desk based research and enquiries to be conducted should be in general accordance with CLR 3. The information from these enquiries is presented in a preliminary investigation report with recommendations, if necessary, for further work based upon the conceptual model. In the absence of specific information on contamination anticipated to be encountered, specific DoE 'Industry Profiles' provide guidance on the nature of contaminants relating to a variety of industrial processes and should be used as the basis for determining which contaminants are more likely to be present on a site.

If potential pollutant linkages are identified within the conceptual model, an intrusive ground investigation and report will be recommended. The investigation should be planned in general accordance with CLR 4, and BS10175. The number of exploratory holes and samples collected for analysis should be consistent with the size of the site and the level of risk envisaged. This will enable a generic quantitative risk assessment (GQRA) to be conducted, at which point the conceptual model can be updated and relevant pollutant linkages can be identified.

A two-stage investigation may be more appropriate where time constraints are less of an issue. The first stage investigation may be conducted as an initial assessment for the presence of potential sources, with the second being more refined in order to delineate or further characterise any contamination or the physical properties of the site.

### 3.3 RISK EVALUATION

The risk evaluation is a qualitative method for interpreting the data from the hazard estimation stage. It involves the classification of the:

- magnitude of the potential 'consequence' (severity) of the risk occurring and:
- magnitude of the 'probability' (likelihood) of the risk occurring.

These are defined in the following sections:

### 3.4 CLASSIFICATION OF CONSEQUENCE

Classification	Definition	Examples
<b>Severe</b>	Short-term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource. Catastrophic damage to buildings property. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem (note: the definitions of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000).	High Concentrations of cyanide on the surface of an informal recreation area.  Major spillage of contaminants from site into controlled water.  Explosion, causing building collapse can also equate to a short-term human health risk if buildings are occupied.
<b>Medium</b>	Chronic damage to Human Health ('significant harm' as defined in DETR, 2000). Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution). A significant change in a particular ecosystem, or organism forming part of such ecosystem, (note: the definitions of ecological systems within Draft Circular on Contaminated Land, DETR, 2000).	Concentrations of a contaminant from site exceed the generic, or site-specific assessment criteria.  Leaching of contaminants from a site to a major or minor aquifer.  Death of a species within a designated nature reserve.
<b>Mild</b>	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in the <i>Draft Circular on Contaminated Land</i> , DETR 2000). Damage to sensitive buildings/ structures/services or the environment.	Pollution of non-classified ground water.  Damage to building rendering it unsafe to occupy (eg foundation damage resulting in instability).
<b>Minor</b>	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc). Easily repairable effects of damage to buildings, structures and services.	The presence of contaminants at such concentrations that protective equipment is required during site works.  The loss of plants in landscaping scheme.  Discoloration of concrete

In theory, both severe and medium classification can result in death. The differential is that severe relates to short term risk while medium relates to long-term risk. Therefore, the classification of severe requires urgent action while medium may require urgent action but usually long term action would be sufficient.

### 3.5 CLASSIFICATION OF PROBABILITY

Classification	Definition
<b>High likelihood</b>	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution
<b>Likely</b>	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur.  Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
<b>Low likelihood</b>	There is a pollution linkage and circumstances are possible under which an event could occur  However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term
<b>Unlikely</b>	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term

For the purposes of this preliminary investigation, any source of contamination that has been identified by professional judgement as potentially impacting on the site has been classified as being 'likely' to be present, unless proven otherwise by intrusive investigation.

### 3.6 COMPARISON OF CONSEQUENCE AGAINST PROBABILITY

These classifications are compared to indicate the risk presented by each pollutant linkage. Once the consequence and probability have been classified they can be used to produce a risk category as below:

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Negligible risk

The action required for the classified risks are as follows:

<b>Very high risk</b>	<p>There is a high probability that severe harm could a risk to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening.</p> <p>This risk, if realised, is likely to result in a substantial liability.</p> <p>Urgent investigation (if not undertaken already) and remediation are likely to be required</p>
<b>High risk</b>	<p>Harm is likely to arise to a designated receptor from an identified hazard.</p> <p>Realisation of the risk is likely to present a substantial liability.</p> <p>Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term</p>
<b>Moderate risk</b>	<p>It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild</p> <p>Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term</p>
<b>Low risk</b>	<p>It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.</p>
<b>Very low risk</b>	<p>There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.</p>
<b>Negligible risk</b>	<p>There is no foreseeable risk of harm.</p>

**APPENDIX 4**  
**ENVIROCHECK REPORT**





# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

347772129\_1\_1

**Customer Reference:**

24093

**National Grid Reference:**

147570, 30090

**Slice:**

A

**Site Area (Ha):**

0.43

**Search Buffer (m):**

1000

### Site Details:

Penzance Dry Dock (2009) Ltd, Wharf Road

Penzance

TR18 4BW

### Client Details:

Miss L Quick

Karn Geoservices Ltd

9 Broad Street

Truro

Cornwall

TR1 1JD



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	22
Hazardous Substances	-
Geological	23
Industrial Land Use	28
Sensitive Land Use	-
Data Currency	41
Data Suppliers	47
Useful Contacts	48

## Introduction

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

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## Report Version v53.0



## Summary

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	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		14	11	4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 8	2	1		
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 9				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 9	Yes			
Pollution Incidents to Controlled Waters	pg 9		4	4	10
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 12		1		(*13)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 16	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 16	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 17	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 18	Yes	Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 18				23



## Summary

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 22	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 22		1		2
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					



## Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 23	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 25	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 25			1	1
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 26	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 26		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 27		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 27		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 27	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 27	Yes	n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 28		18	31	35
Fuel Station Entries	pg 35				2
Points of Interest - Commercial Services	pg 35			6	10
Points of Interest - Education and Health	pg 36				4
Points of Interest - Manufacturing and Production	pg 37		9	7	3
Points of Interest - Public Infrastructure	pg 38			3	17
Points of Interest - Recreational and Environmental	pg 40				8
Gas Pipelines					
Underground Electrical Cables					



## Summary

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



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	97	1	147650 30200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	146	1	147574 29900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	176	1	147500 30300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	204	1	147450 29900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	214	1	147550 30350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	258	1	147350 29900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	270	1	147400 29850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	293	1	147350 29850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	323	1	147650 30450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	338	1	147350 29800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	480	1	147700 30600
1	<b>Discharge Consents</b> Operator: Penzance Dry Dock & Engineering Co Ltd Property Type: MAKING OF OTHER TRANSPORT EQUIP/SHIPS/TRAINS/BIKES Location: Dry Dock, Wharf Road, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 300292/Fd/01 Permit Version: 1 Effective Date: 18th July 1997 Issued Date: 18th July 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Controlled Sea Receiving Water: Coastal Waters <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	A13NW (W)	1	2	147530 30105
1	<b>Discharge Consents</b> Operator: N Holman & Sons Ltd Property Type: Not Given Location: Dry Dock Premises Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 3052/4/8/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge Environment: Coastal Receiving Water: Licence Status: Lapsed, Revoked Or Cancelled <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	4	2	147530 30110



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: Undefined Or Other Location: Ross Bridge, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/58 Permit Version: 1 Effective Date: 15th October 1987 Issued Date: 15th October 1987 Revocation Date: 1st October 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay English Channel <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	A13NE (N)	9	2	147580 30140
2	<b>Discharge Consents</b> Operator: Mr K Hall Property Type: Not Given Location: Dockers Rest, Wharf Road, PENZANCE, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 3052/4/12/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay English Channel, Licence Status: Lapsed, Revoked Or Cancelled <b>Status:</b> <b>Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	17	2	147620 30110
3	<b>Discharge Consents</b> Operator: Mrs M Wareham Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Dockers Rest, Wharf Road, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 300387/Fd/01 Permit Version: 1 Effective Date: 26th June 1997 Issued Date: 26th June 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay English Channel <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 100m	A13NE (E)	15	2	147620 30105
3	<b>Discharge Consents</b> Operator: Mr K Hall Property Type: Not Given Location: Buccaneer Shell Shop, Wharf Road, PENZANCE, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 3052/4/11/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay, Licence Status: Lapsed, Revoked Or Cancelled <b>Status:</b> <b>Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	40	2	147640 30120





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: Undefined Or Other Location: Abbey Basin, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/57 Permit Version: 1 Effective Date: 15th October 1987 Issued Date: 15th October 1987 Revocation Date: 14th June 2000 Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay English Channel <b>Status: New Consent, by Application, granted by Secretary of State</b> Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	114	2	147490 30225
4	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: Undefined Or Other Location: Abbey Basin, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/57 Permit Version: 1 Effective Date: 15th October 1987 Issued Date: 15th October 1987 Revocation Date: 14th June 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay English Channel <b>Status: New Consent, by Application, granted by Secretary of State</b> Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	118	2	147490 30230
5	<b>Discharge Consents</b> Operator: South West Water Services Ltd. Property Type: Undefined Or Other Location: South Pier Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/59/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Crude Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay - English Channel, Licence Status: Lapsed, Revoked Or Cancelled <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	136	2	147700 29950
5	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Battery Rocks Overflow, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/61 Permit Version: 1 Effective Date: 15th October 1987 Issued Date: 15th October 1987 Revocation Date: 30th September 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay English Channel <b>Status: New Consent, by Application, granted by Secretary of State</b> Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	158	2	147680 29910



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<b>Discharge Consents</b> Operator: South West Water Services Ltd. Property Type: Not Given Location: Battery Rocks Outfall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/60/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay - English Channel, Licence Status: Lapsed, Revoked Or Cancelled <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	190	2	147710 29890
6	<b>Discharge Consents</b> Operator: Penwith District Council Property Type: Public Conveniences Location: Public Conveniences South Pier, PENZANCE, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 3052/4/10/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay, Licence Status: Lapsed, Revoked Or Cancelled <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	220	2	147810 29960
7	<b>Discharge Consents</b> Operator: South West Water Property Type: Sewerage Network - Sewers - Water Company Location: Albert Pier Cso, Wharf Road, Penzance, Cornwall, Tr18 2ng Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 302144 Permit Version: 2 Effective Date: 31st March 2012 Issued Date: 25th March 2010 Revocation Date: 25th February 2011 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay (C) <b>Status: Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	243	2	147772 30283
7	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Albert Pier Cso, Wharf Road, Penzance, Cornwall, Tr18 2ng Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 302144 Permit Version: 1 Effective Date: 1st April 2001 Issued Date: 1st April 2001 Revocation Date: 25th February 2011 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay (C) <b>Status: Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	243	2	147772 30283



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: Not Given Location: Albert Pier Pumping Station, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: NRA-SW-5354/1/21 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 27th January 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Coastal Receiving Water: Mounts Bay <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	286	2	147730 30375
8	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Albert Pier Pumping Station, Wharf Road, Penzance, Cornwall, Tr18 4uj Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: Nra-Sw-5354 Permit Version: 2 Effective Date: 31st March 2012 Issued Date: 25th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Controlled Sea Receiving Water: Mounts Bay <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	290	2	147730 30380
8	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Albert Pier Pumping Station, Wharf Road, Penzance, Cornwall, Tr18 4uj Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: Nra-Sw-5354 Permit Version: 2 Effective Date: 31st March 2012 Issued Date: 25th March 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Controlled Sea Receiving Water: Mounts Bay <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	290	2	147730 30380
8	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Albert Pier Pumping Station, Wharf Road, Penzance, Cornwall, Tr18 4uj Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: Nra-Sw-5354 Permit Version: 1 Effective Date: 27th January 1993 Issued Date: 27th January 1993 Revocation Date: 30th March 2012 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Controlled Sea Receiving Water: Mounts Bay <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	A13NE (NE)	290	2	147730 30380



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Albert Pier Pumping Station, Wharf Road, Penzance, Cornwall, Tr18 4uj Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: Nra-Sw-5354 Permit Version: 1 Effective Date: 27th January 1993 Issued Date: 27th January 1993 Revocation Date: 30th March 2012 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay <b>Status:</b> <b>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	A13NE (NE)	290	2	147730 30380
8	<b>Discharge Consents</b> Operator: South West Water Services Ltd. Property Type: Undefined Or Other Location: Albert Pier (Stone Culvert South) Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/56/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Crude Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay - English Channel, Licence Status: Lapsed, Revoked Or Cancelled <b>Status:</b> <b>Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	294	2	147730 30385
8	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: Undefined Or Other Location: Albert Pier, Stone Culvert North, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/55 Permit Version: 1 Effective Date: 15th October 1987 Issued Date: 15th October 1987 Revocation Date: 30th September 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay English Channel <b>Status:</b> <b>New Consent, by Application, granted by Secretary of State</b> Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	299	2	147730 30390
9	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: Undefined Or Other Location: Albert Pier Surface Water, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/54 Permit Version: 1 Effective Date: 15th October 1987 Issued Date: 15th October 1987 Revocation Date: 30th September 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Controlled Sea Environment: Receiving Water: Mounts Bay English Channel <b>Status:</b> <b>New Consent, by Application, granted by Secretary of State</b> Positional Accuracy: Located by supplier to within 100m	A18SE (N)	434	2	147670 30560



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<b>Discharge Consents</b> Operator: South West Water Services Ltd. Property Type: Undefined Or Other Location: Albert Pier Old Gas Works Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Mertherm Pt, Cornwall Reference: 2894/53/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Crude Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay - English Channel, Licence Status: Lapsed, Revoked Or Cancelled <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A18SE (N)	454	2	147670 30580
10	<b>Discharge Consents</b> Operator: South West Water Property Type: Sewerage Network - Pumping Station - Water Company Location: Chyandour Pscso/Eo, Wharf Road, Penzance, Cornwall, Tr18 2lt Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Mertherm Pt, Cornwall Reference: 301652 Permit Version: 2 Effective Date: 31st March 2012 Issued Date: 25th March 2010 Revocation Date: 25th February 2011 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Controlled Sea Environment: Receiving Water: English Channel (C) <b>Status: Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	A18SE (N)	499	2	147650 30630
10	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Chyandour Pscso/Eo, Wharf Road, Penzance, Cornwall, Tr18 2lt Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Mertherm Pt, Cornwall Reference: 301652 Permit Version: 1 Effective Date: 1st October 2000 Issued Date: 1st October 2000 Revocation Date: 25th February 2011 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Controlled Sea Environment: Receiving Water: English Channel (C) <b>Status: Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	A18SE (N)	499	2	147650 30630
11	<b>Discharge Consents</b> Operator: South West Water Services Ltd. Property Type: Not Given Location: Beachfield Overflow Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Mertherm Pt, Cornwall Reference: 2894/62/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay - English Channel, Licence Status: Lapsed, Revoked Or Cancelled <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	788	2	146940 29560



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<b>Discharge Consents</b> Operator: South West Water Services Ltd. Property Type: Not Given Location: Chyandour, CHYANDOUR Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/52/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay - English Channel, Licence Status: Lapsed, Revoked Or Cancelled <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	790	2	148030 30780
13	<b>Discharge Consents</b> Operator: South West Water Services Ltd. Property Type: Not Given Location: Chyandour Overflow SSO, CHYANDOUR Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: 2894/81/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Coastal Environment: Receiving Water: Mounts Bay English Channel, Licence Status: Lapsed, Revoked Or Cancelled <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A19NW (N)	918	2	147910 30990
14	<b>Discharge Consents</b> Operator: South West Water Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Wherrytown Stilling Pond, Penzance, Cornwall Authority: Environment Agency, South West Region Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Reference: Swwa 271 Permit Version: 1 Effective Date: 19th May 1983 Issued Date: 19th May 1983 Revocation Date: 1st October 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Larrigan River <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	A7NW (SW)	926	2	146810 29500
15	<b>Integrated Pollution Controls</b> Name: Penzance Shipyard Ltd Location: Wharf Road, PENZANCE, Cornwall, TR18 4BW Authority: Environment Agency, South West Region Permit Reference: BD5429 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.5 A (A) Coating processes and Printing within Miscellaneous Industries <b>Status: Authorisation revoked</b> Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	0	2	147592 30092
15	<b>Integrated Pollution Controls</b> Name: Penzance Shipyard Ltd Location: Wharf Road, PENZANCE, Cornwall, TR18 4BN Authority: Environment Agency, South West Region Permit Reference: AV1238 Dated: 8th September 1997 Process Type: IPC new application Description: 6.5 A (A) Coating processes and Printing within Miscellaneous Industries <b>Status: Authorisation superseded by a substantial or non substantial variation</b> Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	0	2	147592 30097





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<b>Integrated Pollution Controls</b> Name: Penzance Shipyard Ltd Location: Wharf Road, PENZANCE, Cornwall, TR18 4BW Authority: Environment Agency, South West Region Permit Reference: Bk4197 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.5 A (A) Coating processes and Printing within Miscellaneous Industries <b>Status: Application has met the requirements for authorisation (but not yet authorised)</b> Positional Accuracy: Automatically positioned to the address	A13NE (N)	4	2	147579 30135
16	<b>Local Authority Pollution Prevention and Controls</b> Name: Wherrytown Petrol Filling Station Location: Co-Op, Promenade, Penzance, Cornwall, Tr18 4np Authority: Cornwall Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status: Active</b> Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	923	3	146780 29543
16	<b>Local Authority Pollution Prevention and Controls</b> Name: Pioneer Service Station Location: Wherrytown, PENZANCE, Cornwall, TR18 Authority: Cornwall Council, Environmental Health Department Permit Reference: P024 Dated: 11th May 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station <b>Status: Authorised</b> Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	930	3	146786 29523
	<b>Nearest Surface Water Feature</b>	A13NW (N)	0	-	147562 30134
17	<b>Pollution Incidents to Controlled Waters</b> Property Type: Commercial Boat Or Ship Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Accidental Spillage/Leakage Incident Date: 28th February 1994 Incident Reference: 62010894 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Tidal Waters Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	135	2	147700 30200
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Mining/Extraction: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Mining Water Note: Miscellaneous/Other Pollution Type Incident Date: 31st August 1994 Incident Reference: 62015230 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Tidal Waters Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	177	2	147700 29900
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Mining Water Note: Deliberate Act Incident Date: 18th March 1994 Incident Reference: 62010901 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Tidal Waters Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	181	2	147700 29895



## Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Mining Water Note: Deliberate Act Incident Date: 12th August 1994 Incident Reference: 62015713 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Tidal Waters Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	246	2	147600 29800
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road (Road Traffic Accident) Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Waste Oil Note: Accidental Spillage/Leakage Incident Date: 24th September 1991 Incident Reference: 62004497 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	273	2	147300 30250
21	<b>Pollution Incidents to Controlled Waters</b> Property Type: Commercial Boat Or Ship Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 30th June 1992 Incident Reference: 62003597 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Tidal Waters Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	370	2	147500 30500
22	<b>Pollution Incidents to Controlled Waters</b> Property Type: Building Sites Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Other Note: Miscellaneous/Other Pollution Type Incident Date: 10th May 1993 Incident Reference: 62003894 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Tidal Waters Cause of Incident: Act Of God Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	380	2	147700 30495
22	<b>Pollution Incidents to Controlled Waters</b> Property Type: Building Sites Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Unknown Note: Deliberate Act Incident Date: 29th July 1993 Incident Reference: 62005821 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Tidal Waters Cause of Incident: Effluent Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	385	2	147700 30500
23	<b>Pollution Incidents to Controlled Waters</b> Property Type: Ships/Boats (Marine Waters) Location: Newlyn Bridge-Normal Tidal Limit, PENZANCE Authority: Environment Agency, South West Region Pollutant: Oils - Other Fuel Oil Note: Not Supplied Incident Date: 7th August 1996 Incident Reference: 17255 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Not Given Cause of Incident: Pollution Risk: Water Quality Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	530	2	147001 30001





## Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial: Other Location: Stable Hobba-Newlyn Bridge, PENZANCE Authority: Environment Agency, South West Region Pollutant: Chemicals - Detergents/Surfactant Note: Not Supplied Incident Date: 4th September 1996 Incident Reference: 17860 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Not Given Cause of Incident: Pollution Risk: Water Quality Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	531	2	147001 29996
24	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Other Note: Accidental Spillage/Leakage Incident Date: 8th December 1995 Incident Reference: 62011640 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Tidal Waters Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	567	2	147500 30700
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animals Note: Deliberate Act Incident Date: 5th June 1995 Incident Reference: 62009528 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Deliberate Action Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	872	2	147700 31000
26	<b>Pollution Incidents to Controlled Waters</b> Property Type: Building Sites Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Inadequate Design/Capacity Incident Date: 6th March 1993 Incident Reference: 62003839 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Act Of God Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	874	2	146800 29600
27	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Poor Operational Practise Incident Date: 15th June 1993 Incident Reference: 62003968 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Storm Water Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	926	2	146601 30001
28	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Weather Incident Date: 30th December 1993 Incident Reference: 62010774 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	943	2	146600 29900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<b>Pollution Incidents to Controlled Waters</b> Property Type: Surface Water Sewers Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor/Inadequate Maintenance Incident Date: 23rd August 1992 Incident Reference: 62003642 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	958	2	146700 29600
29	<b>Pollution Incidents to Controlled Waters</b> Property Type: Recreation & Sporting: Other Location: Boating Lake, Alexander Road, PENZANCE, Cornwall, TR18 Authority: Environment Agency, South West Region Pollutant: Organic Chemicals : Diesel Fuels Note: Not Supplied Incident Date: 7th May 1999 Incident Reference: 40642 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A7NW (SW)	961	2	146700 29595
30	<b>Pollution Incidents to Controlled Waters</b> Property Type: Miscellaneous Premises: Unknown Location: Heamoor-A30 Bridge At Chyandour, GULVAL Authority: Environment Agency, South West Region Pollutant: Miscellaneous - Colour Note: Not Supplied Incident Date: 17th August 1996 Incident Reference: 17464 Catchment Area: South Coast Streams: Loe Bar To Merthern Pt, Cornwall Receiving Water: Not Given Cause of Incident: Pollution Risk: Water Quality Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	963	2	148000 31000
31	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548024G091 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supply (Miscellaneous Water Bottling) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 27.30 Yearly Rate (m3): 8183.00 Details: Laundry Washing; Licences Set Up After 1965 But Now Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	162	2	147400 30200
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548024S017 Permit Version: Not Supplied Location: Mennaye Nurseries, PENZANCE Authority: Environment Agency, South West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1.20 Yearly Rate (m3): 455.00 Details: Larrigan River Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NW (W)	1002	2	146600 29700



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: BRITISH RAILWAYS Licence Number: 1548024S034 Permit Version: Not Supplied Location: Penzance Station, Workshops, PENZANCE Authority: Environment Agency, South West Region Abstraction: Industrial Processing ( Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 109.10 Yearly Rate (m3): 31818.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1065	2	147500 31200
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548024G032 Permit Version: Not Supplied Location: Eastern Green Caravan, Park, PENZANCE Authority: Environment Agency, South West Region Abstraction: Private Water Supply (Holiday Recreation/Hotels Etc) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 4.50 Yearly Rate (m3): 6546.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24SW (N)	1369	2	148100 31400
	<b>Water Abstractions</b> Operator: MESSRS TOMLIN BROS LTD Licence Number: 1548024S038 Permit Version: Not Supplied Location: Lands At, Polgoon, PENZANCE Authority: Environment Agency, South West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 104.50 Yearly Rate (m3): 1045.00 Details: Lapsed 29/9/89 Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1423	2	146100 30100
	<b>Water Abstractions</b> Operator: W & J WOOD Licence Number: 1548024S025 Permit Version: Not Supplied Location: Helnoweth Nurseries, Gulval, PENZANCE Authority: Environment Agency, South West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 47.70 Yearly Rate (m3): 2045.00 Details: 6546 Maybe Trickle Irrigation Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1668	2	147700 31800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: R J JELBERT Licence Number: 1548024S018 Permit Version: Not Supplied Location: Chyawdounce Farm , GULVAL Authority: Environment Agency, South West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1.20 Yearly Rate (m3): 455.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1678	2	147800 31800
	<b>Water Abstractions</b> Operator: MESSRS W & J WOOD Licence Number: 1548024S024 Permit Version: Not Supplied Location: Helnoweth Nurseries, GULVAL Authority: Environment Agency, South West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 47.70 Yearly Rate (m3): 2046.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1695	2	147900 31800
	<b>Water Abstractions</b> Operator: MR C B RICH Licence Number: 1548024G083 Permit Version: Not Supplied Location: Gobbens Farm , Gulval, PENZANCE, Cornwall Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 0.20 Yearly Rate (m3): 66.00 Details: Depth 10M Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1801	2	147200 31900
	<b>Water Abstractions</b> Operator: Mr Sadler Licence Number: 15/48/024/G/007 Permit Version: 100 Location: Boskenwyn Manor - Well Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boskenwyn Manor, Penzance. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th December 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1885	2	146900 31900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Mr Sadler Licence Number: 15/48/024/G/007 Permit Version: 100 Location: Boskenwyn Manor - Well Authority: Environment Agency, South West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Carne House, Penzance. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th December 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1885	2	146900 31900
	<b>Water Abstractions</b> Operator: Mr Sadler Licence Number: 15/48/024/G/007 Permit Version: 100 Location: Boskenwyn Manor - Well Authority: Environment Agency, South West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Carne Vean, Penzance. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th December 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1885	2	146900 31900
	<b>Water Abstractions</b> Operator: Mr Sadler Licence Number: 15/48/024/G/007 Permit Version: 100 Location: Boskenwyn Manor - Well Authority: Environment Agency, South West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Lodge, Penzance. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th December 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1885	2	146900 31900
	<b>Water Abstractions</b> Operator: CORNISH FRESHWATER FISH Licence Number: 1548024S059 Permit Version: Not Supplied Location: Little Rosemorran Fish Farm, PENZANCE Authority: Environment Agency, South West Region Abstraction: Agriculture (Pisciculture) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 2333.00 Yearly Rate (m3): 851472.00 Details: Rate Not Exc 0.027 Cumecs 12105 Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1899	2	147200 32000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (NW)	0	4	147574 30090
	<b>Groundwater Vulnerability - Soluble Rock Risk</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13SE (NW)	0	4	147574 30090
	<b>Superficial Aquifer Designations</b> No Data Available				
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	0	2	147579 30095
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	24	2	147562 30160
	<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 and Tidal / Coastal Events Boundary Accuracy: As Supplied	A13NW (NW)	64	2	147492 30162
	<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 / Coastal Events Boundary Accuracy: As Supplied	A13NW (NW)	65	2	147490 30162
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	82	2	147485 30182
	<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 / Coastal Events Boundary Accuracy: As Supplied	A13NW (NW)	87	2	147492 30195
	<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 / Coastal Events Boundary Accuracy: As Supplied	A13NW (NW)	108	2	147486 30216
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Coastal Events Boundary Accuracy: As Supplied	A13SE (SE)	121	2	147683 29956
	<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 and Coastal Events Boundary Accuracy: As Supplied	A13SE (SE)	121	2	147683 29956
	<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)	130	2	147676 29940
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Coastal Events Boundary Accuracy: As Supplied	A13SE (SE)	131	2	147675 29938





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: Coastal Events Boundary Accuracy: As Supplied	A13SE (SE)	132	2	147696 29951
	<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)	133	2	147696 29951
	<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)	146	2	147562 29903
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Coastal Events Boundary Accuracy: As Supplied	A13NW (N)	147	2	147528 30278
	<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 and Coastal Events Boundary Accuracy: As Supplied	A13NW (N)	147	2	147528 30278
	<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)	154	2	147676 29913
	<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 and Coastal Events Boundary Accuracy: As Supplied	A13NW (N)	184	2	147528 30317
	<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)	193	2	147678 29871
	<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)	195	2	147769 30207
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Coastal Events Boundary Accuracy: As Supplied	A13NE (NE)	196	2	147773 30203
	<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 and Coastal Events Boundary Accuracy: As Supplied	A13NE (NE)	197	2	147773 30205
	<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)	0	2	147579 30095
	<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 (S)	146	2	147562 29903
	<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 (SE)	154	2	147676 29913
	<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 (SE)	193	2	147678 29871
	<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 (SE)	210	2	147676 29851



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)	237	2	147679 29824
	<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)	243	2	147672 29815
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NE (NE)	0	2	147592 30105
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (NW)	0	2	147553 30125
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13SE (SE)	4	2	147614 30051
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13SE (SE)	8	2	147618 30059
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (NW)	110	2	147490 30221
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13SW (S)	146	2	147562 29903
	<b>Areas Benefiting from Flood Defences</b> Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (N)	224	2	147530 30357
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 71.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A18SE (N)	536	5	147673 30664
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	727	5	146801 30013
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	731	5	146796 30017
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 201.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	732	5	146795 30014





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 56.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	761	5	146805 29838
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 243.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	772	5	146805 29806
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	781	5	146782 29844
39	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 133.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Chyandour Brook Catchment Name: Penwith Peninsula Primacy: 1	A19NW (NE)	837	5	147986 30864
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 151.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	869	5	146671 29917
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 189.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Larriggan River Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	878	5	146679 29850
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 600.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Larriggan River Catchment Name: Penwith Peninsula Primacy: 1	A12SW (W)	893	5	146655 29880
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Chyandour Brook Catchment Name: Penwith Peninsula Primacy: 1	A19NW (N)	920	5	147930 30984
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 72.5 Watercourse Level: Underground Permanent: True Watercourse Name: Chyandour Brook Catchment Name: Penwith Peninsula Primacy: 1	A19NW (N)	927	5	147920 30996



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Larriggan River Catchment Name: Penwith Peninsula Primacy: 1	A7NW (W)	934	5	146667 29717
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 124.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Chyandour Brook Catchment Name: Penwith Peninsula Primacy: 1	A18NE (N)	936	5	147855 31029
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 128.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Larriggan River Catchment Name: Penwith Peninsula Primacy: 1	A7NW (SW)	936	5	146666 29715
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Penwith Peninsula Primacy: 1	A7NW (SW)	942	5	146716 29605
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Larriggan River Catchment Name: Penwith Peninsula Primacy: 1	A7NW (SW)	961	5	146697 29598
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 138.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Larriggan River Catchment Name: Penwith Peninsula Primacy: 1	A7NW (SW)	962	5	146699 29593
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Larriggan River Catchment Name: Penwith Peninsula Primacy: 1	A7NW (SW)	963	5	146694 29601
52	<b>OS Water Network Lines</b> Watercourse Form: Tidal river Watercourse Length: 178.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ponsandane Brook Catchment Name: Penwith Peninsula Primacy: 1	A19NW (NE)	976	5	148195 30889
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: Underground Permanent: True Watercourse Name: Chyandour Brook Catchment Name: Penwith Peninsula Primacy: 1	A23SE (N)	987	5	147762 31106



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 282.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Chyandour Brook Catchment Name: Penwith Peninsula Primacy: 1	A23SE (N)	988	5	147749 31109



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: Penwith District Council - Has supplied landfill data		0	6	147574 30090
	<b>Local Authority Landfill Coverage</b> Name: Cornwall County Council - Had landfill data but passed it to the relevant environment agency		0	7	147574 30090
55	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1936	A13NW (N)	211	-	147534 30345
56	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1936	A18SE (N)	536	-	147669 30665
57	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1936	A7NW (W)	898	-	146694 29745



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Upper Devonian Rocks (Undifferentiated)	A13SE (S)	0	1	147580 30049
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: no data Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: no data Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: no data Concentration:	A13NE (NE)	0	1	147582 30094
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 45 - 60 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (NW)	0	1	147574 30090
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 60 - 120 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	101	1	147662 30195
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: >180mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 60 - 80 mg/kg Concentration:	A13SE (SE)	126	1	147673 29943
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 60 - 120 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	142	1	147642 29912
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 45 - 60 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (S)	206	1	147519 29855



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium >180mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 60 - 80 mg/kg Concentration:	A13SW (S)	242	1	147553 29808
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	254	1	147746 29838
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 60 - 120 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	471	1	147706 30589
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	523	1	147000 30090
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium >180mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 60 - 80 mg/kg Concentration:	A8SE (SE)	789	1	147901 29318
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	796	1	147011 29481



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	831	1	148000 30849
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 60 - 120 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	926	1	147961 30977
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (W)	975	1	146608 29753
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	979	1	146549 30000
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Mining Instability</b> Mining Evidence: Conclusive Metaliferous Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (NW)	0	-	147574 30090
	<b>Man-Made Mining Cavities</b> Easting: 147800 Northing: 30400 Distance: 347 Quadrant Reference: A13 Quadrant Reference: NE Bearing Ref: NE Cavity Type: Tin Mine-Details Unknown Commodity: Tin Solid Geology Detail: Mylor Slate Formation Superficial Geology No Details Detail:	A13NE (NE)	347	8	147800 30400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Man-Made Mining Cavities</b> Easting: 147000 Northing: 29400 Distance: 866 Quadrant Reference: A7 Quadrant Reference: SE Bearing Ref: SW Cavity Type: Tin Mine-Details Unknown Commodity: Tin Solid Geology Detail: Mylor Slate Formation, Felsite Superficial Geology No Details Detail:	A7SE (SW)	866	8	147000 29400
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	147579 30080
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	46	1	147574 30000
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	62	1	147616 29987
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	100	1	147482 30000
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	46	1	147574 30000
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	101	1	147662 30195
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	46	1	147574 30000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	187	1	147483 30305
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	46	1	147574 30000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	46	1	147574 30000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	126	1	147673 29943
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	160	1	147543 29895





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	242	1	147553 29808
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	46	1	147574 30000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	101	1	147662 30195
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	142	1	147642 29912
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	187	1	147483 30305
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	46	1	147574 30000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	142	1	147642 29912
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	147574 30090



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	<b>Contemporary Trade Directory Entries</b> Name: Penzance Dry Dock (2009) Ltd Location: Wharf Road, Penzance, Cornwall, TR18 4BW Classification: Marine Engineering Equipment Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NE (N)	4	-	147579 30135
59	<b>Contemporary Trade Directory Entries</b> Name: Isles Of Scilly Steamship Company Location: Steamship House, Quay Street, Penzance, Cornwall, TR18 4BZ Classification: Airports <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (S)	15	-	147580 30042
60	<b>Contemporary Trade Directory Entries</b> Name: Caman'S Cards Location: 11, Custom House Court, Penzance, Cornwall, TR18 4AT Classification: Greeting Card Publishers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (SE)	43	-	147612 30006
60	<b>Contemporary Trade Directory Entries</b> Name: South Shore Uk Location: Trinity House, Wharf Road, Penzance, Cornwall, TR18 4BN Classification: Scaffolding & Work Platforms <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (SE)	51	-	147632 30006
60	<b>Contemporary Trade Directory Entries</b> Name: Ocean Blue Location: 7, Coinagehall Street, Penzance, Cornwall, TR18 4AY Classification: Chandlers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (S)	84	-	147611 29963
61	<b>Contemporary Trade Directory Entries</b> Name: Penwith Marine Services Location: Wharf Road, Penzance, Cornwall, TR18 4AB Classification: Marine Engineering Equipment Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SE (SE)	95	-	147688 29999
62	<b>Contemporary Trade Directory Entries</b> Name: Trelawny'S Ice Cream Co Location: Barbican Cottage, Barbican Lane, Penzance, Cornwall, TR18 4EF Classification: Ice Cream Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (SE)	131	-	147665 29933
63	<b>Contemporary Trade Directory Entries</b> Name: Chapel Studio Location: 32-33, New Street, Penzance, Cornwall, TR18 2NA Classification: Blacksmiths & Forgemasters <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	159	-	147406 30204
63	<b>Contemporary Trade Directory Entries</b> Name: Mccoy-Hill Location: 35, New Street, Penzance, Cornwall, TR18 2NA Classification: Damp & Dry Rot Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	164	-	147401 30206
64	<b>Contemporary Trade Directory Entries</b> Name: R C Pender & Son Location: Jennings Street, Penzance, Cornwall, TR18 2LU Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	188	-	147461 30294
65	<b>Contemporary Trade Directory Entries</b> Name: Britannia Motor Centre Location: Queen Street, Penzance, Cornwall, TR18 4DE Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	203	-	147322 30065
66	<b>Contemporary Trade Directory Entries</b> Name: Terry Winters Location: Mariners Cottage, Regent Terrace, Penzance, Cornwall, TR18 4DN Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	221	-	147428 29891



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	<b>Contemporary Trade Directory Entries</b> Name: Mccoy-Hill & Partners Ltd Location: New St, Penzance, Cornwall, TR18 2LZ Classification: Damp & Dry Rot Control <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	222	-	147359 30248
67	<b>Contemporary Trade Directory Entries</b> Name: Four Bees Manufacturing Location: 23-24, Jennings Street, Penzance, Cornwall, TR18 2LU Classification: Bed & Mattress Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	239	-	147368 30288
68	<b>Contemporary Trade Directory Entries</b> Name: Pure Nuff Stuff Location: 6, Chapel Street, Penzance, Cornwall, TR18 4AJ Classification: Cosmetic Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	234	-	147307 30181
68	<b>Contemporary Trade Directory Entries</b> Name: Pure Nuff Stuff Location: 6, Chapel Street, Penzance, Cornwall, TR18 4AJ Classification: Toiletries <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	234	-	147307 30181
68	<b>Contemporary Trade Directory Entries</b> Name: The Cornish Seaweed Bath Co Location: 49, QUEEN STREET, PENZANCE, TR18 4BQ Classification: Cosmetic Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	245	-	147292 30173
69	<b>Contemporary Trade Directory Entries</b> Name: Peter Johnson Location: 61-62, Chapel Street, Penzance, Cornwall, TR18 4AE Classification: Lampshade Manufacturers & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	238	-	147317 30210
69	<b>Contemporary Trade Directory Entries</b> Name: K & R Location: 13-14, Market Place, Penzance, Cornwall, TR18 2JB Classification: Foam Products - Rubber & Plastics <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	277	-	147283 30227
70	<b>Contemporary Trade Directory Entries</b> Name: M J Marine Charters Ltd Celtic Fox Location: Albert Pier, Penzance, Cornwall, TR18 2LL Classification: Hardware <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	259	-	147758 30321
70	<b>Contemporary Trade Directory Entries</b> Name: M J Marine Location: Albert Pier, Penzance, Cornwall, TR18 2LL Classification: Marine Electrical Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	259	-	147758 30321
71	<b>Contemporary Trade Directory Entries</b> Name: D M Motors Location: Queen Street, PENZANCE, Cornwall, TR18 4DE Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	299	-	147318 29874
72	<b>Contemporary Trade Directory Entries</b> Name: Currys Digital Location: 1-2, Market Jew Street, Penzance, Cornwall, TR18 2HN Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	310	-	147309 30328
72	<b>Contemporary Trade Directory Entries</b> Name: Currys.Digital Location: 1-2, Market Jew Street, Penzance, Cornwall, TR18 2HN Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	310	-	147309 30328



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	<b>Contemporary Trade Directory Entries</b> Name: Supervolt Electrical Supplies Location: 91, Market Jew Street, Penzance, Cornwall, TR18 2LG Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	316	-	147456 30433
73	<b>Contemporary Trade Directory Entries</b> Name: Premier Photographics Location: 22a, Market Jew Street, Penzance, Cornwall, TR18 2HR Classification: Photographic Processors <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	330	-	147414 30431
74	<b>Contemporary Trade Directory Entries</b> Name: Headland Office Supplies Location: Bread St, Penzance, Cornwall, TR18 2EQ Classification: Office Furniture & Equipment <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	334	-	147363 30406
75	<b>Contemporary Trade Directory Entries</b> Name: Vintage Home Living Location: Unit 17, Hoskens Yard, Road From Queen Street to Morrab Road, Penzance, TR18 4DL Classification: Furniture - Repairing & Restoring <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	343	-	147279 29850
75	<b>Contemporary Trade Directory Entries</b> Name: The Fix It Partnership Ltd Location: Marine Ter, Penzance, Cornwall, TR18 4DL Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	360	-	147275 29830
76	<b>Contemporary Trade Directory Entries</b> Name: Headland Printers Ltd Location: Bread Street, Penzance, Cornwall, TR18 2EH Classification: Printers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	354	-	147294 30375
76	<b>Contemporary Trade Directory Entries</b> Name: Westmill Joinery Location: Belgravia Street, Penzance, Cornwall, TR18 2EN Classification: Joinery Manufacturers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	361	-	147270 30360
76	<b>Contemporary Trade Directory Entries</b> Name: Victoria Garage Location: Victoria Garage, Bread Street, Penzance, TR18 2EG Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	361	-	147270 30360
77	<b>Contemporary Trade Directory Entries</b> Name: E T S Location: 28, Market Place, Penzance, Cornwall, TR18 2JD Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	364	-	147221 30295
78	<b>Contemporary Trade Directory Entries</b> Name: Supervolt Location: 35, Market Jew Street, Penzance, Cornwall, TR18 2HT Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	376	-	147454 30495
79	<b>Contemporary Trade Directory Entries</b> Name: Hannibal Commercials Location: 30, Morrab Road, Penzance, Cornwall, TR18 4EZ Classification: Commercial Vehicle Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	388	-	147177 29916



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	<b>Contemporary Trade Directory Entries</b> Name: Manns Dairy Location: Morrab Road, Penzance, Cornwall, TR18 4HA Classification: Dairies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	414	-	147175 29867
80	<b>Contemporary Trade Directory Entries</b> Name: Slipstreams Mail Order Co Location: Albert St, Penzance, Cornwall, TR18 2LR Classification: Cycle Accessories, Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	401	-	147534 30536
80	<b>Contemporary Trade Directory Entries</b> Name: Rrappers Location: Market Jew Street, Penzance, Cornwall, TR18 2HY Classification: Hats & Caps - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	420	-	147486 30549
80	<b>Contemporary Trade Directory Entries</b> Name: Camden Candles Location: 59a, Adelaide Street, Penzance, Cornwall, TR18 2ES Classification: Candle Manufacturers & Suppliers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	423	-	147471 30548
80	<b>Contemporary Trade Directory Entries</b> Name: Cornish Locksmiths Location: 47a, Market Jew Street, Penzance, Cornwall, TR18 2HZ Classification: Safes & Vaults - Suppliers & Installers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	440	-	147504 30572
81	<b>Contemporary Trade Directory Entries</b> Name: Icenii Trailers Location: 17, Marine Terrace, Penzance, Cornwall, TR18 4DL Classification: Trailers & Towing Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	421	-	147215 29804
81	<b>Contemporary Trade Directory Entries</b> Name: The Happy Iron Location: 18, Marine Terrace, Penzance, Cornwall, TR18 4DL Classification: Ironing & Home Laundry Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	426	-	147210 29802
82	<b>Contemporary Trade Directory Entries</b> Name: Bluefurball Ltd Location: 11 Causewayhead, Penzance, Cornwall, TR18 2SN Classification: T-Shirts <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	435	-	147169 30348
82	<b>Contemporary Trade Directory Entries</b> Name: Cornwall Colour Bureau Location: 11, Causewayhead, Penzance, Cornwall, TR18 2SN Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	441	-	147159 30342
82	<b>Contemporary Trade Directory Entries</b> Name: Perfect Pictures Location: First Floor, 14, Causewayhead, Penzance, Cornwall, TR18 2SN Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	450	-	147160 30360
82	<b>Contemporary Trade Directory Entries</b> Name: Vision Arts Location: 15, Causewayhead, Penzance, Cornwall, TR18 2SN Classification: Jewellery Manufacturers & Repairers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	461	-	147152 30368
83	<b>Contemporary Trade Directory Entries</b> Name: Sturgeon & Murrish Location: Brighton Ter, Morrab Rd, Penzance, Cornwall, TR18 4HB Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	455	-	147158 29819



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	<b>Contemporary Trade Directory Entries</b> Name: Penzance Mot Centre Location: Brighton Ter, Morrab Rd, Penzance, Cornwall, TR18 4HB Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	455	-	147158 29819
84	<b>Contemporary Trade Directory Entries</b> Name: Malins Pet Foods Location: 57, Causewayhead, Penzance, Cornwall, TR18 2SS Classification: Pet Foods & Animal Feeds <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	485	-	147159 30420
84	<b>Contemporary Trade Directory Entries</b> Name: Penzance Home Location: 52, Causewayhead, Penzance, Cornwall, TR18 2SS Classification: Hardware <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	503	-	147155 30443
84	<b>Contemporary Trade Directory Entries</b> Name: The Pit Stop Location: 33, Causewayhead, Penzance, Cornwall, TR18 2SP Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	549	-	147117 30471
84	<b>Contemporary Trade Directory Entries</b> Name: Silbys Garage Location: 34, Causewayhead, Penzance, Cornwall, TR18 2SP Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	549	-	147117 30471
84	<b>Contemporary Trade Directory Entries</b> Name: Penzance Ford Specialists Location: 33, Causewayhead, Penzance, Cornwall, TR18 2SP Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	549	-	147117 30471
84	<b>Contemporary Trade Directory Entries</b> Name: The Pitstop Location: 33, Causewayhead, Penzance, Cornwall, TR18 2SP Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	549	-	147117 30471
85	<b>Contemporary Trade Directory Entries</b> Name: Polyclean Centre Location: 4, East Terrace, Penzance, Cornwall, TR18 2TD Classification: Laundries & Launderettes <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	510	-	147546 30646
85	<b>Contemporary Trade Directory Entries</b> Name: Suds & Surf Location: 4, East Terrace, Penzance, Cornwall, TR18 2TD Classification: Dry Cleaners <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	510	-	147546 30646
85	<b>Contemporary Trade Directory Entries</b> Name: St Michaels Garage Location: East Terrace, Penzance, Cornwall, TR18 2TD Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	559	-	147539 30695
86	<b>Contemporary Trade Directory Entries</b> Name: Eden Plumbing & Heating Ltd Location: 27, Cornwall Terrace, Penzance, Cornwall, TR18 4HL Classification: Boilers - Servicing, Replacements & Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	533	-	147114 29750
87	<b>Contemporary Trade Directory Entries</b> Name: Mounts Bay Electrical Location: Mounts Bay Electrical, Taroveor Road, Penzance, TR18 2BH Classification: Domestic Appliances - Servicing, Repairs & Parts <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	538	-	147217 30552





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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	<b>Contemporary Trade Directory Entries</b> Name: Sturgeon & Murrish Location: Premier Garage, Causewayhead, Penzance, Cornwall, TR18 2ST Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	581	-	147128 30531
88	<b>Contemporary Trade Directory Entries</b> Name: The Great White Laundry Location: 1, Tolver Road, Penzance, Cornwall, TR18 2AG Classification: Laundries & Launderettes <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	602	-	147130 30561
89	<b>Contemporary Trade Directory Entries</b> Name: A R Newport Location: 6, Tencreek Avenue, Penzance, Cornwall, TR18 2QB Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	593	-	147015 30398
90	<b>Contemporary Trade Directory Entries</b> Name: Cost Copywriting Location: 26, Penlee Street, Penzance, Cornwall, TR18 2DE Classification: Copying & Duplicating Machines & Supplies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	611	-	147346 30706
91	<b>Contemporary Trade Directory Entries</b> Name: S K Motor Repairs Location: 12, Penrose Terrace, Penzance, Cornwall, TR18 2HQ Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	614	-	147497 30747
92	<b>Contemporary Trade Directory Entries</b> Name: Cornish Lime Builders Location: 28, LESKINNICK TERRACE, PENZANCE, TR18 2HB Classification: Timber Preservation Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	626	-	147401 30740
93	<b>Contemporary Trade Directory Entries</b> Name: Rugged Cornwall Location: 26, Mennaye Road, PENZANCE, Cornwall, TR18 4NG Classification: Carpets & Rugs - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	703	-	146879 29810
94	<b>Contemporary Trade Directory Entries</b> Name: Owens Mobile Car Valeting Services Location: Flat 1, 5, Tolver Place, Penzance, TR18 2AD Classification: Car Washing & Polishing Equipment & Supplies <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	730	-	147121 30720
95	<b>Contemporary Trade Directory Entries</b> Name: Berkeley Blinds Location: Glen Trewithen, Trewithen Road, Penzance, TR18 4LS Classification: Blinds, Awnings & Canopies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	768	-	146761 29998
96	<b>Contemporary Trade Directory Entries</b> Name: Peninsula Services Location: 36, Penalverne Crescent, Penzance, Cornwall, TR18 2RD Classification: Carpet, Curtain & Upholstery Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (NW)	784	-	146809 30413
97	<b>Contemporary Trade Directory Entries</b> Name: Kc Renovation Treatments Location: 17, Tolver Place, Penzance, Cornwall, TR18 2AD Classification: Woodworm Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	793	-	147103 30784
97	<b>Contemporary Trade Directory Entries</b> Name: Power Tool & Machinery Services Location: 17, Tolver Place, Penzance, Cornwall, TR18 2AD Classification: Cleaning Materials & Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	793	-	147103 30784



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	<b>Contemporary Trade Directory Entries</b> Name: Kc Renovation Treatments Location: 17, Tolver Place, Penzance, Cornwall, TR18 2AD Classification: Woodworm Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	793	-	147103 30784
97	<b>Contemporary Trade Directory Entries</b> Name: K C Renovation Location: 17, Tolver Place, Penzance, Cornwall, TR18 2AD Classification: Woodworm Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	793	-	147103 30784
98	<b>Contemporary Trade Directory Entries</b> Name: Clean & Go Location: 25, Trezela Road, Penzance, Cornwall, TR18 2RU Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	793	-	146854 30516
99	<b>Contemporary Trade Directory Entries</b> Name: Williams Electronics Location: 8, Penare Gardens, Penzance, Cornwall, TR18 2AS Classification: Electronic Engineers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	832	-	147275 30916
100	<b>Contemporary Trade Directory Entries</b> Name: The Spin Doctor Location: 19, York Street, PENZANCE, Cornwall, TR18 2PW Classification: Washing Machines - Servicing & Repairs <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	854	-	146942 30731
101	<b>Contemporary Trade Directory Entries</b> Name: Jewson Ltd Location: Promenade, Penzance, Cornwall, TR18 4NR Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	861	-	146838 29569
102	<b>Contemporary Trade Directory Entries</b> Name: West Cornwall Hospital Location: St. Clare Street, Penzance, Cornwall, TR18 2PF Classification: Hospitals <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	891	-	146846 30677
103	<b>Contemporary Trade Directory Entries</b> Name: Texaco Location: Promenade, Penzance, Cornwall, TR18 4NP Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	922	-	146783 29540
103	<b>Contemporary Trade Directory Entries</b> Name: Texaco Filling Station Location: Western Promenade Road, Penzance, Cornwall, TR18 4NP Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	923	-	146780 29543
103	<b>Contemporary Trade Directory Entries</b> Name: Co-Op Petrol Location: PROMENADE, PENZANCE, TR18 4NP Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	923	-	146780 29543
104	<b>Contemporary Trade Directory Entries</b> Name: Mike Gent Location: 13, Parc Wartha Avenue, Penzance, Cornwall, TR18 2RY Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	932	-	146754 30620
105	<b>Contemporary Trade Directory Entries</b> Name: The Coombe Garage Location: Chyandour Coombe, Penzance, TR18 3LP Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	952	-	147828 31054





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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<b>Contemporary Trade Directory Entries</b> Name: St Michael'S Garage Location: Chyandour Coombe, Penzance, Cornwall, TR18 3LP Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	954	-	147828 31056
106	<b>Fuel Station Entries</b> Name: Shell Penzance Location: The Cliff , , Penzance, Cornwall, TR18 3NT Brand: Obsolete Premises Type: Not Applicable <b>Status: Obsolete</b> Positional Accuracy: Approximate location provided by supplier	A18NW (N)	693	-	147494 30826
107	<b>Fuel Station Entries</b> Name: Asda Express Penzance Location: The Promenade , Wherrytown , Penzance, Cornwall, TR18 4NP Brand: Asda Express Premises Type: Hypermarket <b>Status: Open</b> Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	923	-	146782 29540
108	<b>Points of Interest - Commercial Services</b> Name: D M Motors Location: Lower Queen Street Garage, Queen Street, Penzance, TR18 4DE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	301	9	147315 29873
109	<b>Points of Interest - Commercial Services</b> Name: D J Nudd Location: 11 Marine Terrace, Penzance, TR18 4DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	392	9	147243 29817
109	<b>Points of Interest - Commercial Services</b> Name: D J Nudd Location: 15 Marine Terrace, Promenade, Penzance, TR18 4DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	411	9	147225 29807
109	<b>Points of Interest - Commercial Services</b> Name: Sturgeon & Murrish Location: Brighton Ter, Morrab Rd, Penzance, Cornwall, TR18 4HB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	455	9	147158 29819
109	<b>Points of Interest - Commercial Services</b> Name: Trelawny Citroen Ltd Location: Brighton Terrace, Morrab Road, Penzance, TR18 4HB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	455	9	147158 29819
109	<b>Points of Interest - Commercial Services</b> Name: Trelawny Garage Location: Brighton Terrace, Morrab Road, Penzance, TR18 4HB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	455	9	147158 29819
110	<b>Points of Interest - Commercial Services</b> Name: The Pitstop Location: 33 Causewayhead, Penzance, TR18 2SP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	548	9	147119 30471
110	<b>Points of Interest - Commercial Services</b> Name: Penzance Ford Specialists Location: 33 Causewayhead, Penzance, TR18 2SP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	549	9	147117 30471



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	<b>Points of Interest - Commercial Services</b> Name: A R Newport Location: 6 Tencreek Avenue, Penzance, TR18 2QB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NE (NW)	593	9	147015 30398
111	<b>Points of Interest - Commercial Services</b> Name: A R Newport Location: 6 Tencreek Avenue, Penzance, TR18 2QB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NE (NW)	594	9	147015 30398
112	<b>Points of Interest - Commercial Services</b> Name: South West Tow Bars Location: 1 Stanford Terrace, Penzance, TR18 2RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	698	9	146846 30258
113	<b>Points of Interest - Commercial Services</b> Name: K C Renovation Treatments Location: 17 Tolver Place, Penzance, TR18 2AD Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A17NE (NW)	793	9	147103 30784
113	<b>Points of Interest - Commercial Services</b> Name: K C Renovation Treatments Location: 17 Tolver Place, Penzance, TR18 2AD Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A17NE (NW)	793	9	147103 30784
114	<b>Points of Interest - Commercial Services</b> Name: John Moon Haulage Contractor Location: 23 Pendarves Road, Penzance, TR18 2AJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	898	9	146930 30781
115	<b>Points of Interest - Commercial Services</b> Name: The Coombe Garage Location: Chyandour Coombe, Penzance, TR18 3LP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	954	9	147828 31056
115	<b>Points of Interest - Commercial Services</b> Name: St Michael's Garage Location: Chyandour Coombe, Penzance, TR18 3LP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	954	9	147831 31055
116	<b>Points of Interest - Education and Health</b> Name: West Cornwall Hospital Location: St. Clare Street, Penzance, TR18 2PF Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A17SW (NW)	854	9	146878 30660
116	<b>Points of Interest - Education and Health</b> Name: West Cornwall Hospital Location: St Clare Street, Penzance, TR18 2PF Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A17SW (NW)	890	9	146846 30677
116	<b>Points of Interest - Education and Health</b> Name: West Cornwall Hospital (Penzance) Location: St. Clare Street, Penzance, TR18 2PF Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A17SW (NW)	891	9	146846 30677
116	<b>Points of Interest - Education and Health</b> Name: West Cornwall Hospital (Penzance) Location: St. Clare Street, Penzance, TR18 2PF Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A17SW (NW)	891	9	146846 30677



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	<b>Points of Interest - Manufacturing and Production</b> Name: Vattenfall Windpower Location: Abbey Warehouse, Abbey Street, Penzance, TR18 4AR Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A13NW (W)	32	9	147496 30108
118	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: TR18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	62	9	147591 29984
118	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	63	9	147590 29983
119	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: TR18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	104	9	147429 30046
119	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	105	9	147429 30045
120	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: TR18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	131	9	147711 29969
120	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: TR18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	135	9	147720 29974
121	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	222	9	147778 30240
121	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: TR18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	222	9	147778 30240
122	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	348	9	147185 30171
122	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: TR18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	348	9	147185 30171
122	<b>Points of Interest - Manufacturing and Production</b> Name: The Works Location: TR18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	376	9	147151 30141



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	377	9	147150 30141
123	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	353	9	147308 30388
123	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: TR18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	353	9	147308 30388
124	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: TR18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	498	9	147448 30620
125	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	560	9	147243 30597
126	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	606	9	147391 30716
127	<b>Points of Interest - Manufacturing and Production</b> Name: John Lloyd of Bedwyn Location: 7 Alverton Terrace, Penzance, TR18 4JH Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A12NE (W)	634	9	146908 30243
128	<b>Points of Interest - Public Infrastructure</b> Name: Penzance Bus Station Location: TR18 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A18SE (N)	413	9	147639 30545
128	<b>Points of Interest - Public Infrastructure</b> Name: Penzance Bus Station Location: TR18 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	422	9	147655 30551
129	<b>Points of Interest - Public Infrastructure</b> Name: Garden of Remembrance Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	490	9	147033 30074
130	<b>Points of Interest - Public Infrastructure</b> Name: Penzance Rail Station Location: Chyandour Cliff, TR18 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A18SE (N)	528	9	147619 30663
130	<b>Points of Interest - Public Infrastructure</b> Name: Penzance Station Location: Chyandour Cliff, TR18 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A18SE (N)	528	9	147619 30663



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	608	9	147405 30722
131	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: TR18 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	608	9	147405 30722
132	<b>Points of Interest - Public Infrastructure</b> Name: Devon & Cornwall Constabulary Location: Police Station, Penvalverne Drive, Penzance, TR18 2NS Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A12NE (W)	628	9	146933 30307
132	<b>Points of Interest - Public Infrastructure</b> Name: Penzance Police Enquiry Office Location: Police Station, Penvalverne Drive, Penzance, TR18 2NS Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A12NE (W)	628	9	146933 30307
133	<b>Points of Interest - Public Infrastructure</b> Name: S A Waste Clearance Location: 28 Alverne Buildings, Penzance, TR18 2RS Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12NW (W)	772	9	146795 30348
134	<b>Points of Interest - Public Infrastructure</b> Name: Chapel of Rest Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	848	9	147203 30903
135	<b>Points of Interest - Public Infrastructure</b> Name: CRS Wherry Town Location: Promenade, Penzance, TR18 4NP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	909	9	146772 29578
135	<b>Points of Interest - Public Infrastructure</b> Name: Co-Op Wherrytown Location: Promenade, Penzance, TR18 4NP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	909	9	146772 29578
135	<b>Points of Interest - Public Infrastructure</b> Name: Texaco Location: Promenade Wherrytown, Penzance, TR18 4NP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	922	9	146783 29540
135	<b>Points of Interest - Public Infrastructure</b> Name: Texaco Location: Promenade, Penzance, TR18 4NP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	923	9	146782 29540
135	<b>Points of Interest - Public Infrastructure</b> Name: Texaco Location: The Promenade, Wherrytown, Penzance, TR18 4NP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	923	9	146782 29540
135	<b>Points of Interest - Public Infrastructure</b> Name: Texaco Filling Station Location: Western Promenade Road, Penzance, TR18 4NP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	924	9	146779 29542



## Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	<b>Points of Interest - Public Infrastructure</b> Name: Co-op Petrol Location: Co-Op, Promenade, Penzance, TR18 4NP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	924	9	146779 29542
136	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: TR18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A19NW (N)	921	9	147918 30990
136	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: TR18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A19NW (N)	922	9	147920 30991
137	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Western Promenade Road, TR18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	635	9	147016 29709
137	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Alexandra Road, TR18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	703	9	146961 29669
138	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	700	9	146824 30058
138	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Trewithen Road, TR18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	700	9	146824 30058
139	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	937	9	146802 29493
139	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Western Promenade Road, TR18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	937	9	146802 29493
140	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	982	9	147089 30996
140	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: TR18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	997	9	147098 31018





Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Penwith District Council (now part of Cornwall Council) - Environmental Health Department Environment Agency - Head Office Cornwall Council - Environmental Health Department	December 2008 November 2023 October 2017	Not Applicable Annually Annually
<b>Discharge Consents</b> Environment Agency - South West Region	April 2024	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - South West Region	March 2013	
<b>Integrated Pollution Controls</b> Environment Agency - South West Region	January 2009	
<b>Integrated Pollution Prevention And Control</b> Environment Agency - South West Region	October 2023	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Penwith District Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	December 2008 March 2023	Not Applicable Variable
<b>Local Authority Pollution Prevention and Controls</b> Penwith District Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	December 2008 March 2023	Not Applicable Annually
<b>Local Authority Pollution Prevention and Control Enforcements</b> Penwith District Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	December 2008 March 2023	Not Applicable Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	March 2024	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - South West Region	September 1999	
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - South West Region	July 2015	
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - South West Region	March 2013	
<b>Registered Radioactive Substances</b> Environment Agency - South West Region Environment Agency - Head Office	June 2016 May 2023	As notified Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	April 2012	
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	April 2012	
<b>Substantiated Pollution Incident Register</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	April 2024 April 2024	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - South West Region	April 2024	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - South West Region	October 2017	
<b>Groundwater Vulnerability Map</b> Environment Agency - Head Office	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	As notified
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	As notified



Agency & Hydrological	Version	Update Cycle
<b>Source Protection Zones</b> Environment Agency - Head Office	September 2022	Bi-Annually
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	December 2023	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	December 2023	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2023	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	January 2024	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	August 2022	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	April 2024	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water Suitability</b> Environment Agency - Head Office	February 2016	Annually
<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	November 2002	As notified
<b>Historical Landfill Sites</b> Environment Agency - Head Office	May 2024	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - South West Region	January 2009	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	May 2024 May 2024	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	January 2023 January 2023	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Cornwall County Council (now part of Cornwall Council) Penwith District Council (now part of Cornwall Council)	February 2003 February 2003	Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Cornwall County Council (now part of Cornwall Council) Penwith District Council (now part of Cornwall Council)	October 2018 October 2018	
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	
<b>Registered Landfill Sites</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	March 2006 March 2006	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	April 2018 April 2018	
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	January 2024	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	August 2001	
<b>Planning Hazardous Substance Enforcements</b> Cornwall County Council (now part of Cornwall Council) Cornwall Council - Planning Department Penwith District Council (now part of Cornwall Council)	January 2009 May 2023 September 2008	Annual Rolling Update Variable Not Applicable
<b>Planning Hazardous Substance Consents</b> Cornwall County Council (now part of Cornwall Council) Cornwall Council - Planning Department Penwith District Council (now part of Cornwall Council)	January 2009 May 2016 September 2008	Annual Rolling Update Variable Not Applicable



Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	As notified
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	December 2015	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	February 2023	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	October 2023	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	October 2023	Annually



## Data Currency

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2024	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	February 2024	Quarterly
<b>Gas Pipelines</b> National Grid	October 2021	Bi-Annually
<b>Points of Interest - Commercial Services</b> PointX	March 2024	Quarterly
<b>Points of Interest - Education and Health</b> PointX	March 2024	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	March 2024	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	March 2024	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	March 2024	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2024	Bi-Annually



Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	April 2024	Bi-Annually
<b>Areas of Adopted Green Belt</b> Cornwall Council - Planning Department Penwith District Council (now part of Cornwall Council)	February 2024 February 2024	Quarterly Quarterly
<b>Areas of Unadopted Green Belt</b> Cornwall Council - Planning Department Penwith District Council (now part of Cornwall Council)	February 2024 February 2024	Quarterly Quarterly
<b>Areas of Outstanding Natural Beauty</b> Natural England	May 2024	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	August 2023	
<b>Forest Parks</b> Forestry Commission	May 2023	Not Applicable
<b>Local Nature Reserves</b> Natural England	February 2024	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	February 2024	Bi-Annually
<b>National Nature Reserves</b> Natural England	February 2024	Bi-Annually
<b>National Parks</b> Natural England	February 2018	Bi-Annually
<b>Nitrate Sensitive Areas</b> Natural England	April 2023	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 April 2024	Bi-Annually
<b>Ramsar Sites</b> Natural England	February 2024	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	April 2024	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	April 2024	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2024	Bi-Annually



A selection of organisations who provide data within this report

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



## Useful Contacts

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>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
3	<b>Cornwall Council - Environmental Health Department</b> County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 212 Email: envhealthandlicensing@cornwall.gov.uk Website: www.cornwall.gov.uk
4	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
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>Penwith District Council (now part of Cornwall Council)</b> County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: enquiries@cornwall.gov.uk Website: www.cornwall.gov.uk
7	<b>Cornwall County Council (now part of Cornwall Council)</b> County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: enquiries@cornwall.gov.uk Website: www.cornwall.gov.uk
8	<b>Stantec UK Ltd</b> Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
9	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.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 1:10,560

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

## Ordnance Survey Plan 1:10,000

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

## 1:10,000 Raster Mapping

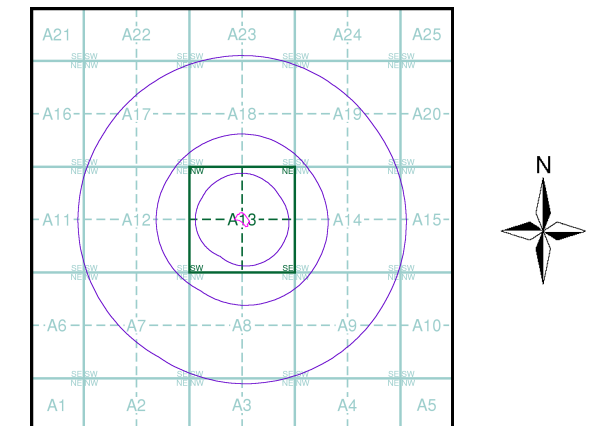
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cornwall & Isles Of Scilly	1:10,560	1887	2
Cornwall & Isles Of Scilly	1:10,560	1909	3
Cornwall & Isles Of Scilly	1:10,560	1936	4
Cornwall & Isles Of Scilly	1:10,560	1938	5
Ordnance Survey Plan	1:10,000	1963	6
Ordnance Survey Plan	1:10,000	1968	7
Ordnance Survey Plan	1:10,000	1976	8
Ordnance Survey Plan	1:10,000	1990 - 1993	9
10K Raster Mapping	1:10,000	2000	10
10K Raster Mapping	1:10,000	2006	11
VectorMap Local	1:10,000	2024	12

## Historical Map - Slice A



## Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

## Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





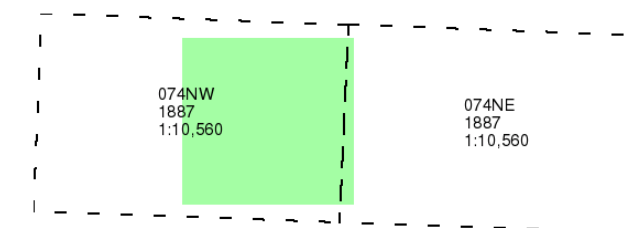
## Cornwall & Isles Of Scilly

Published 1887

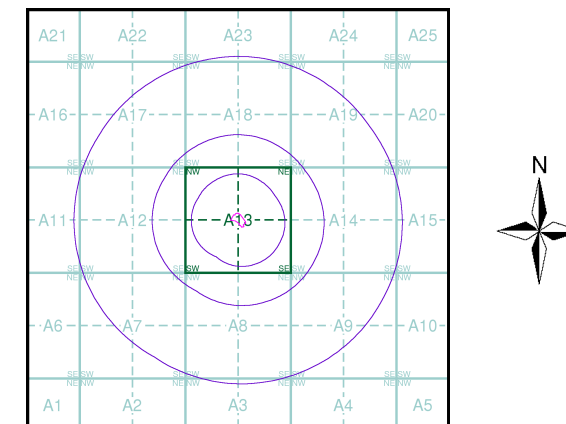
Source map scale - 1:10,560

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

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



### Historical Map - Slice A



### Order Details

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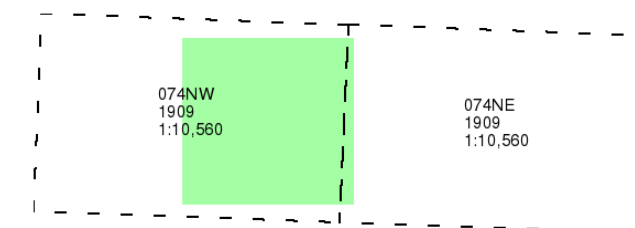
## Cornwall & Isles Of Scilly

Published 1909

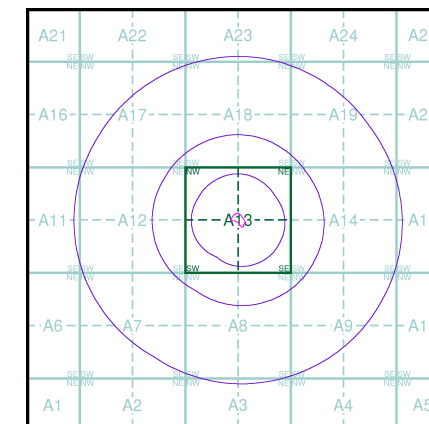
Source map scale - 1:10,560

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

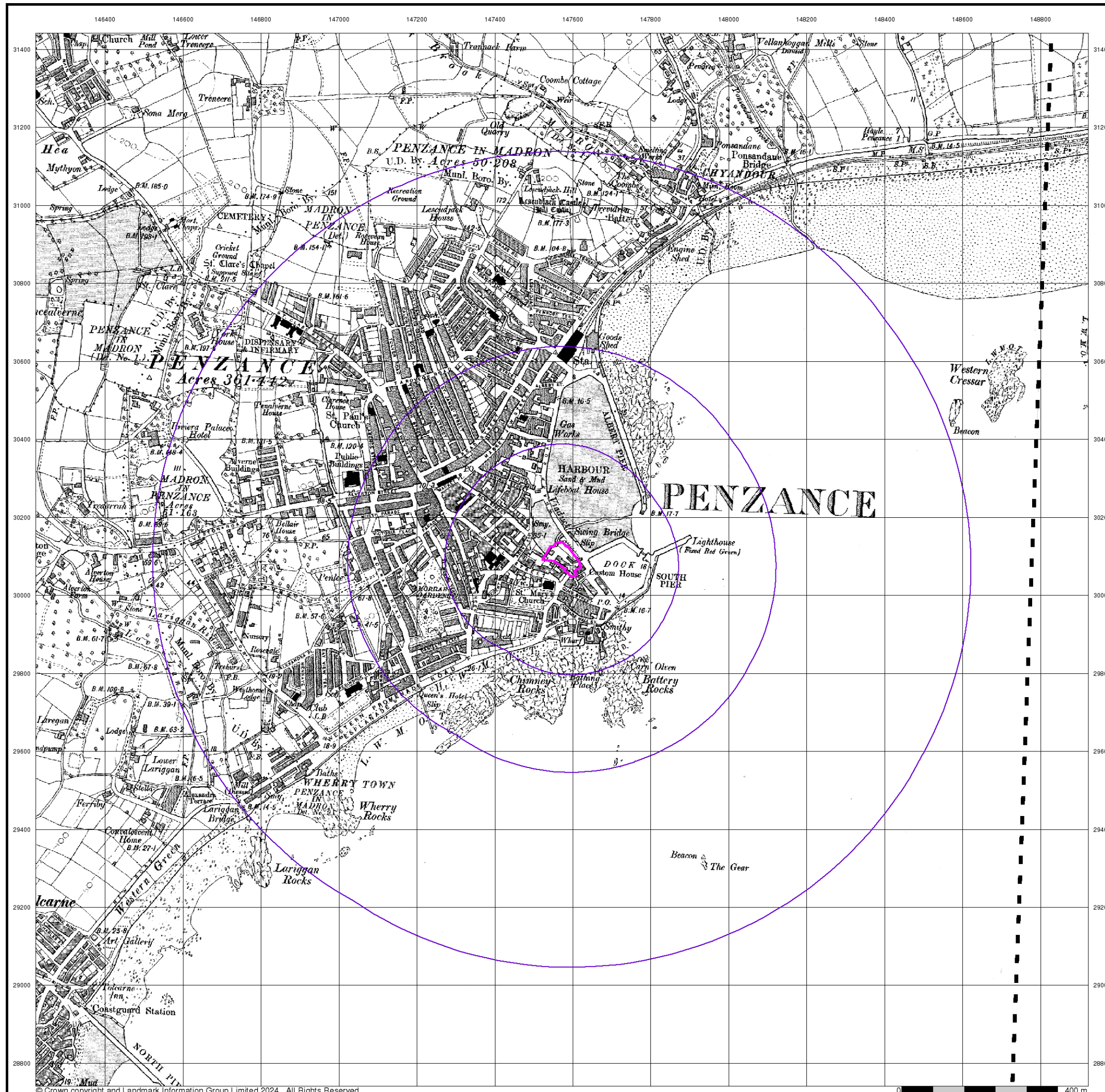
Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

### Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

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INFORMATION GROUP

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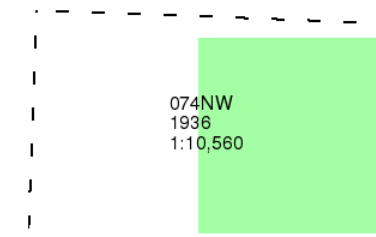
## Cornwall & Isles Of Scilly

Published 1936

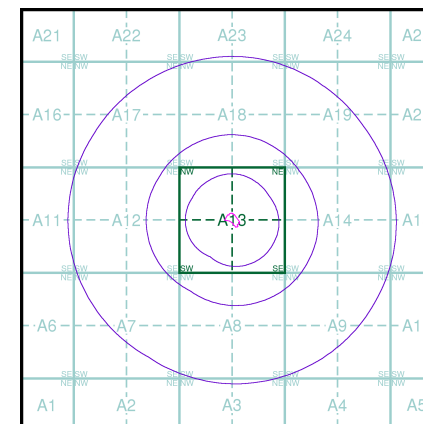
Source map scale - 1:10,560

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

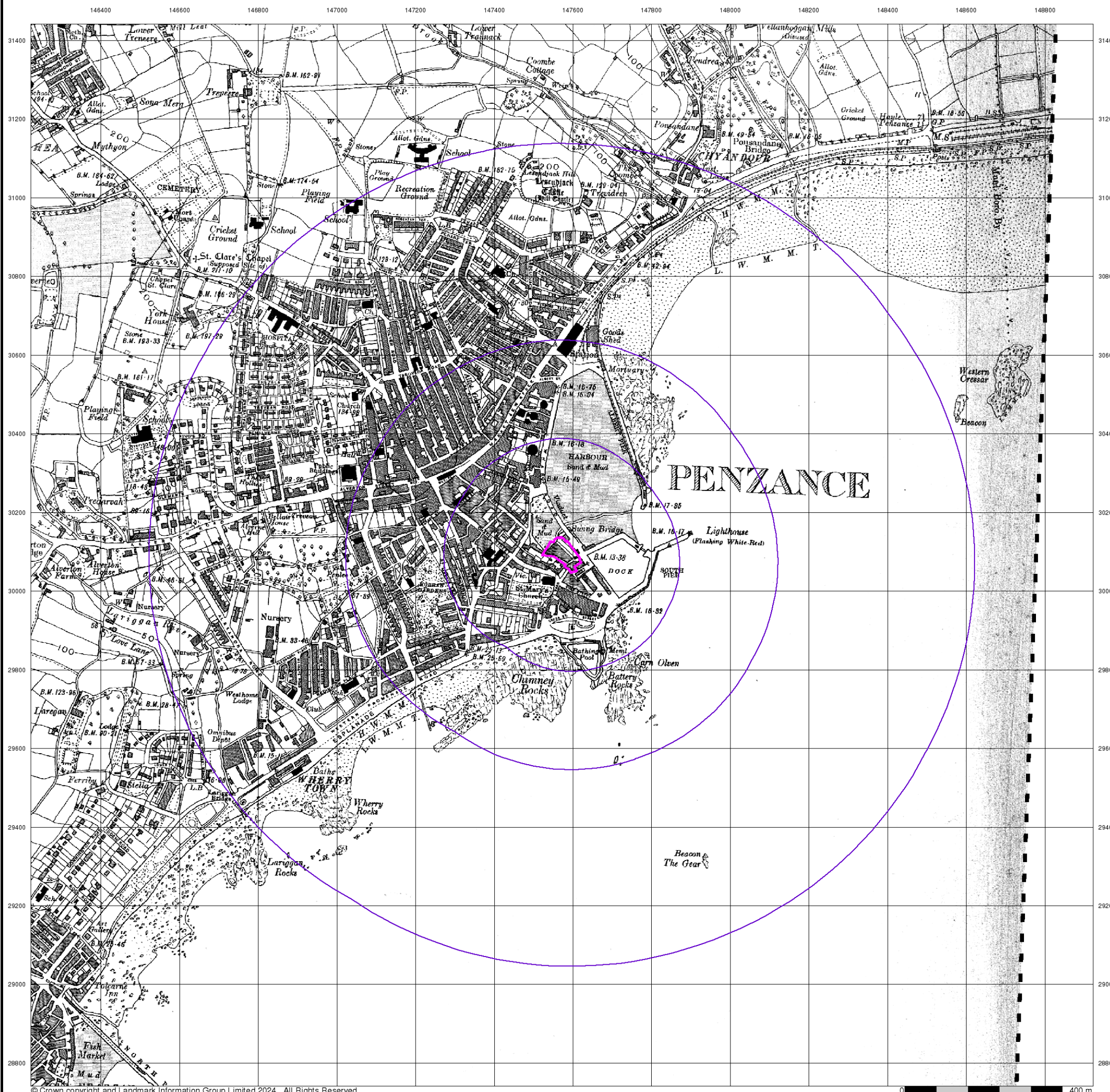
Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
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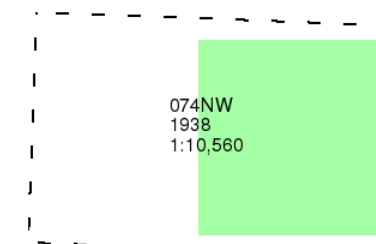
## Cornwall & Isles Of Scilly

Published 1938

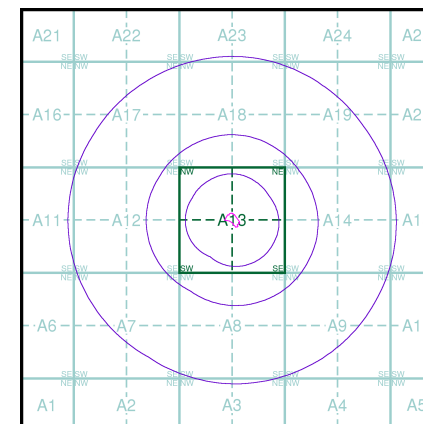
Source map scale - 1:10,560

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: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

### Site Details

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## Ordnance Survey Plan

**Published 1963**

**Source map scale - 1:10,000**

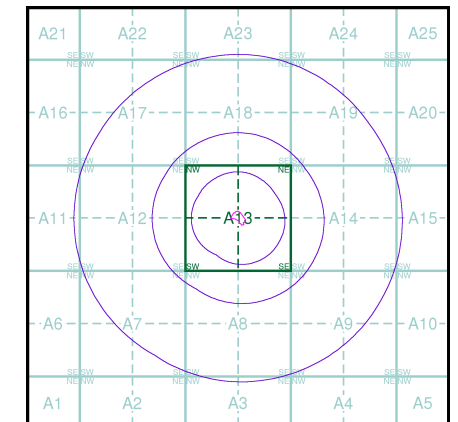
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SW43SE  
1963  
1:10,560

SW42NE  
1963  
1:10,560

### Historical Map - Slice A



## Order Details

Order Number:	347772129_1_1
Customer Ref:	24093
National Grid Reference:	147570, 30090
Slice:	A
Site Area (Ha):	0.43
Search Buffer (m):	1000

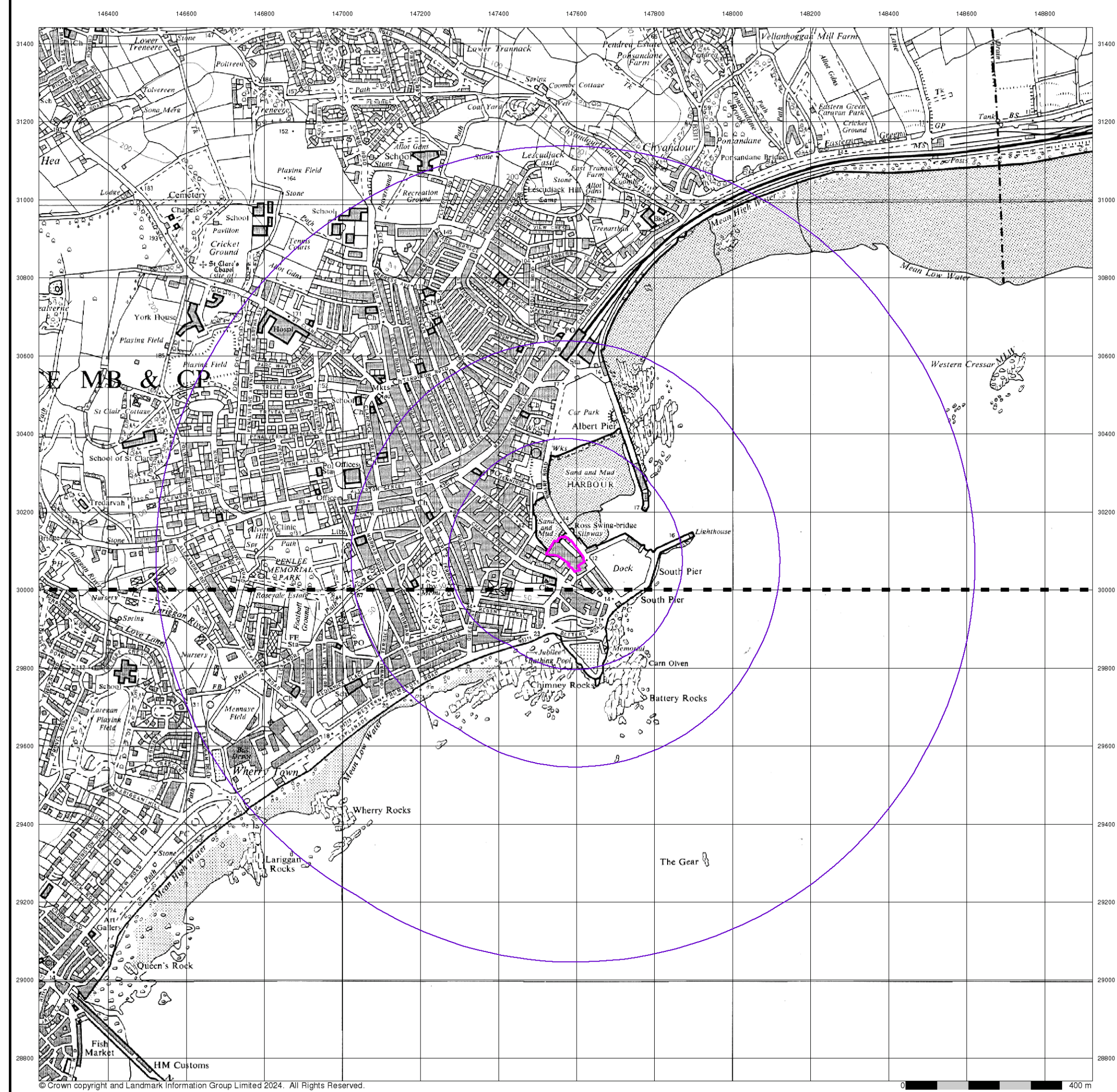
## Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

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## Ordnance Survey Plan

### Published 1968

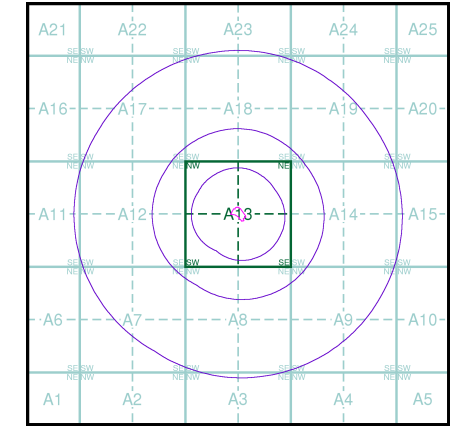
### Source map scale - 1:10,000

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)

SW43SE	1968
1:10,560	
SW42NE	1968
1:10,560	

### Historical Map - Slice A



### Order Details

Order Number:	347772129_1_1
Customer Ref:	24093
National Grid Reference:	147570, 30090
Slice:	A
Site Area (Ha):	0.43
Search Buffer (m):	1000

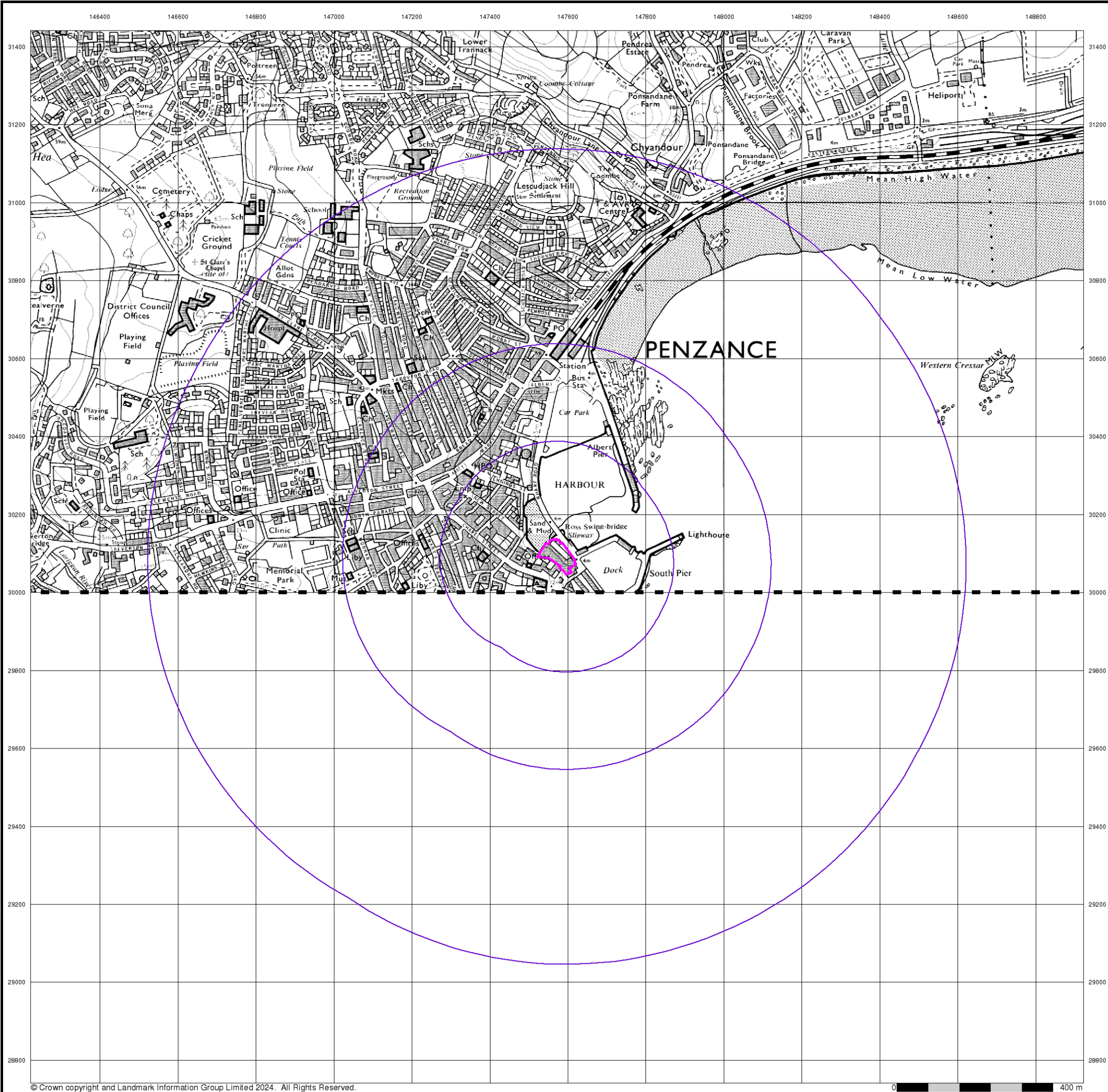
### Site Details

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0 400 m



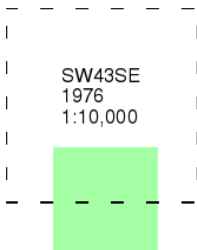
## Ordnance Survey Plan

Published 1976

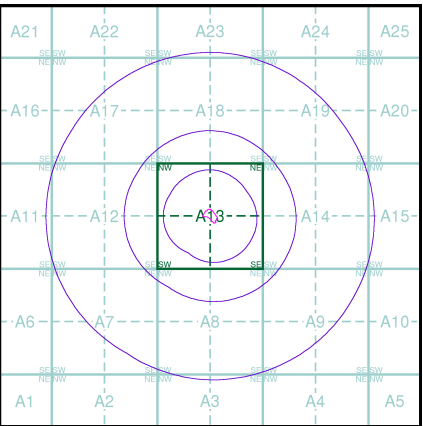
Source map scale - 1:10,000

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: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

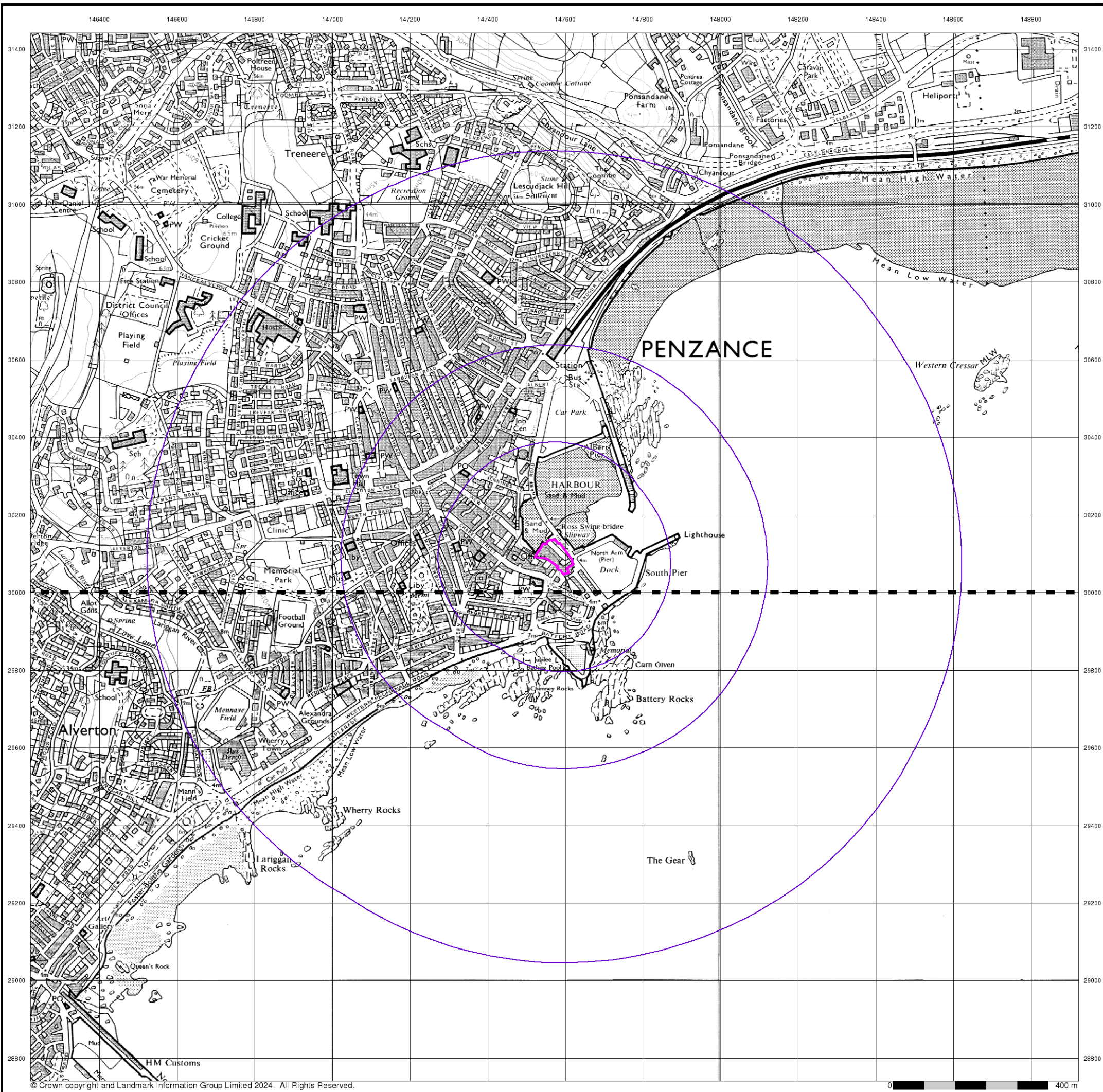
### Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

**Landmark**  
INFORMATION GROUP

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## Ordnance Survey Plan

Published 1990 - 1993

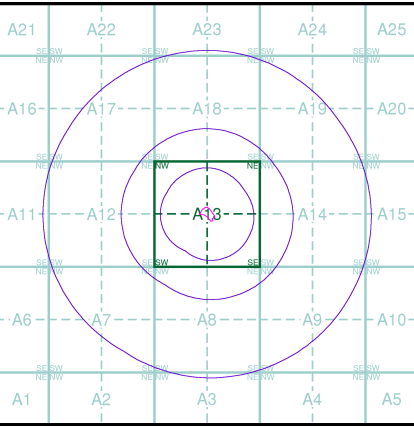
Source map scale - 1:10,000

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)

SW43SE	1993
1:10,000	
SW42NE	1990
1:10,000	

## Historical Map - Slice A



## Order Details

Order Number:	347772129_1_1
Customer Ref:	24093
National Grid Reference:	147570, 30090
Slice:	A
Site Area (Ha):	0.43
Search Buffer (m):	1000

## Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW



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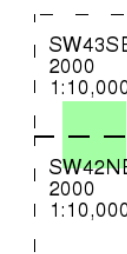
## 10k Raster Mapping

Published 2000

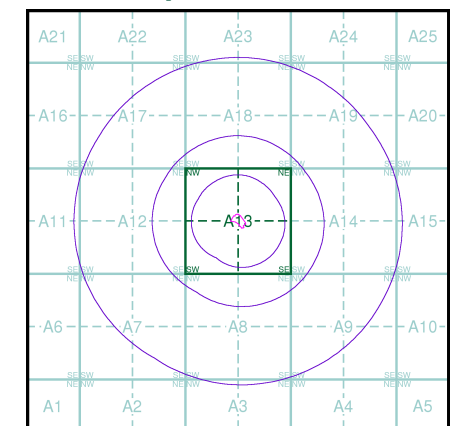
**Source map scale - 1:10,000**

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: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

## Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

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## 10k Raster Mapping

Published 2006

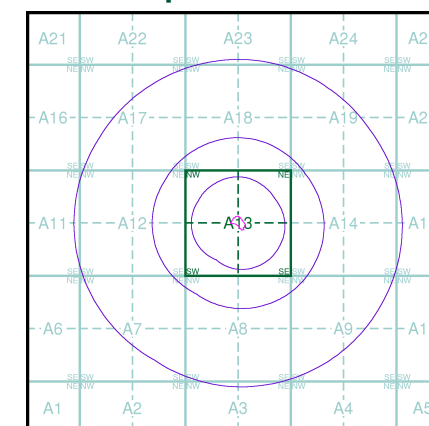
Source map scale - 1:10,000

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

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

SW43SE  
2006  
1:10,000  
SW42NE  
2006  
1:10,000

### Historical Map - Slice A



### Order Details

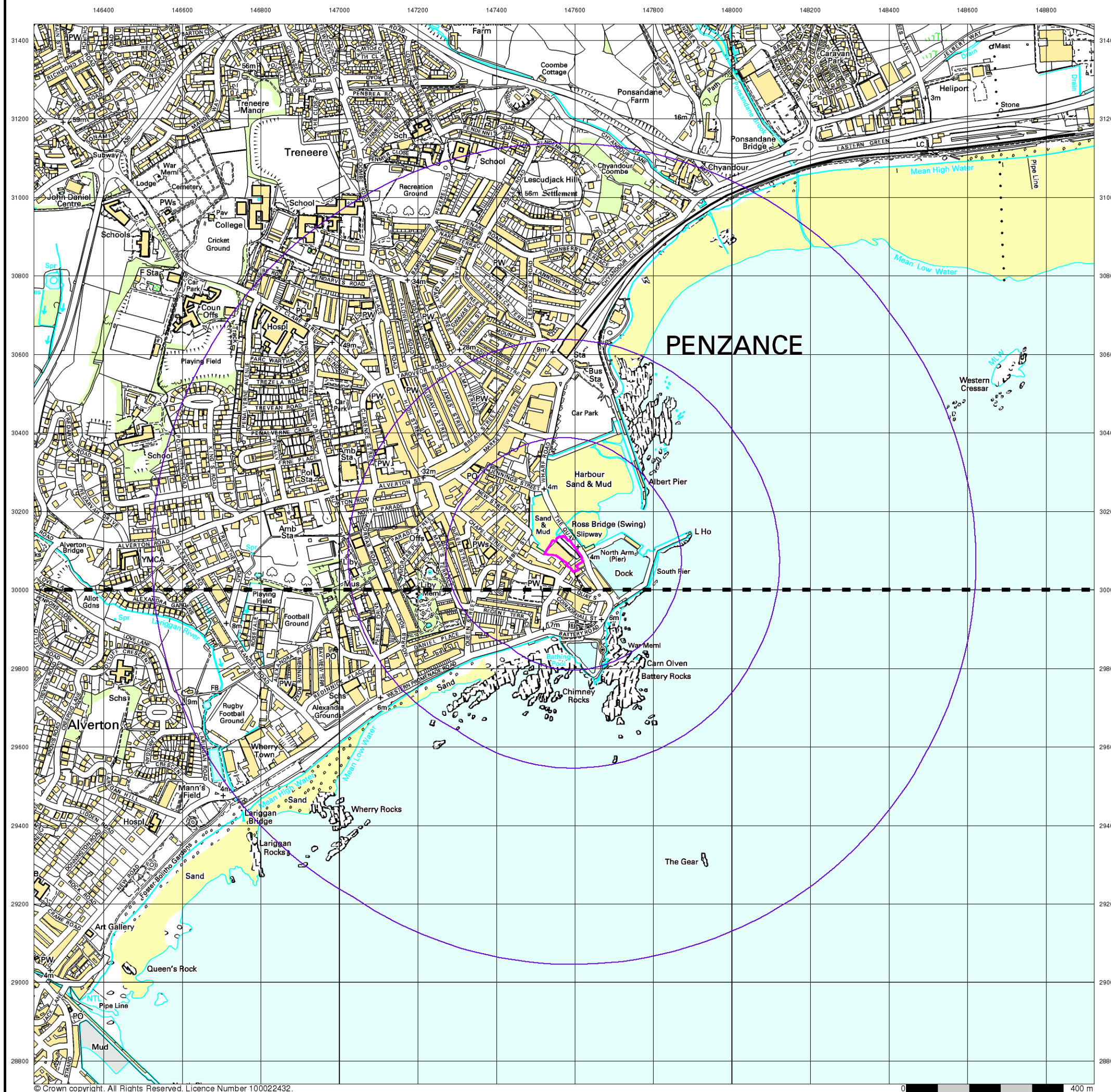
Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

### Site Details

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## VectorMap Local

Published 2024

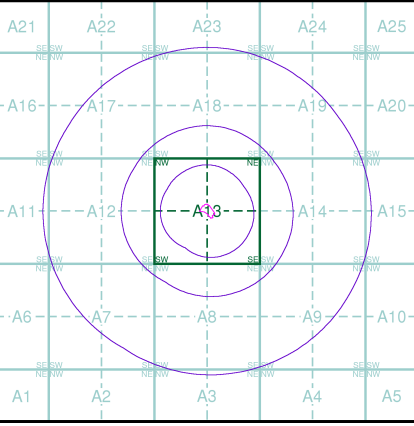
Source map scale - 1:10,000

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

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

SW43SE  
2024  
Variable  
SW42NE  
2024  
Variable

## Historical Map - Slice A



## Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

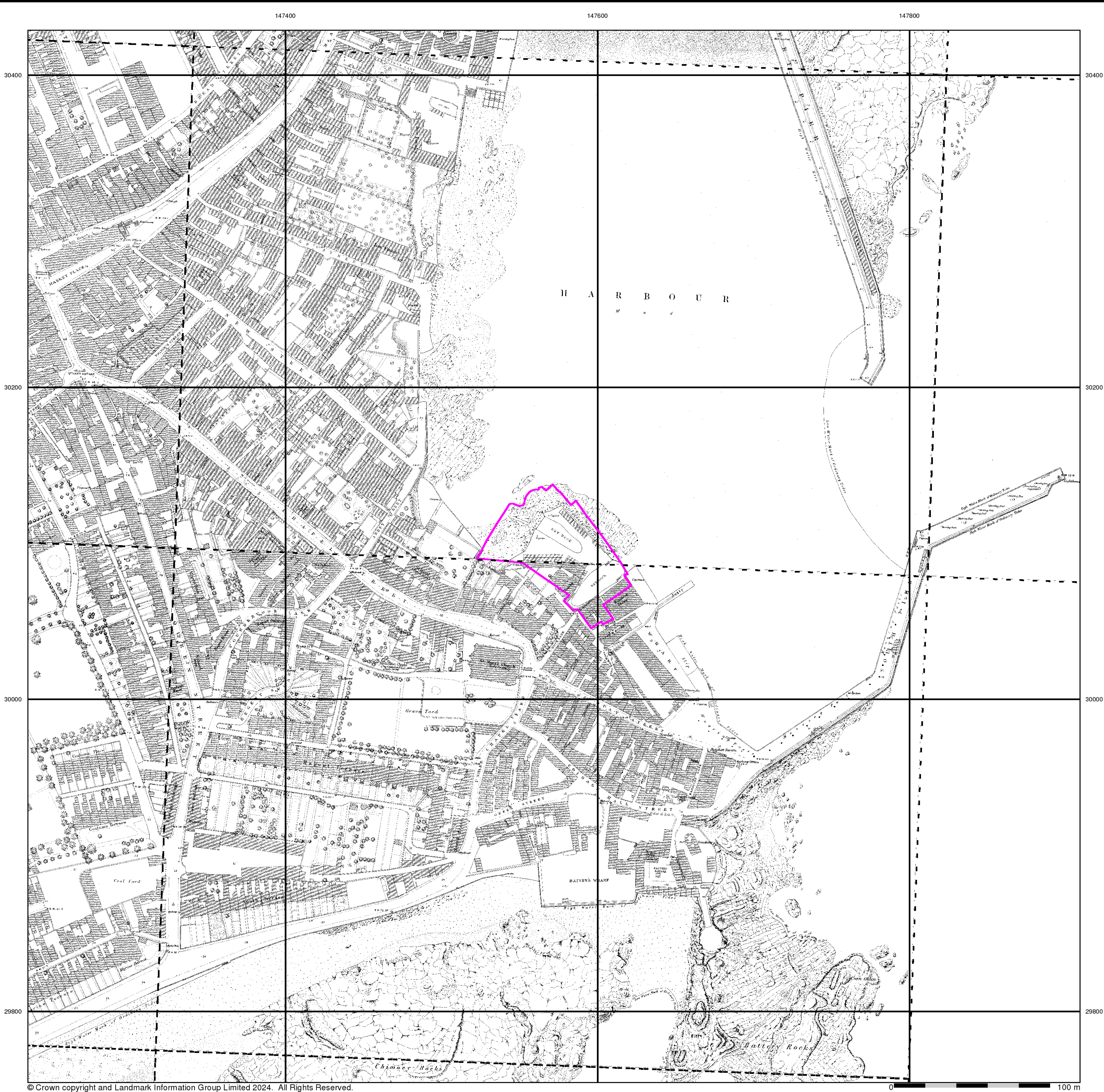
## Site Details

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## Cornwall & Isles Of Scilly

Published 1877 - 1879

Source map scale - 1:500

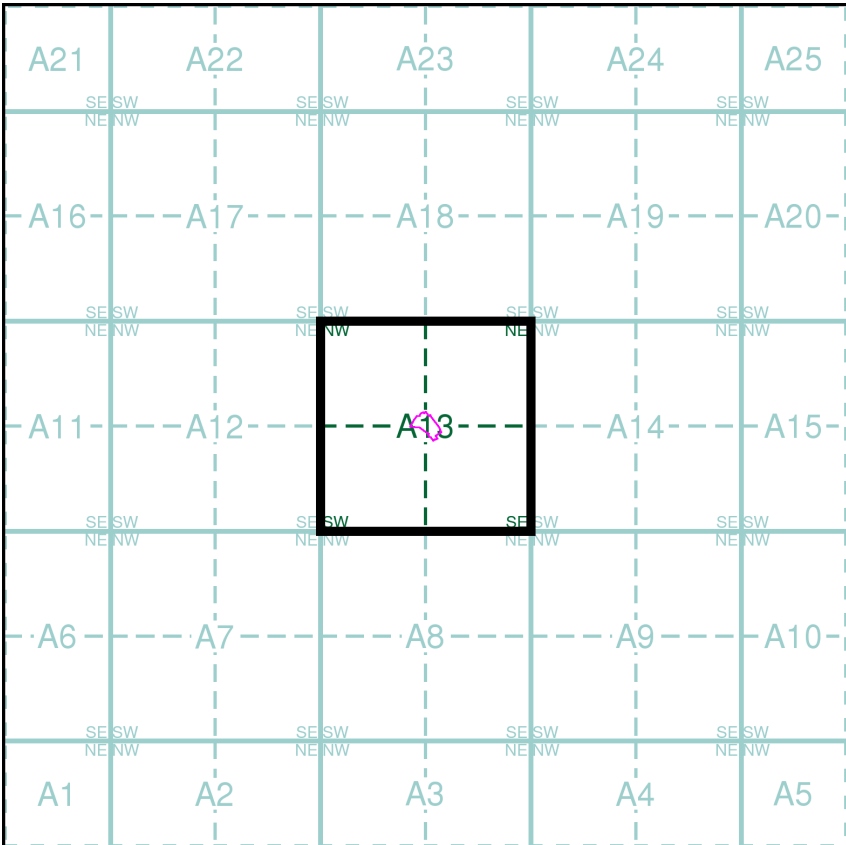
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

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

J74_02_0074_02_018		
1878	1878	
1:500	1:500	
J74_02_0074_02_023	J74_02_0074_02_023	
1878	1878	1879
1:500	1:500	1:500
J74_06_0074_06_003		
1879	1878	
1:500	1:500	
J74_06_0074_06_008		
1878	1877	
1:500	1:500	

### Historical Town Plan - Segment A13



### Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 0

### Site Details

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# Historical Mapping Legends

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



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



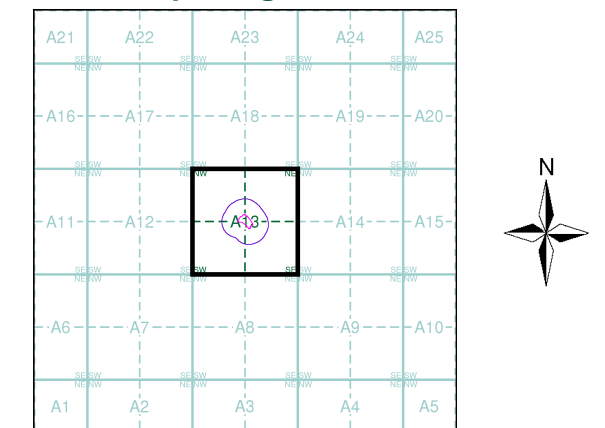
## Large-Scale National Grid Data 1:2,500 and 1:1,250



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cornwall & Isles Of Scilly	1:2,500	1878 - 1882	2
Cornwall & Isles Of Scilly	1:2,500	1908	3
Cornwall & Isles Of Scilly	1:2,500	1936	4
Ordnance Survey Plan	1:2,500	1962 - 1963	5
Ordnance Survey Plan	1:2,500	1968 - 1970	6
Supply of Unpublished Survey Information	1:2,500	1973 - 1975	7
Additional SIMs	1:2,500	1983	8
Ordnance Survey Plan	1:1,250	1988 - 1989	9
Large-Scale National Grid Data	1:1,250	1994	10
Historical Aerial Photography	1:2,500	1999	11

## Historical Map - Segment A13



## Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

## Site Details

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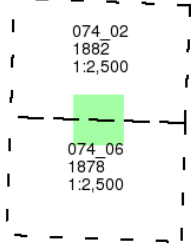
## Cornwall & Isles Of Scilly

Published 1878 - 1882

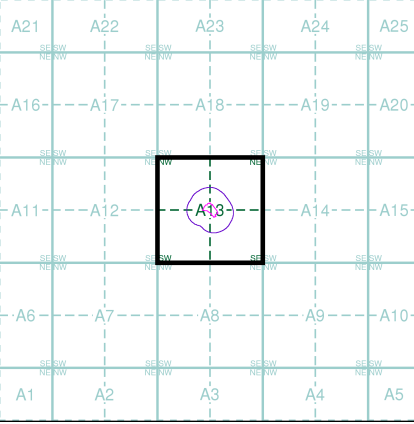
Source map scale - 1:2,500

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: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

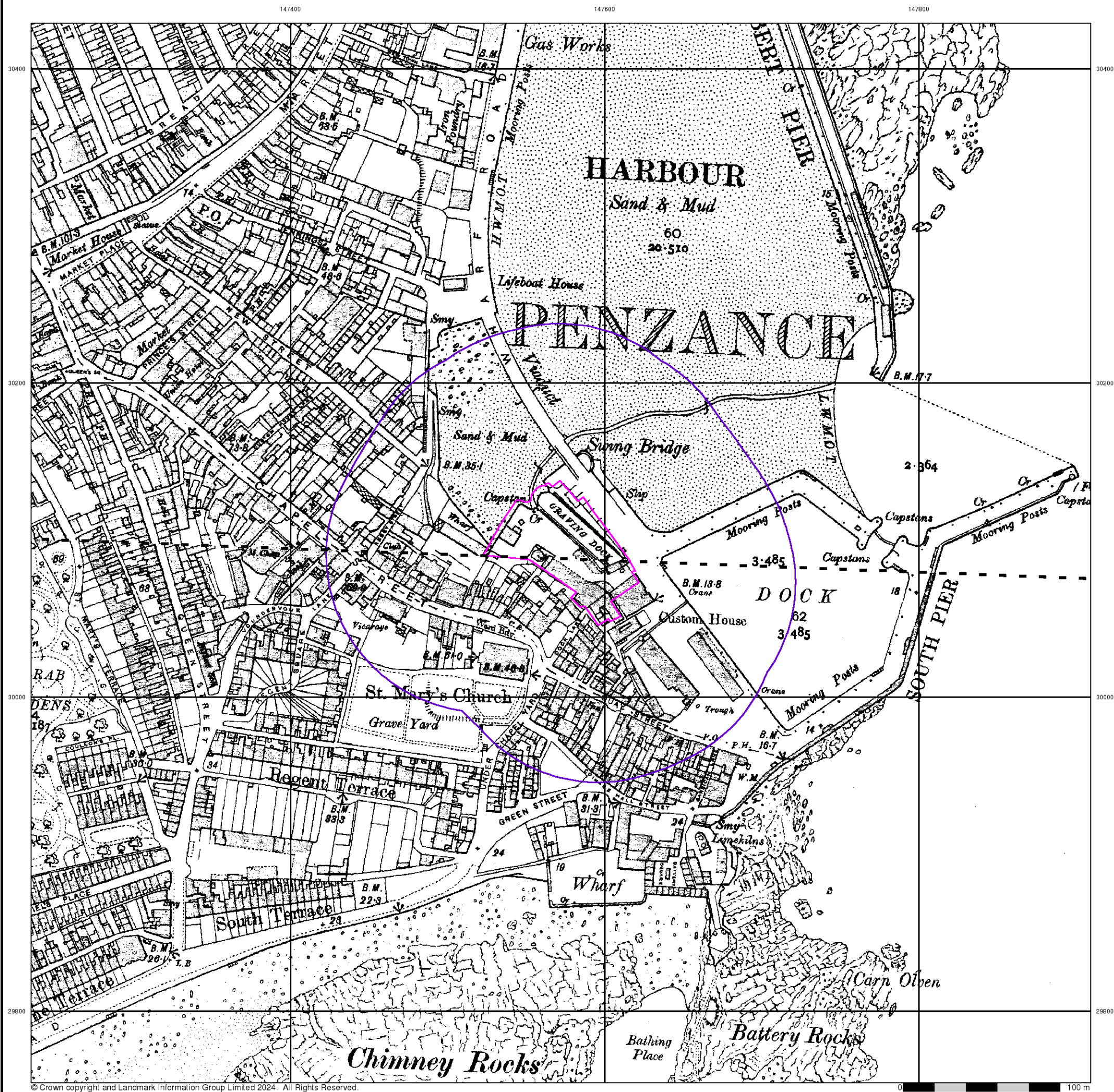
### Site Details

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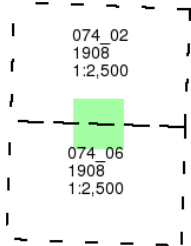
## Cornwall & Isles Of Scilly

Published 1908

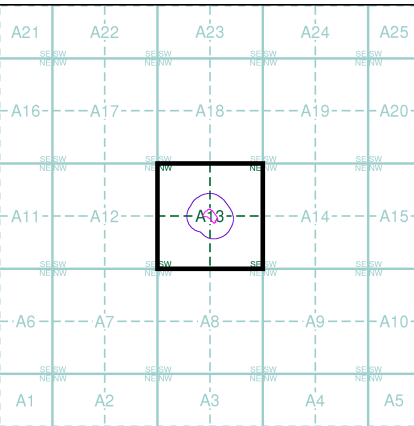
Source map scale - 1:2,500

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: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

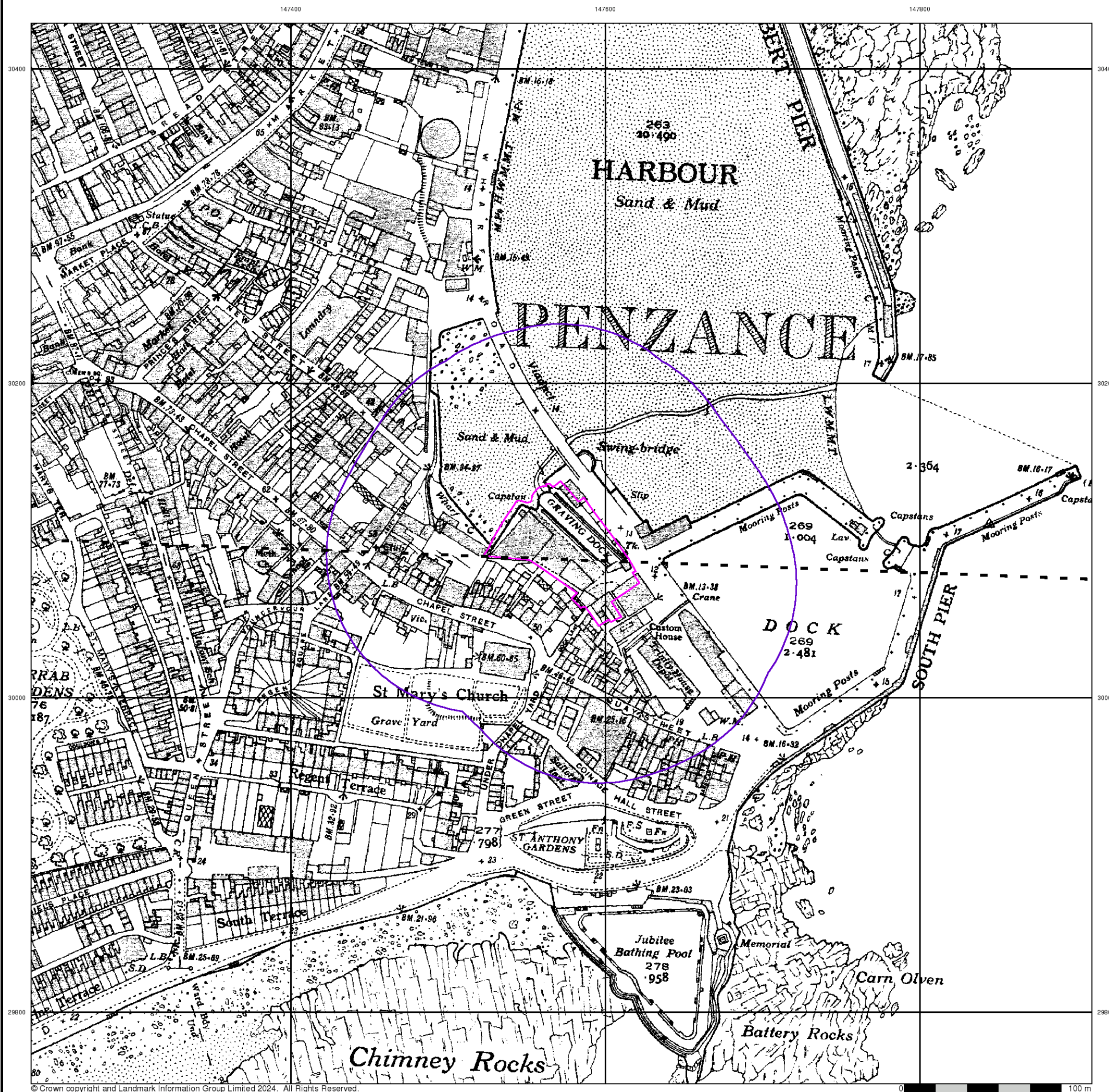
### Site Details

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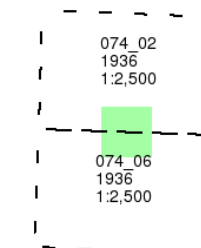
## Cornwall & Isles Of Scilly

Published 1936

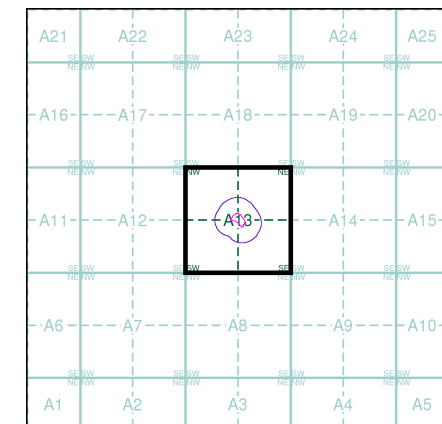
Source map scale - 1:2,500

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

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



### Historical Map - Segment A13



### Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

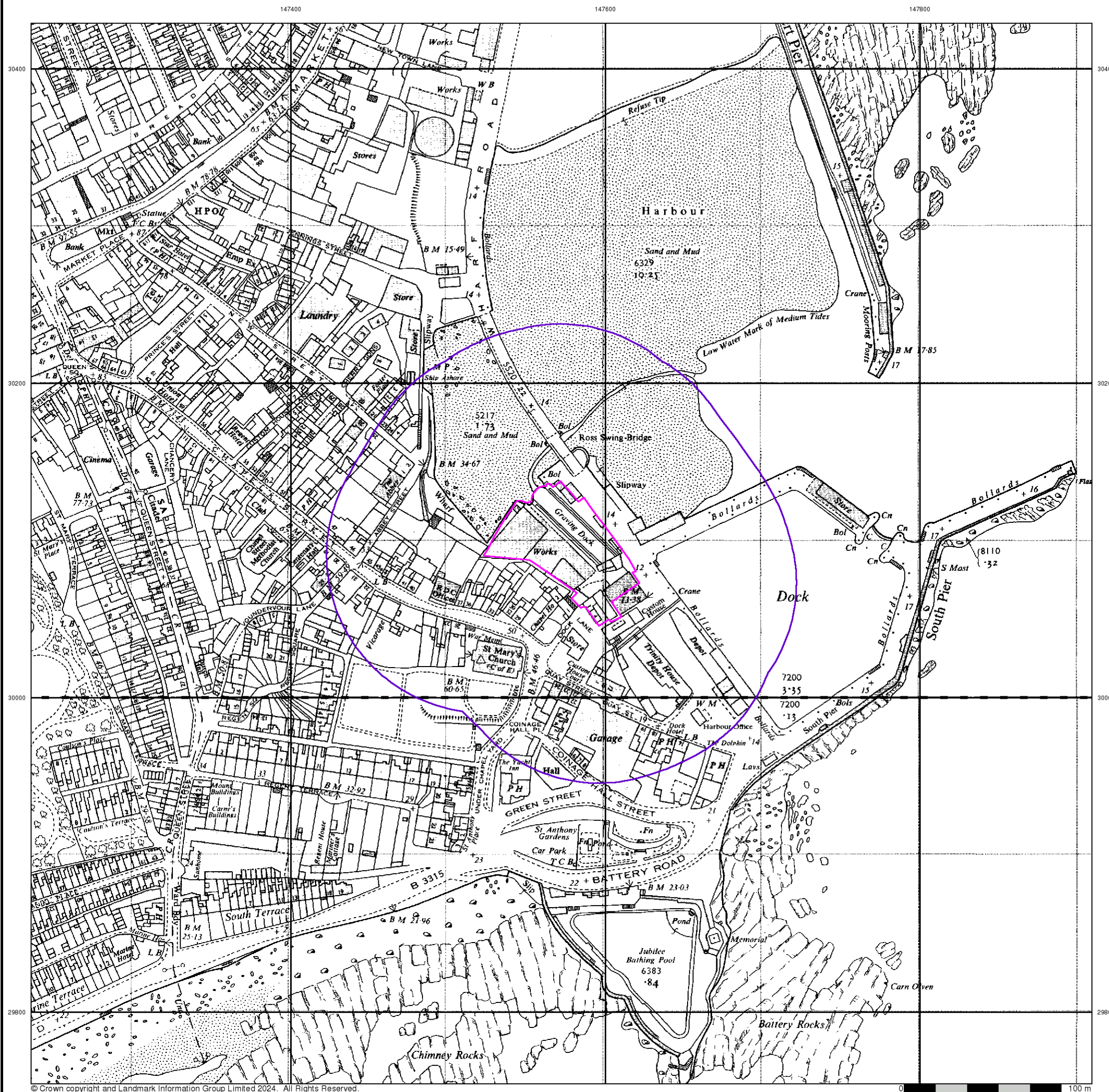
### Site Details

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## Ordnance Survey Plan

Published 1962 - 1963

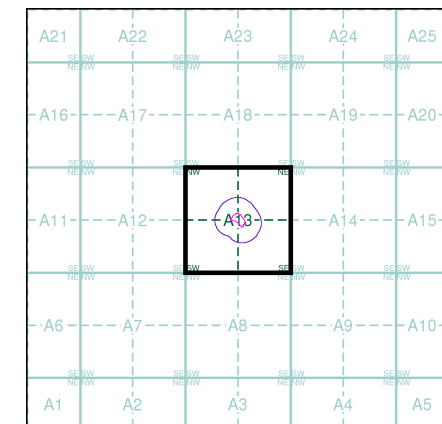
Source map scale - 1:2,500

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)

SW4730
1963
1:2,500
SW4729
1962
1:2,500

### Historical Map - Segment A13



### Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

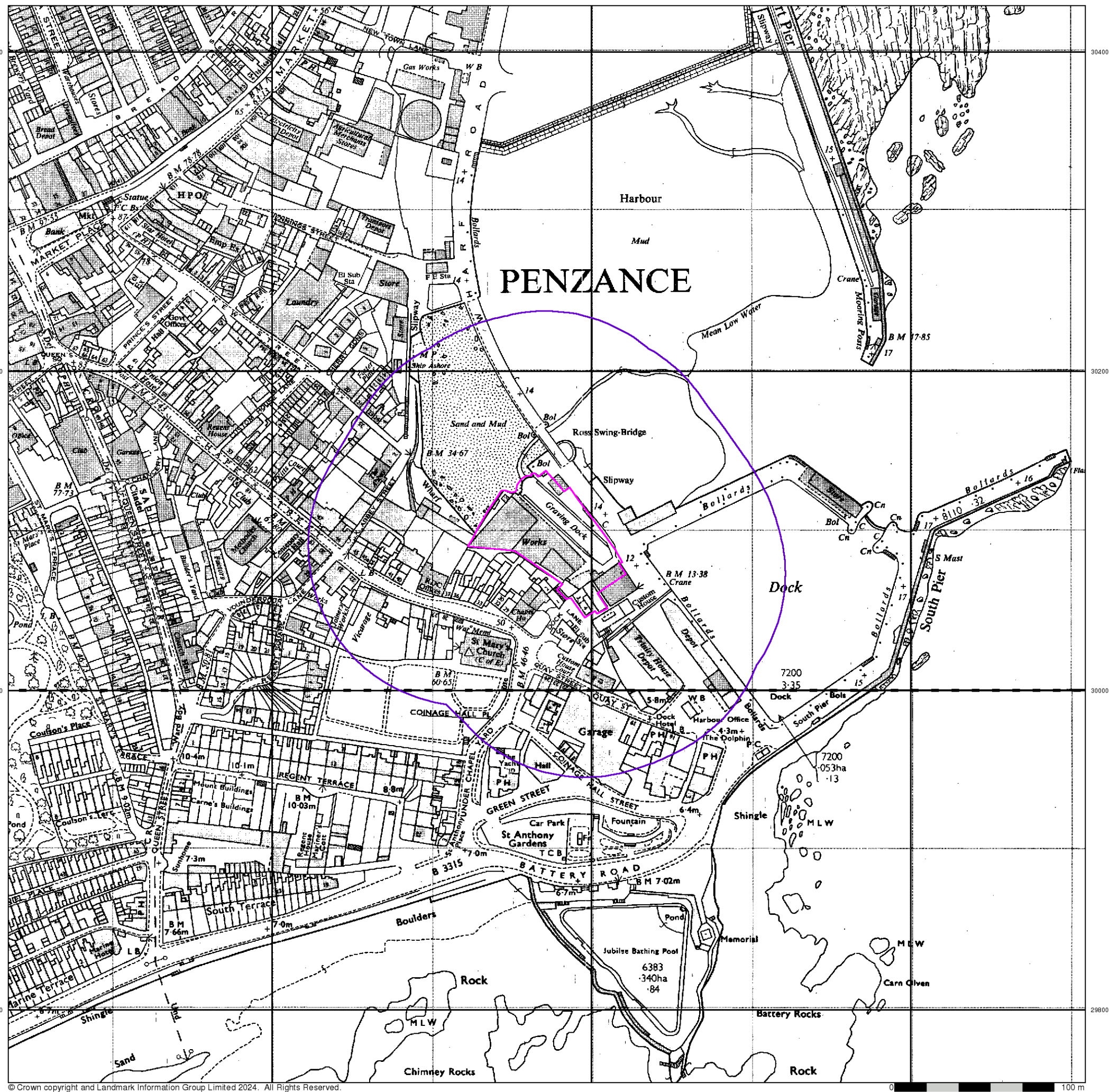
### Site Details

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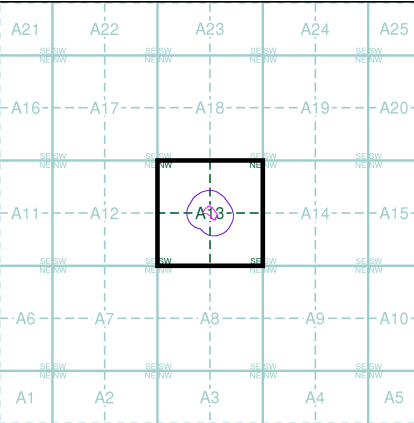
**Ordnance Survey Plan**  
**Published 1968 - 1970**  
**Source map scale - 1:2,500**

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)**

SW4730
1968
1:2,500
SW4729
1970
1:2,500

**Historical Map - Segment A13**



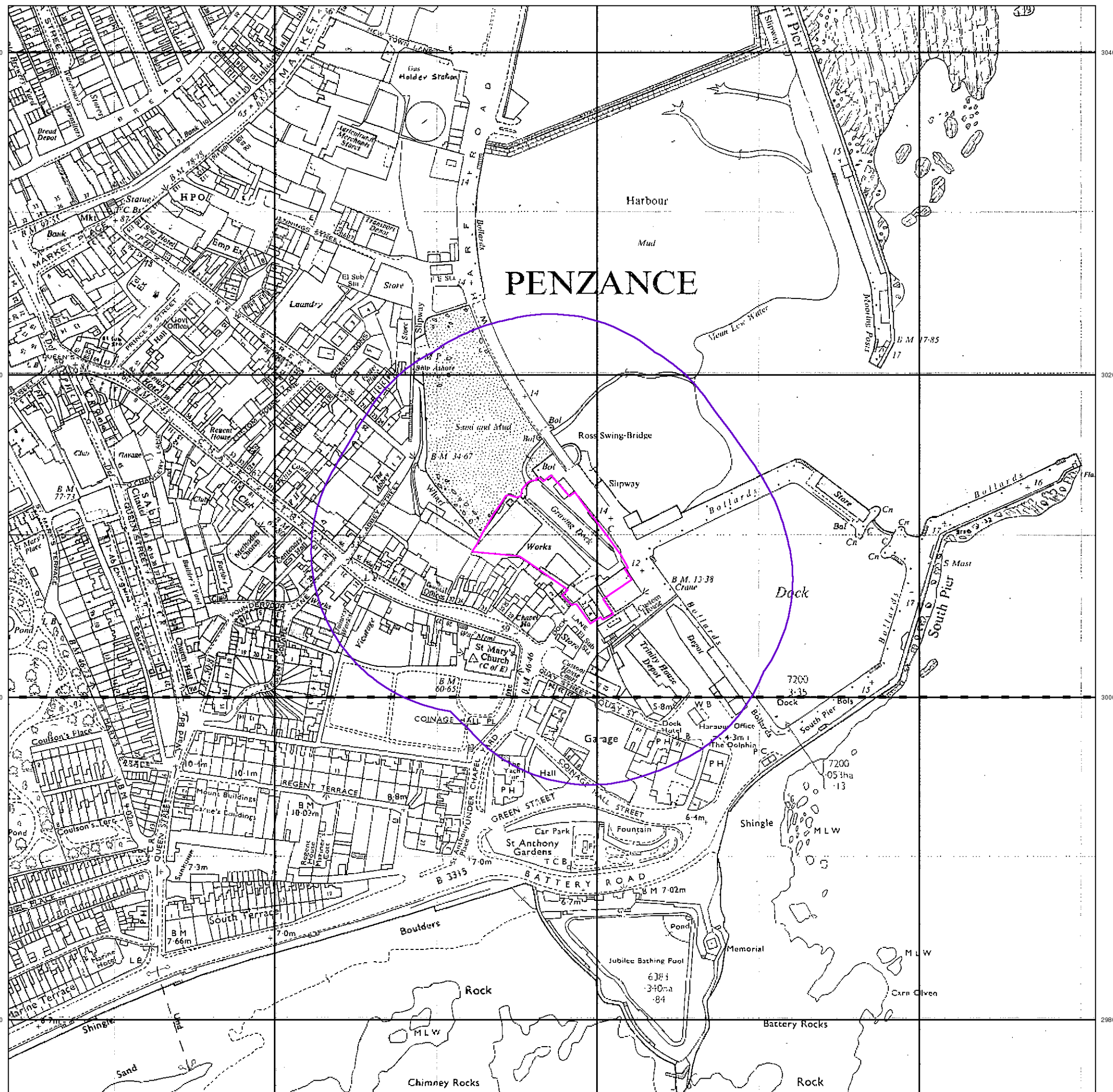
**Order Details**  
Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

**Site Details**  
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## Supply of Unpublished Survey Information

Published 1973 - 1975

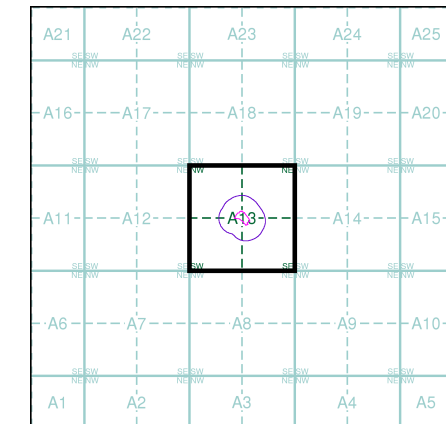
Source map scale - 1:2,500

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

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

SW4730	1975	1:2,500
SW4729	1973	1:2,500

### Historical Map - Segment A13



### Order Details

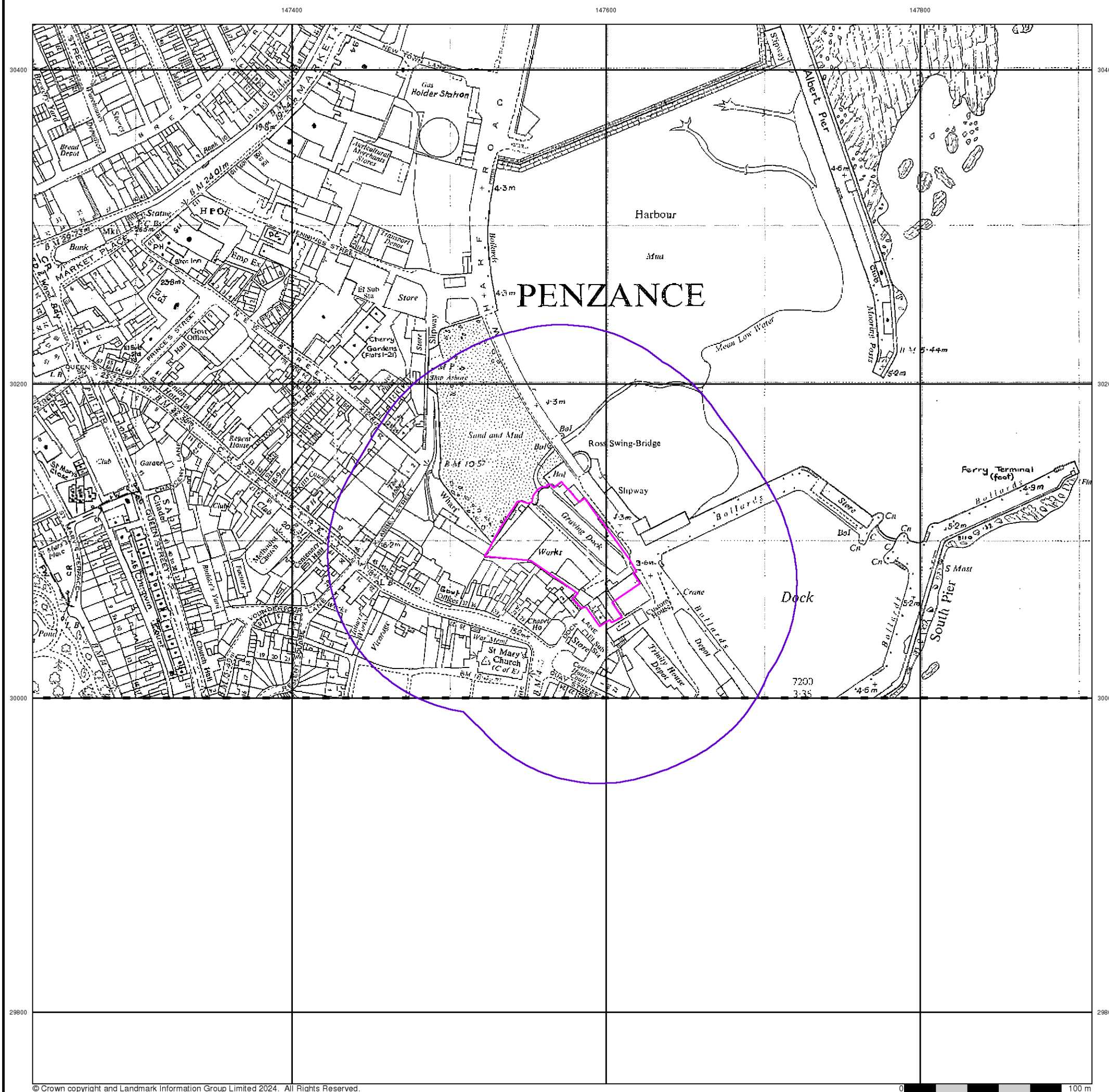
Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

### Site Details

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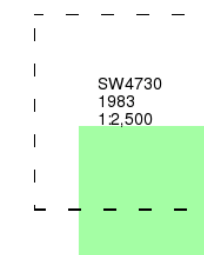
## Additional SIMs

Published 1983

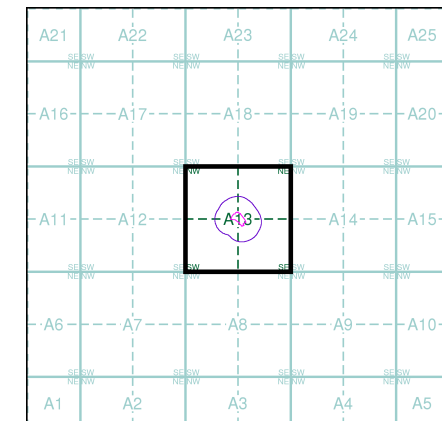
**Source map scale - 1:2,500**

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

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



## Historical Map - Segment A13



## Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

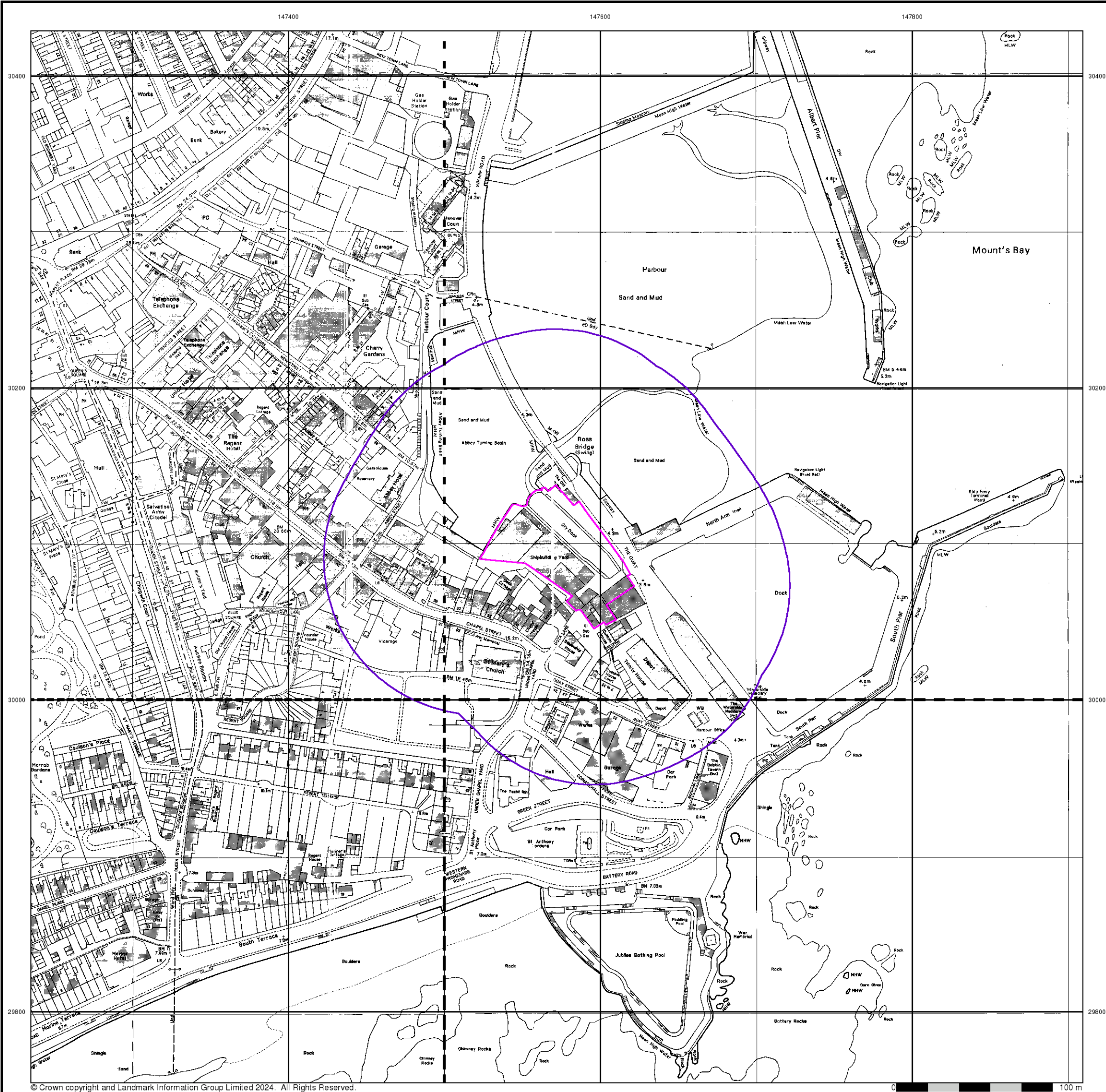
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**Ordnance Survey Plan**

**Published 1988 - 1989**

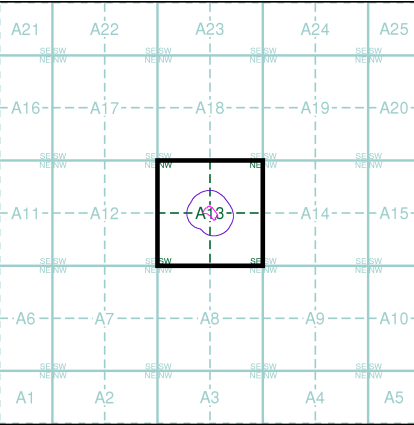
**Source map scale - 1:1,250**

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)**

SW4730SW 1989 1:1,250	SW4730SE 1989 1:1,250
SW4729NW 1988 1:1,250	SW4729NE 1988 1:1,250

**Historical Map - Segment A13**



**Order Details**

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

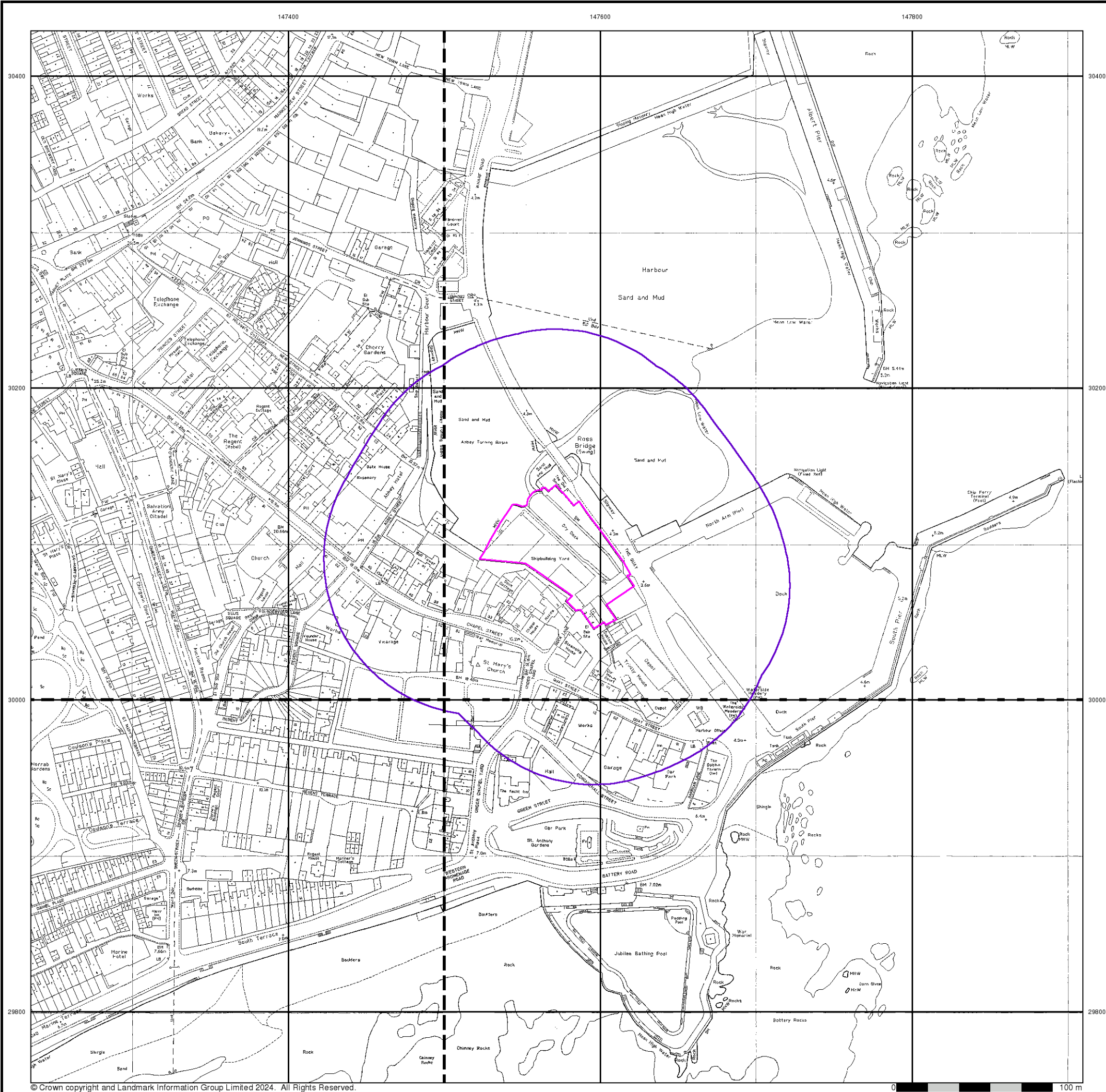
**Site Details**

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## Large-Scale National Grid Data

Published 1994

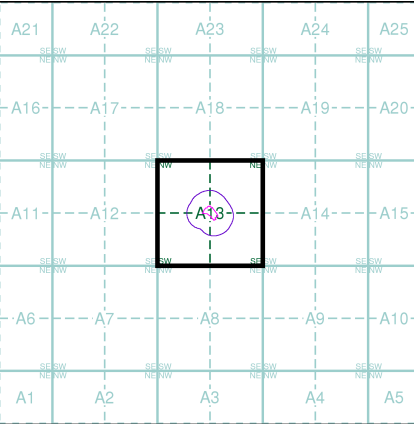
Source map scale - 1:1,250

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

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

SW4730SW 1994 1:1,250	SW4730SE 1994 1:1,250
SW4729NW 1994 1:1,250	SW4729NE 1994 1:1,250

### Historical Map - Segment A13



### Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

### Site Details

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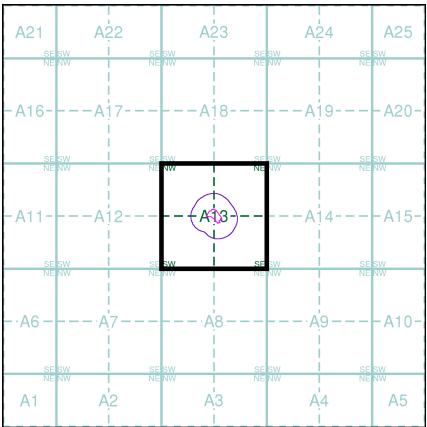


## Historical Aerial Photography

### Published 1999

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

### Historical Aerial Photography - Segment A13



### Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 100

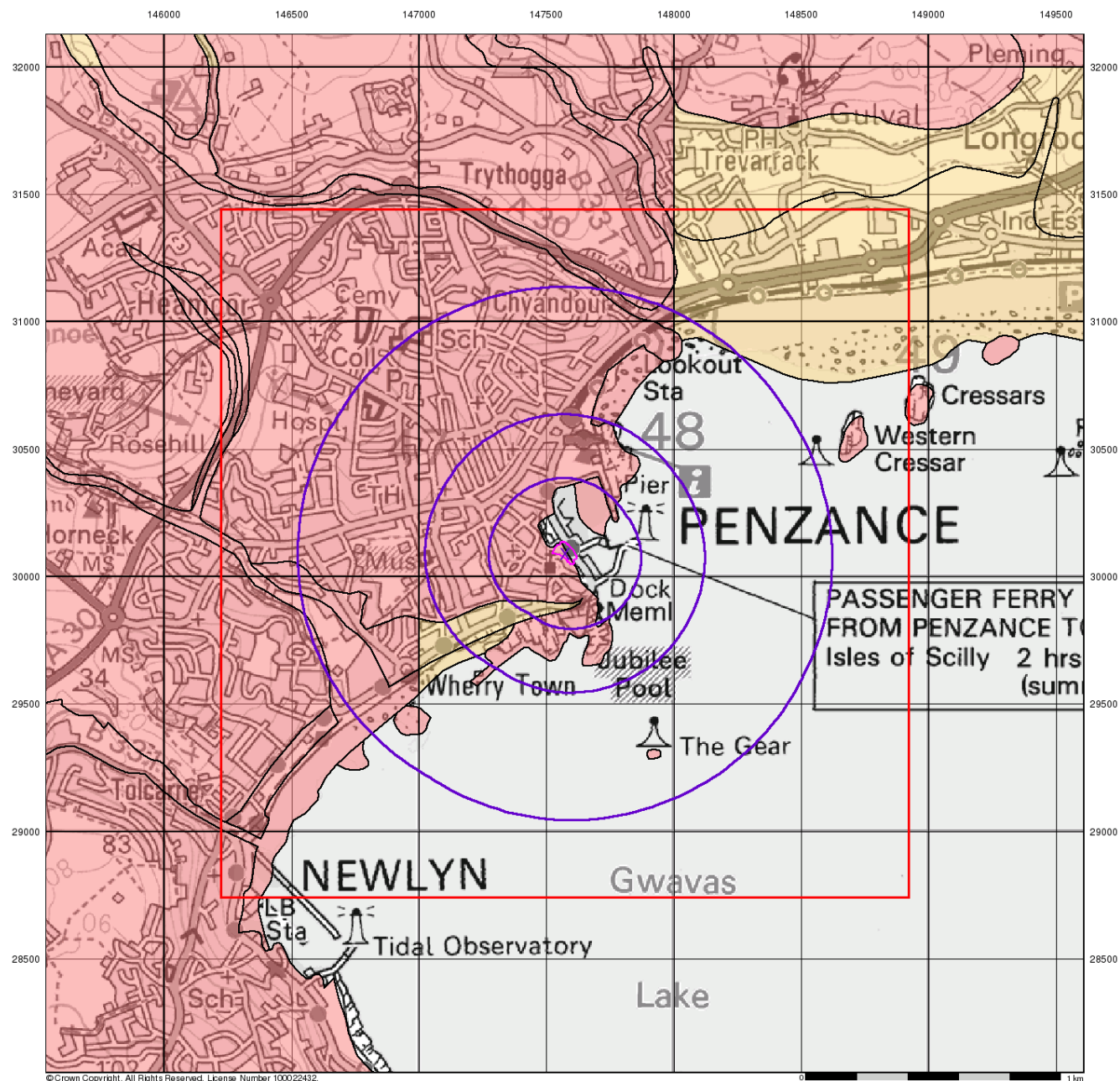
### Site Details

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## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Bedrock Aquifers

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

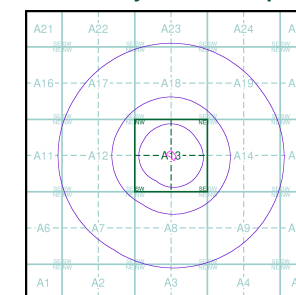
#### Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

### Site Sensitivity Context Map - Slice A



### Order Details

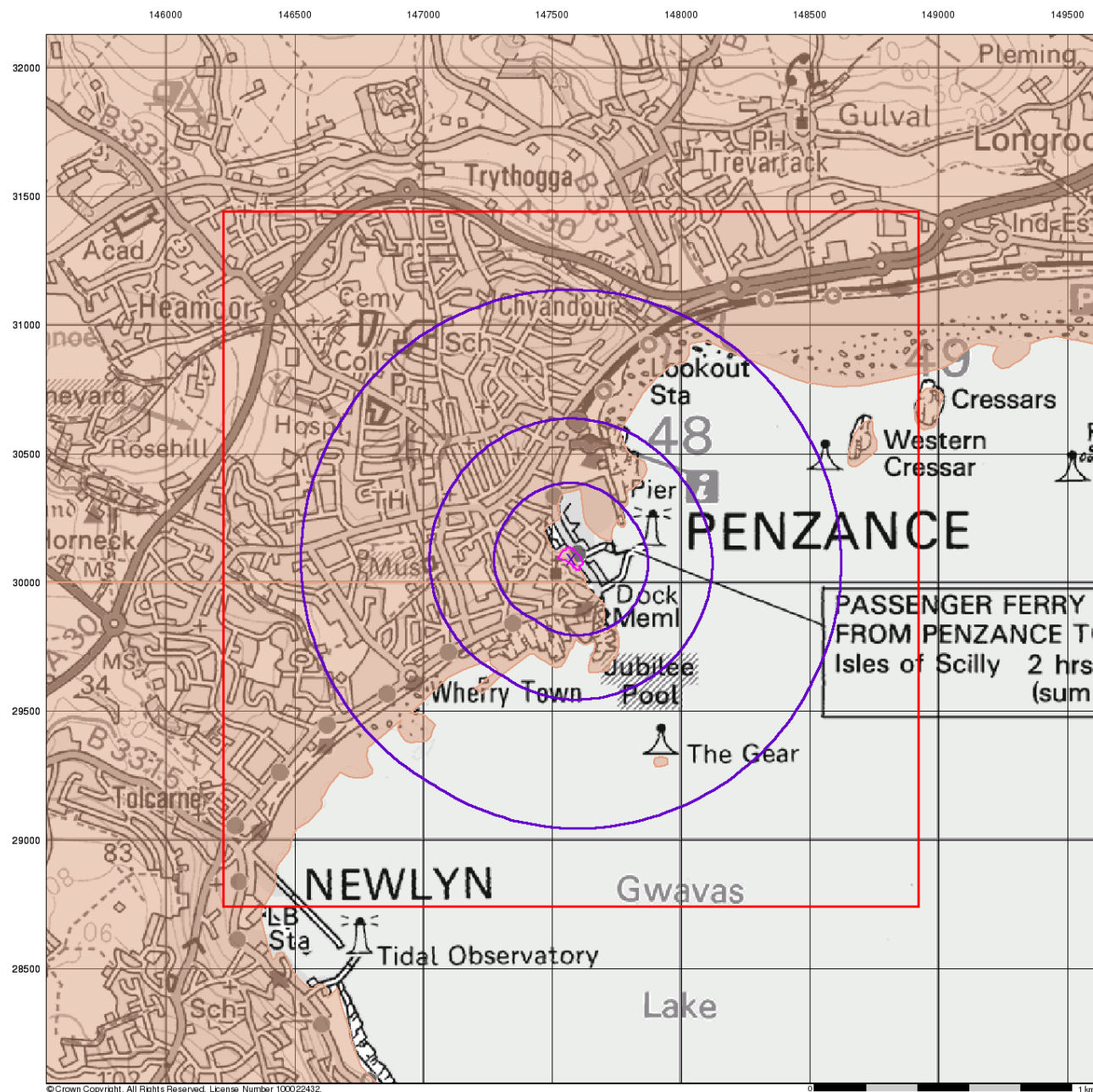
Order Number: 347772129\_1\_1  
 Customer Ref: 24093  
 National Grid Reference: 147570, 30090  
 Slice: A  
 Site Area (Ha): 0.43  
 Search Buffer (m): 1000

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## Bedrock Aquifer Designation

### General

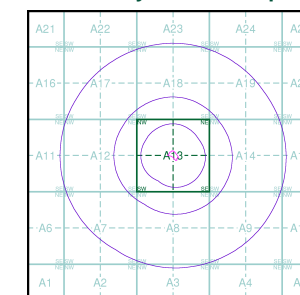
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 347772129\_1\_1  
 Customer Ref: 24093  
 National Grid Reference: 147570, 30090  
 Slice: A  
 Site Area (Ha): 0.43  
 Search Buffer (m): 1000

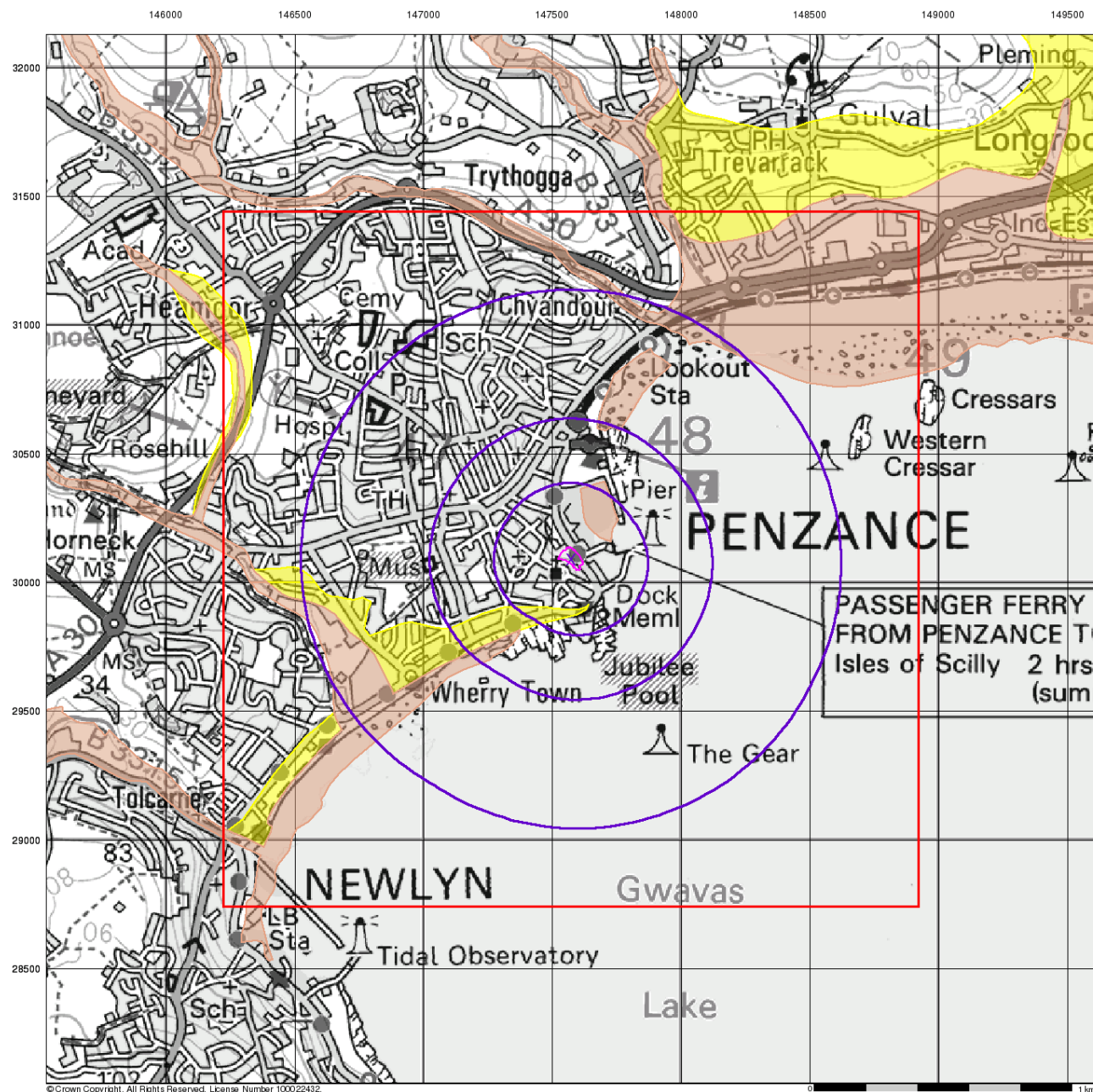
### Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

**Landmark**  
 INFORMATION GROUP

Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: [www.ernirocheck.co.uk](http://www.ernirocheck.co.uk)





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## Superficial Aquifer Designation

### General

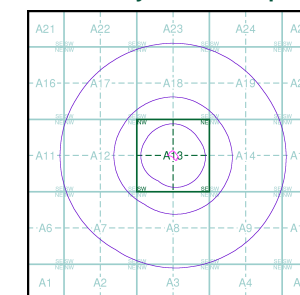
- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

### 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

Order Number: 347772129\_1\_1  
 Customer Ref: 24093  
 National Grid Reference: 147570, 30090  
 Slice: A  
 Site Area (Ha): 0.43  
 Search Buffer (m): 1000

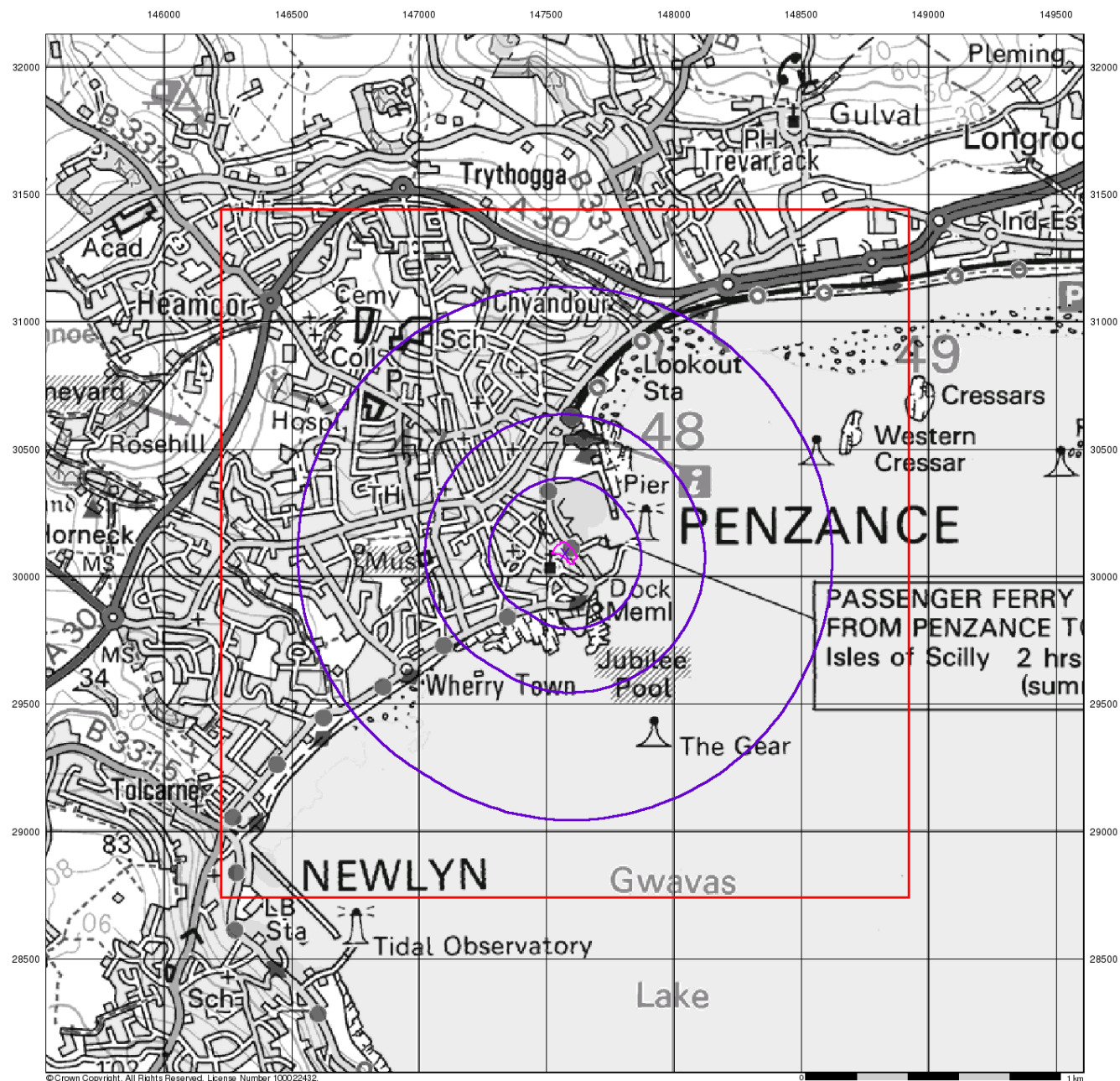
### Site Details

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**Landmark**  
 INFORMATION GROUP

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 Fax: 0844 844 9951  
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## Source Protection Zones

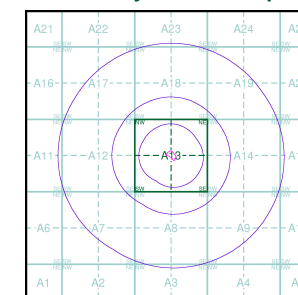
### General

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

### Agency and Hydrological

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

### Site Sensitivity Context Map - Slice A



### Order Details

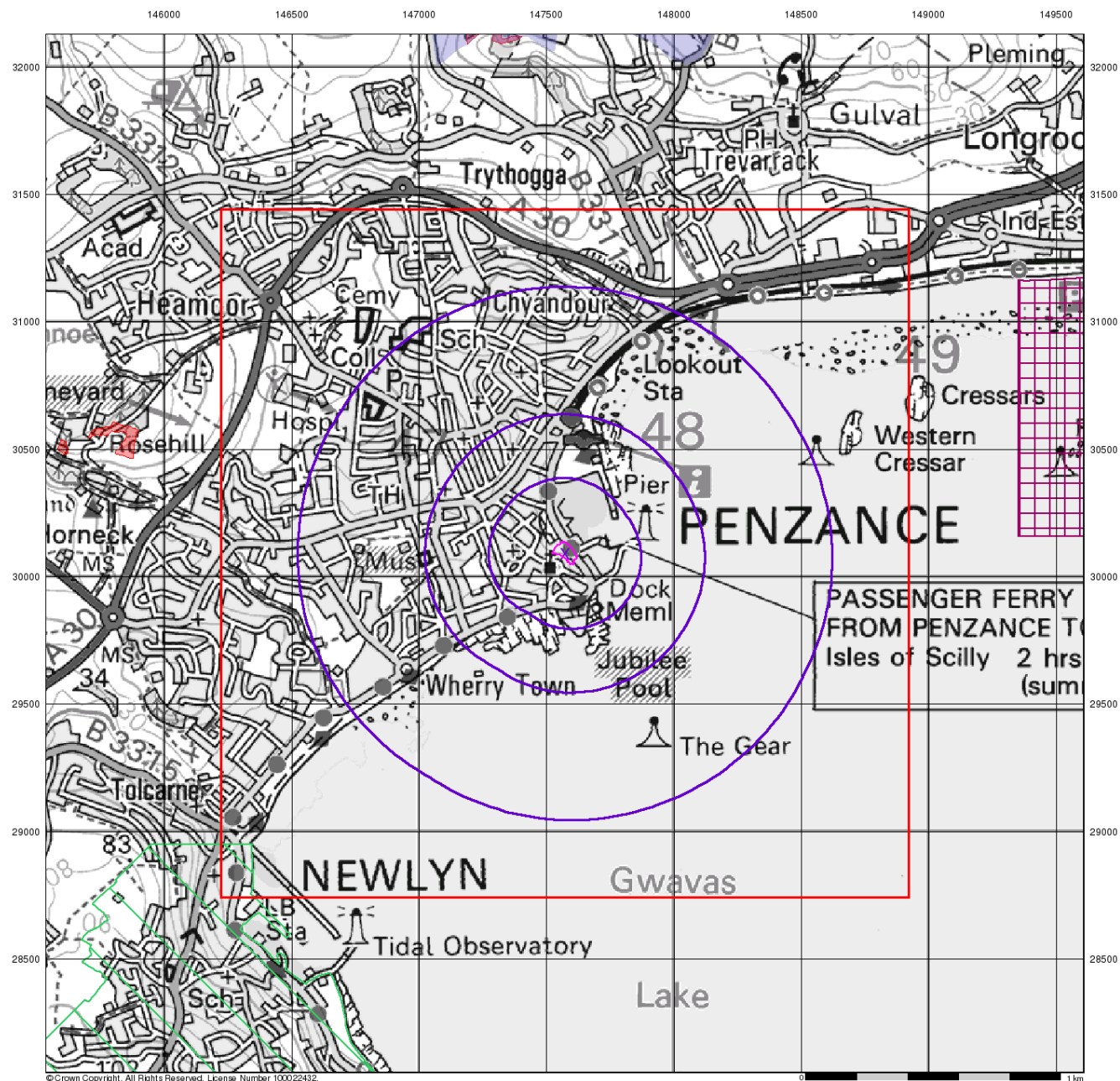
Order Number: 347772129\_1\_1  
 Customer Ref: 24093  
 National Grid Reference: 147570, 30090  
 Slice: A  
 Site Area (Ha): 0.43  
 Search Buffer (m): 1000

### Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

**Landmark**  
 INFORMATION GROUP

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## Sensitive Land Uses

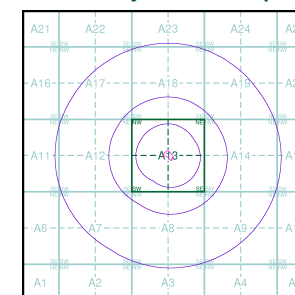
### General

- 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: 347772129\_1\_1  
 Customer Ref: 24093  
 National Grid Reference: 147570, 30090  
 Slice: A  
 Site Area (Ha): 0.43  
 Search Buffer (m): 1000

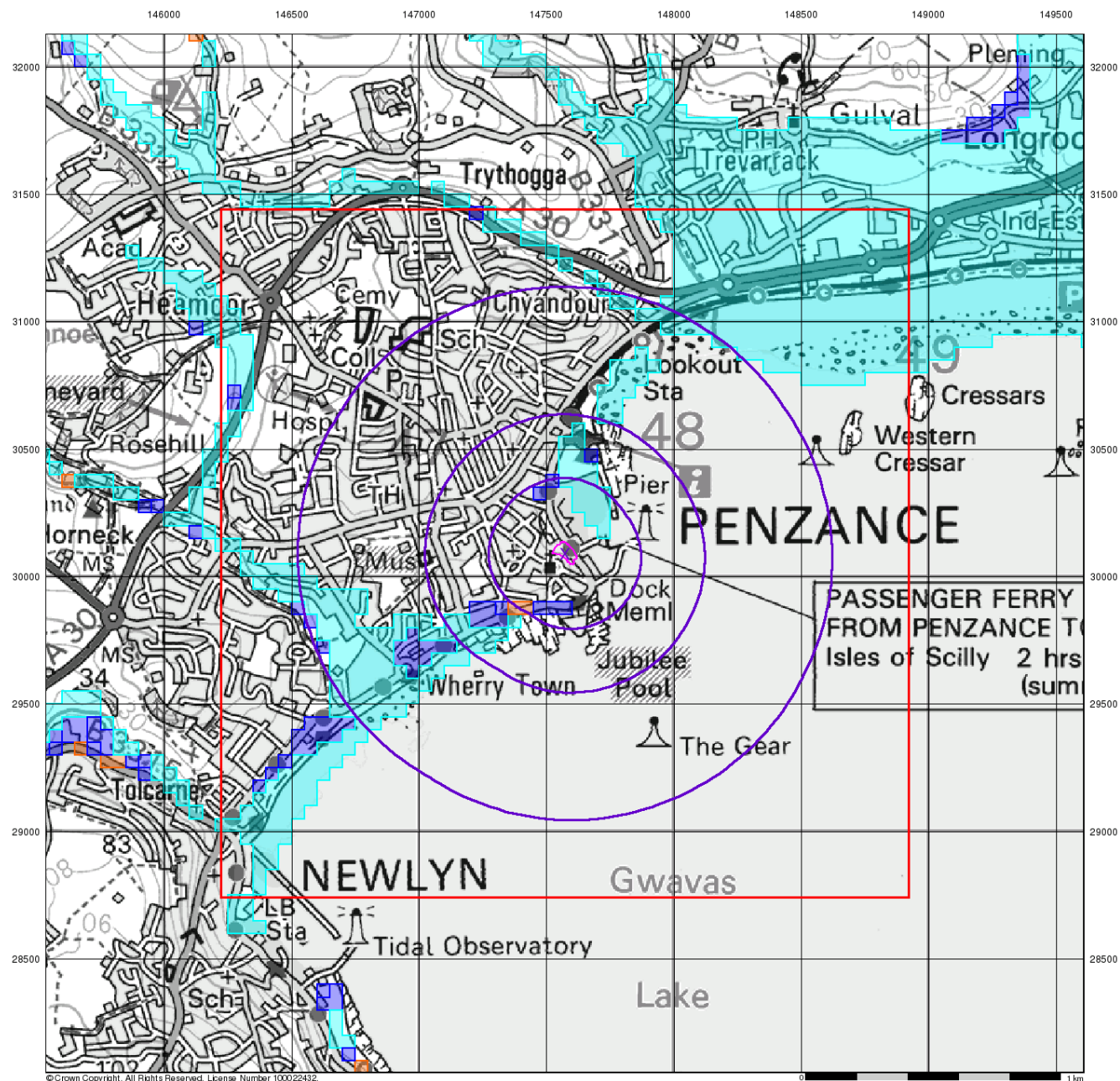
### Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

**Landmark**  
 INFORMATION GROUP

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## BGS Flood GFS Data

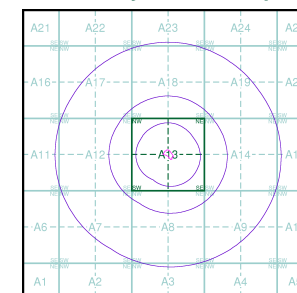
### General

- ◆ 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: 347772129\_1\_1  
 Customer Ref: 24093  
 National Grid Reference: 147570, 30090  
 Slice: A  
 Site Area (Ha): 0.43  
 Search Buffer (m): 1000

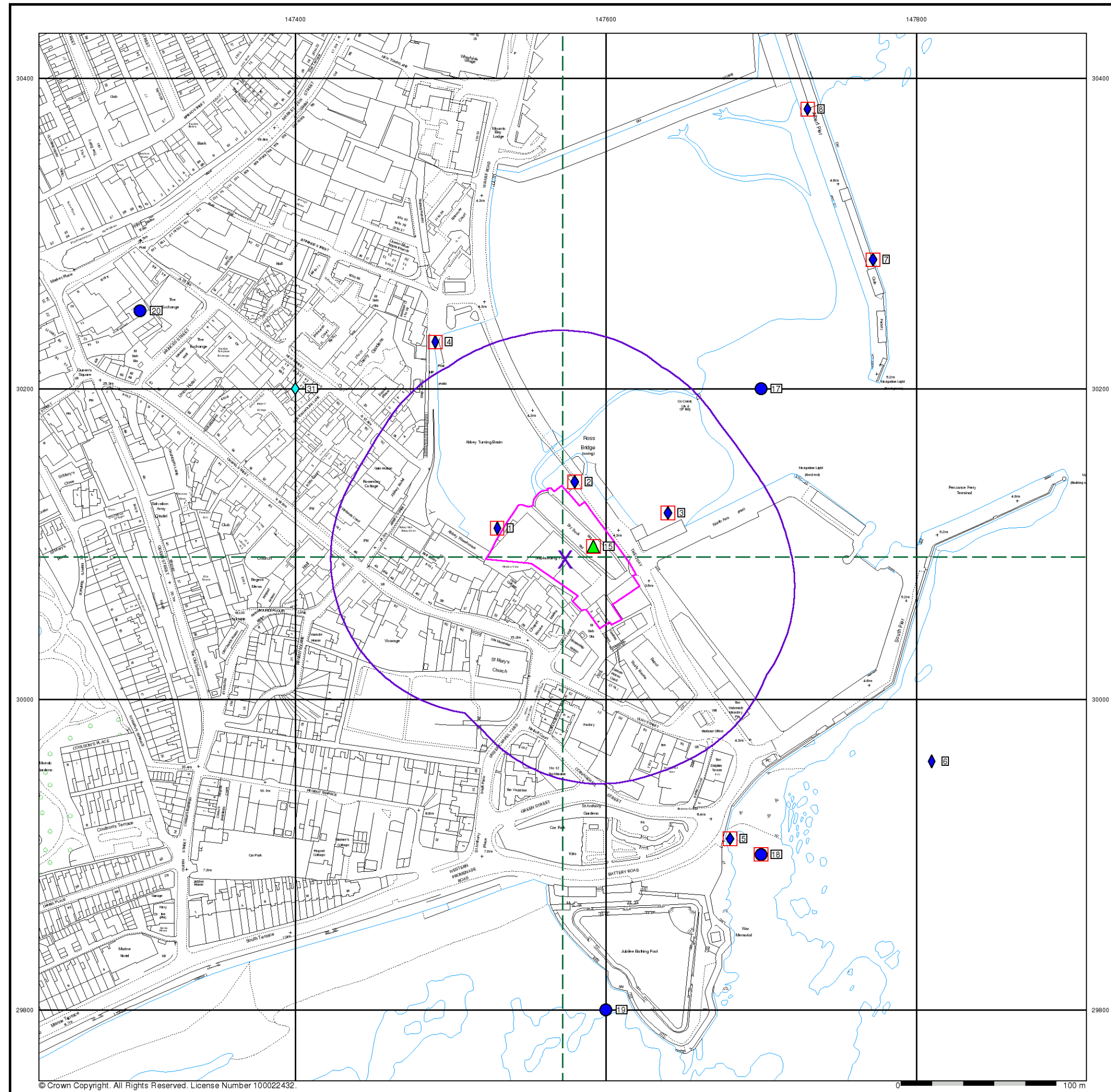
## Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

**Landmark**  
 INFORMATION GROUP

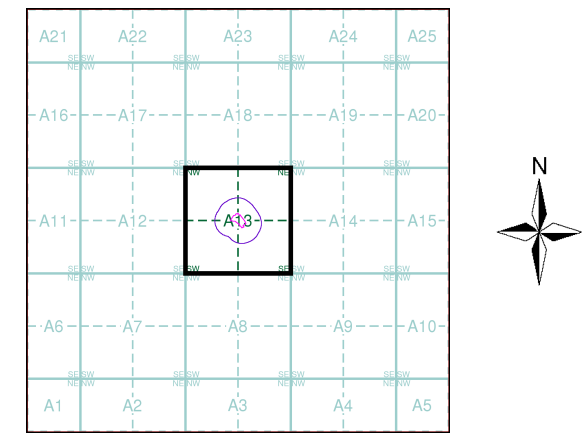
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk





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

### Site Sensitivity Map - Segment A13



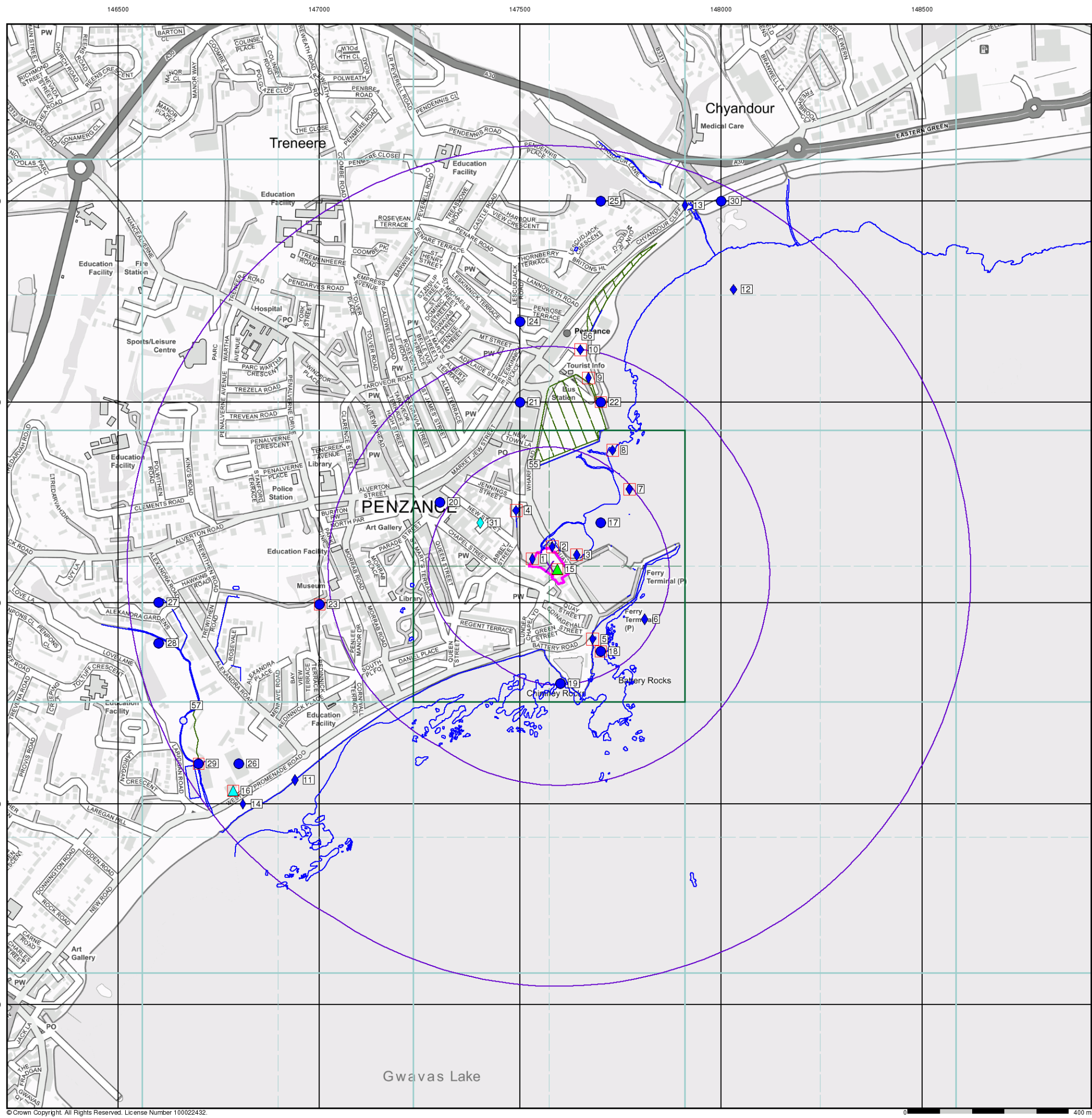
**Order Details**

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Plot Buffer (m): 100

**Site Details**

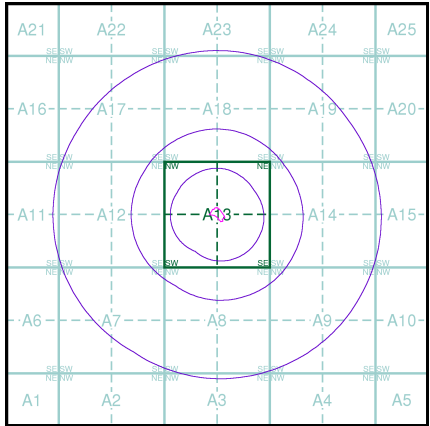
Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW





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

### Site Sensitivity Map - Slice A



### Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

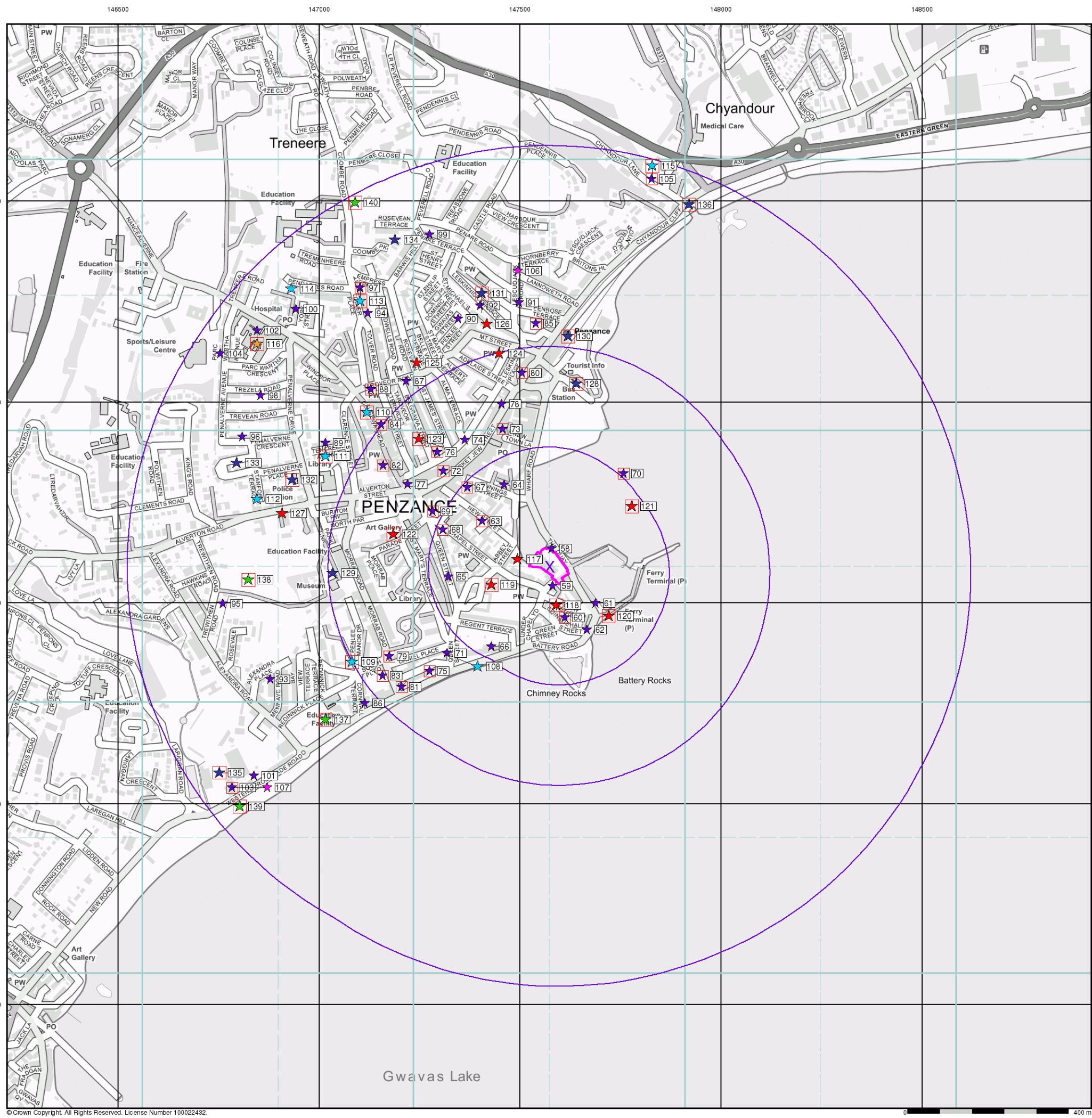
### Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





## Industrial Land Use Map

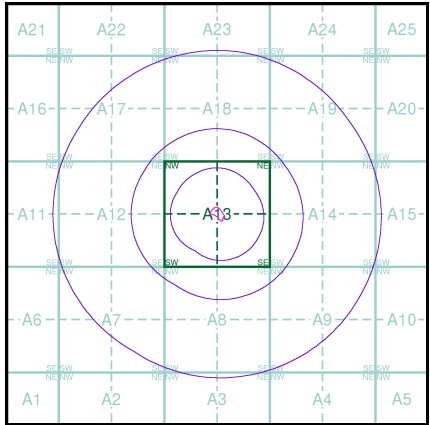
### General

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

### Industrial Land Use

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

## Industrial Land Use Map - Slice A



### Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

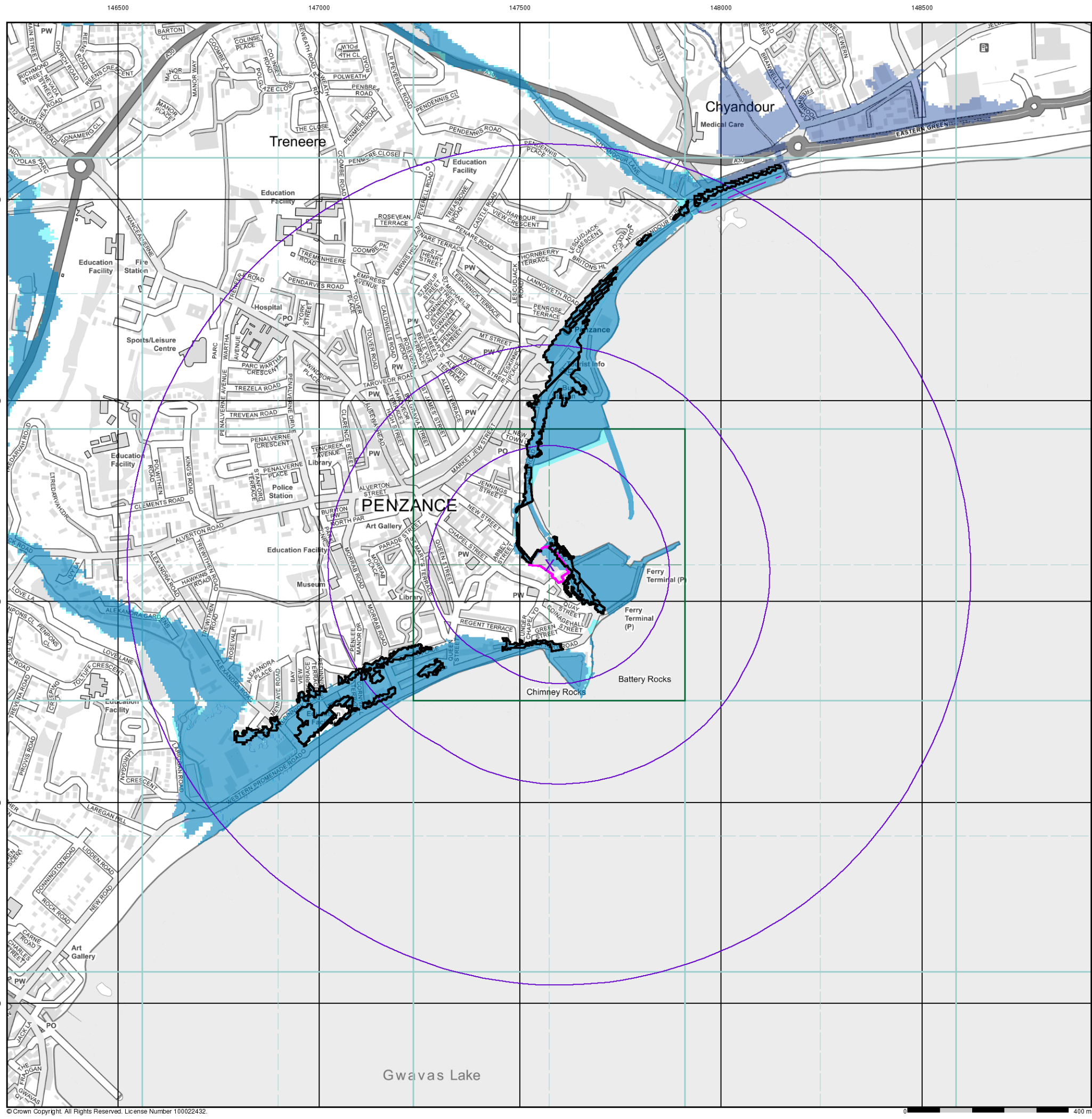
### Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





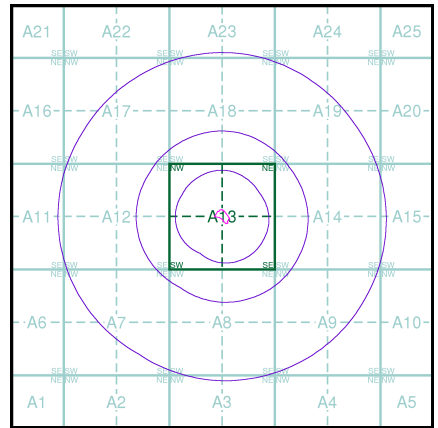
**General**

- 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: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

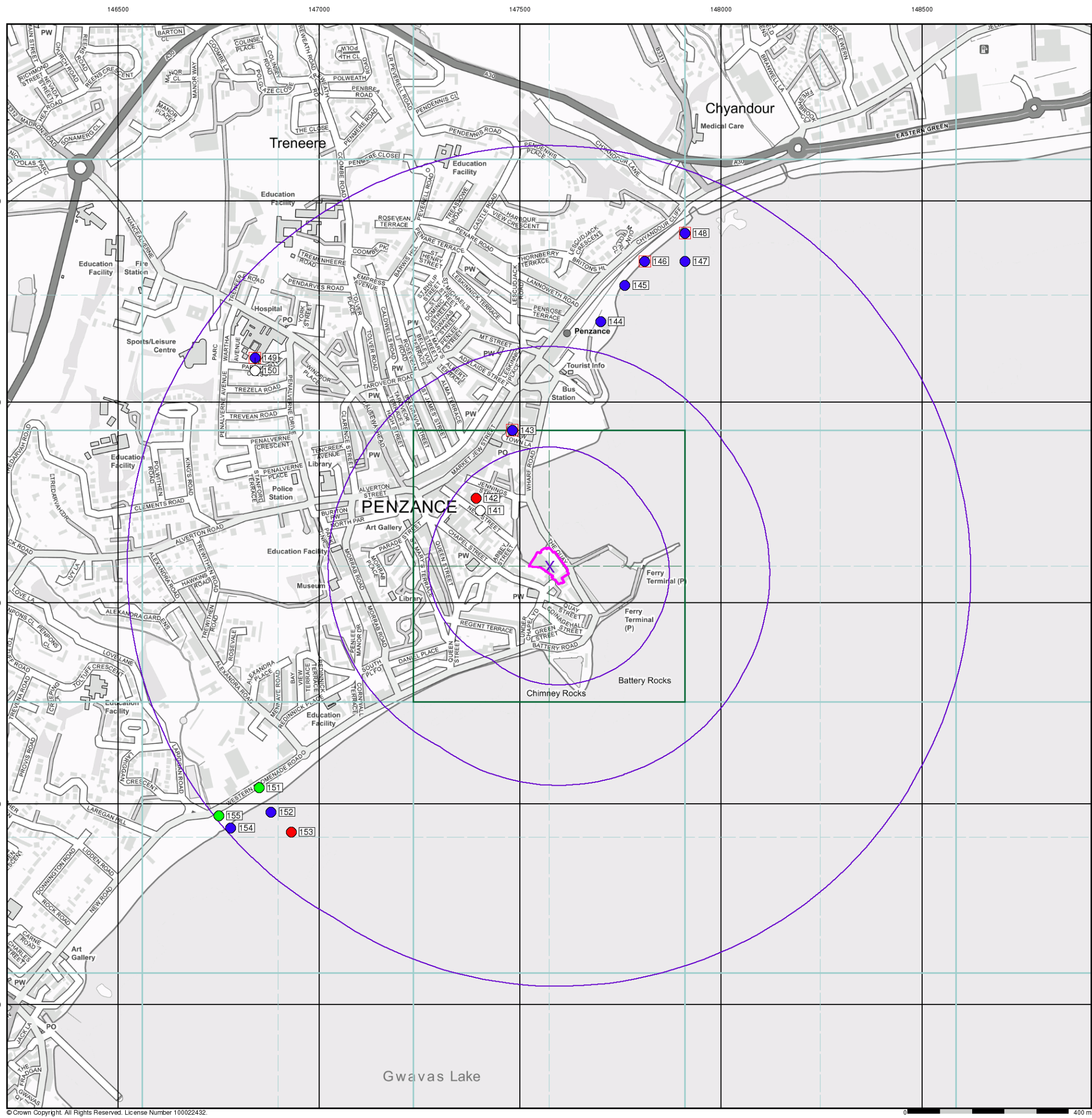
**Site Details**

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Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





### General

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

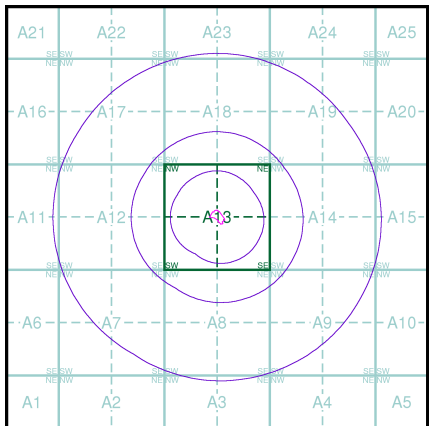
### Agency and Hydrological (Boreholes)

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

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

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

### Borehole Map - Slice A



### Order Details

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

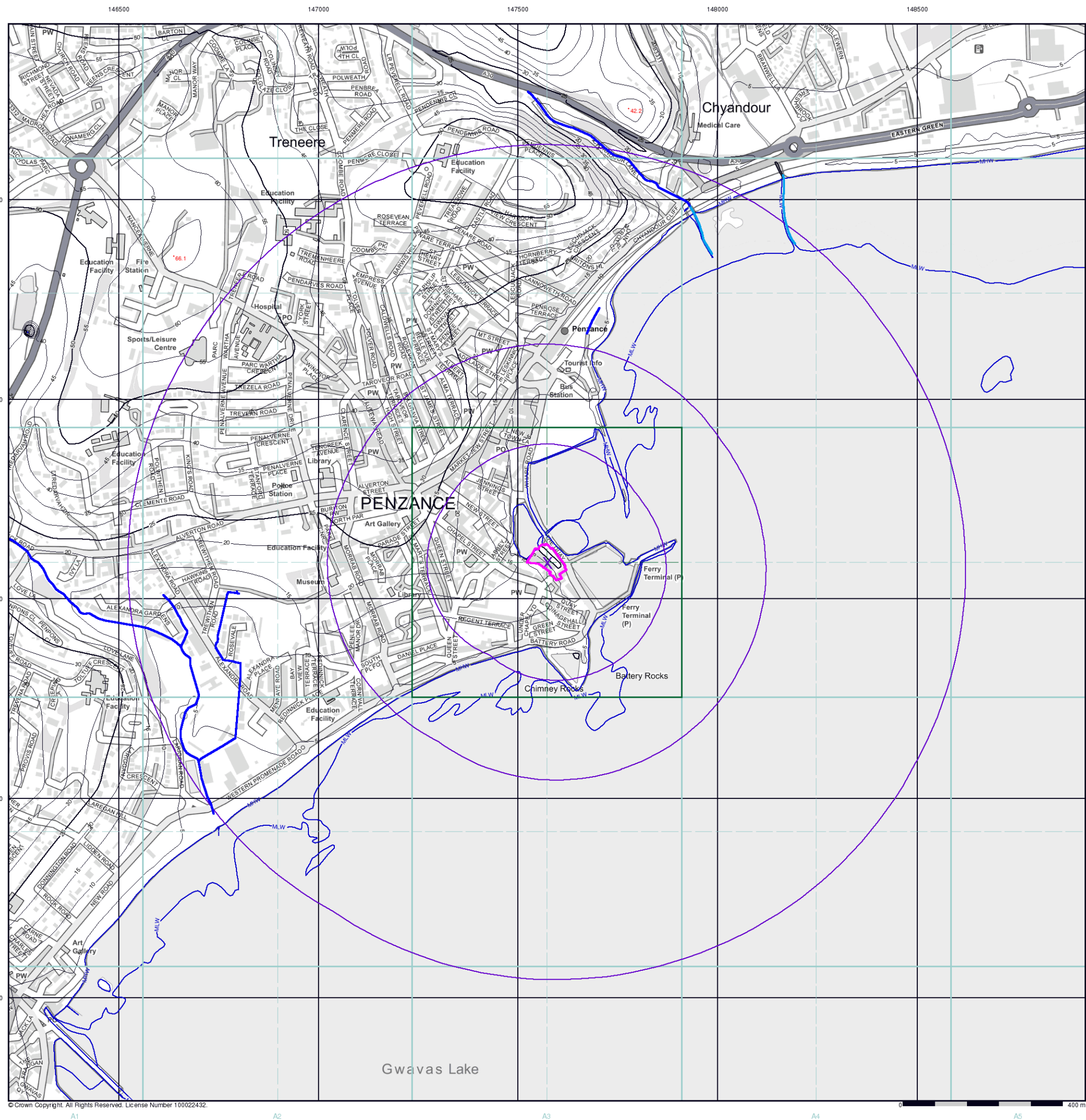
### Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





### General

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

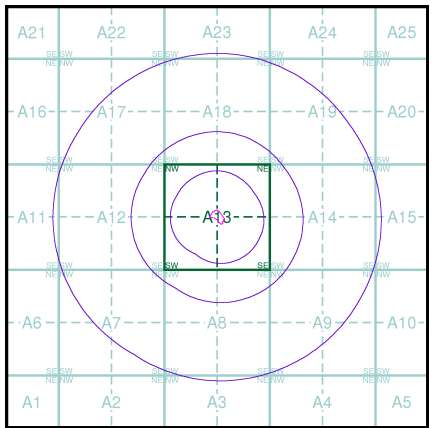
### OS Water Network Data

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

### Contours (height in meters)

- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.3
- MLW: Mean Low Water
- MHW: Mean High Water

### OS Water Network Map - Slice A



### Order Details

Order Number: 347772129\_1\_1  
 Customer Ref: 24093  
 National Grid Reference: 147570, 30090  
 Slice: A  
 Site Area (Ha): 0.43  
 Search Buffer (m): 1000

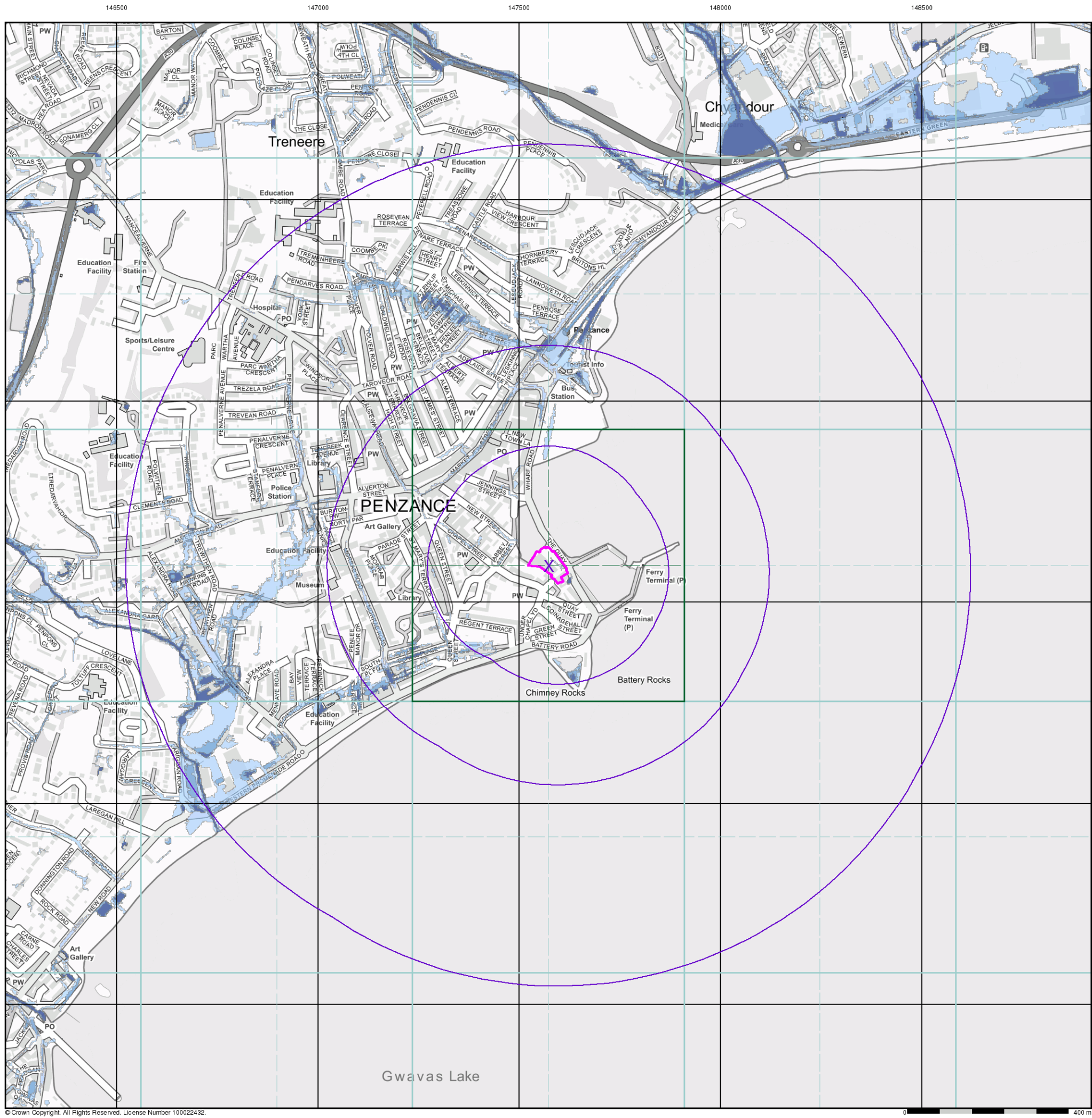
### Site Details

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





**General**

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

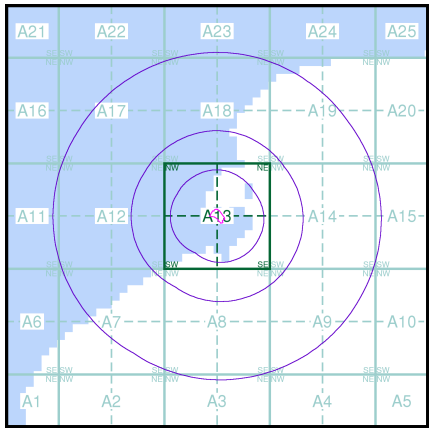
**Risk of Flooding from Surface Water**

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

**Suitability**

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

**E/NRW Suitability Map - Slice A**



**Order Details**

Order Number: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

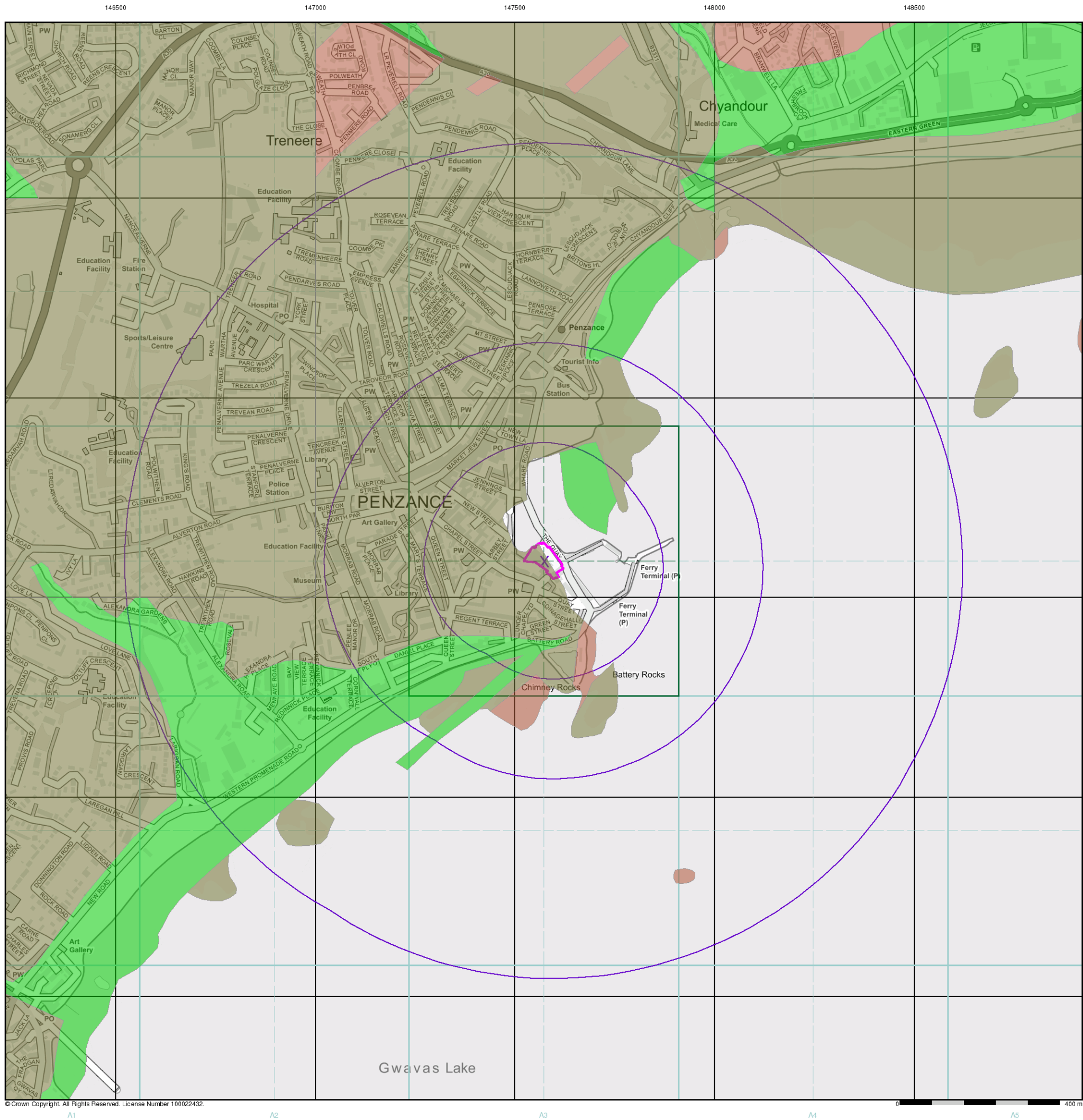
**Site Details**

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



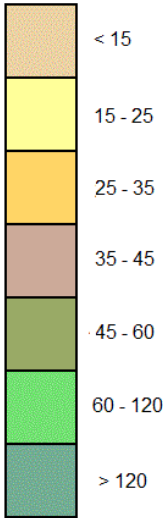


General

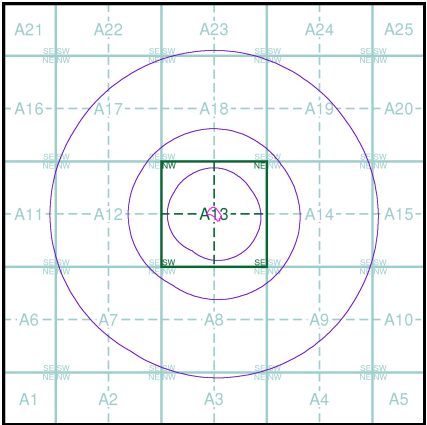
Specified Site      Specified Buffer(s)      Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

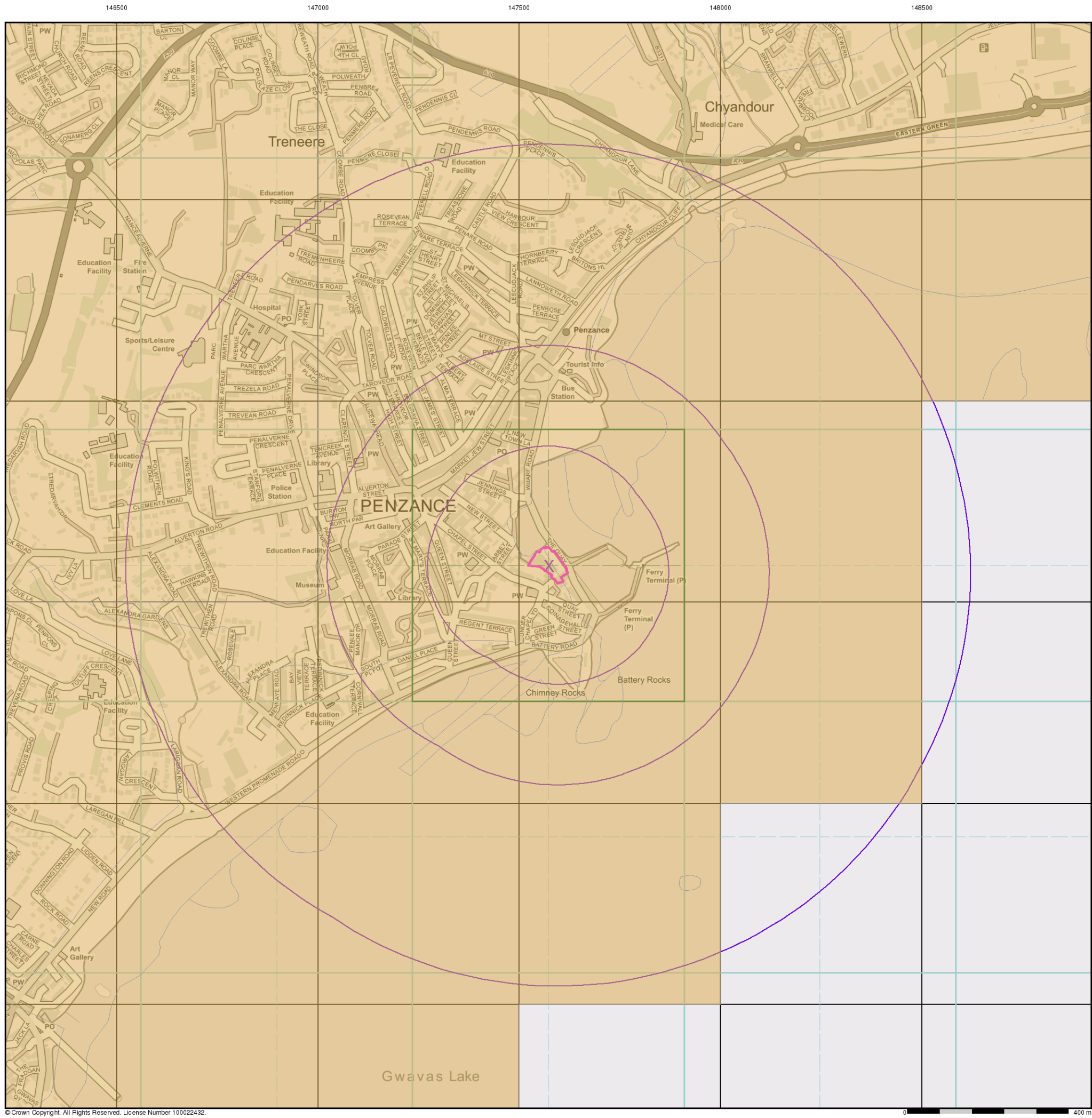
Site Details

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





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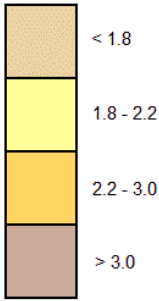


General

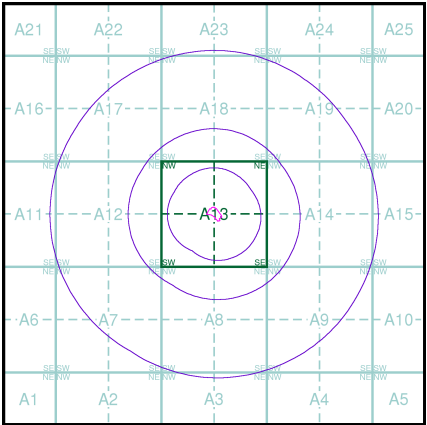
- Specified Site      Specified Buffer(s)      Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

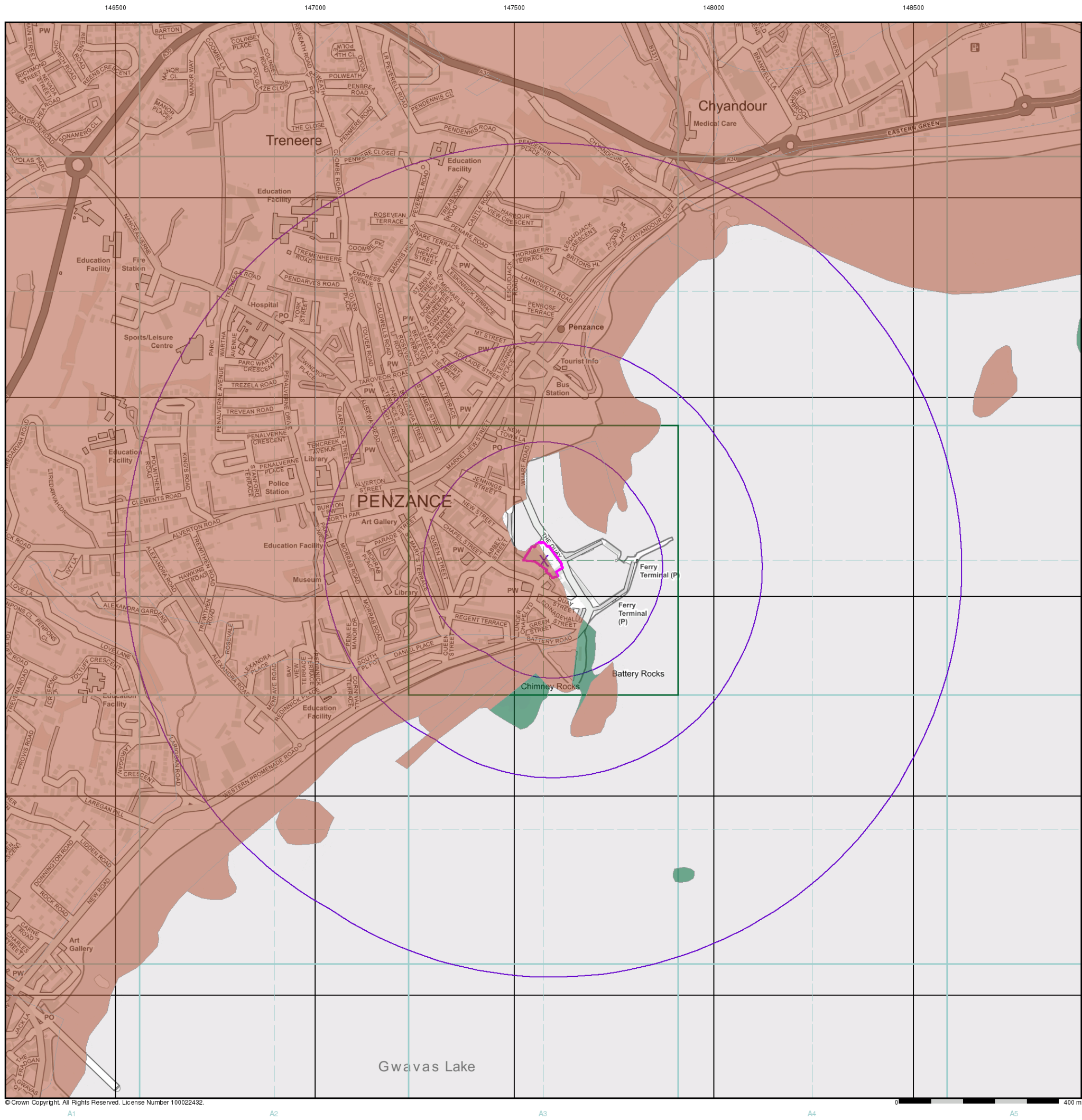
Site Details

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



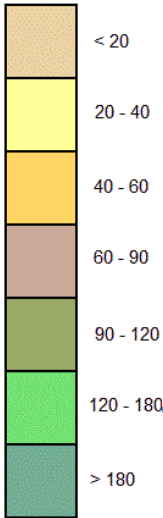


General

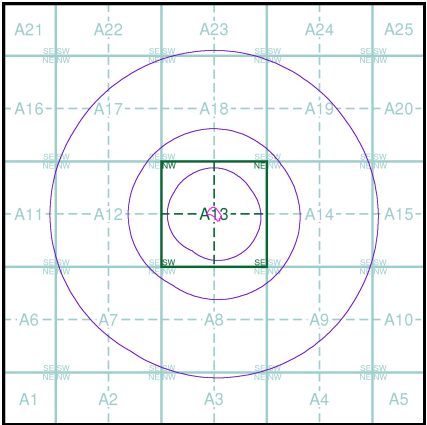
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

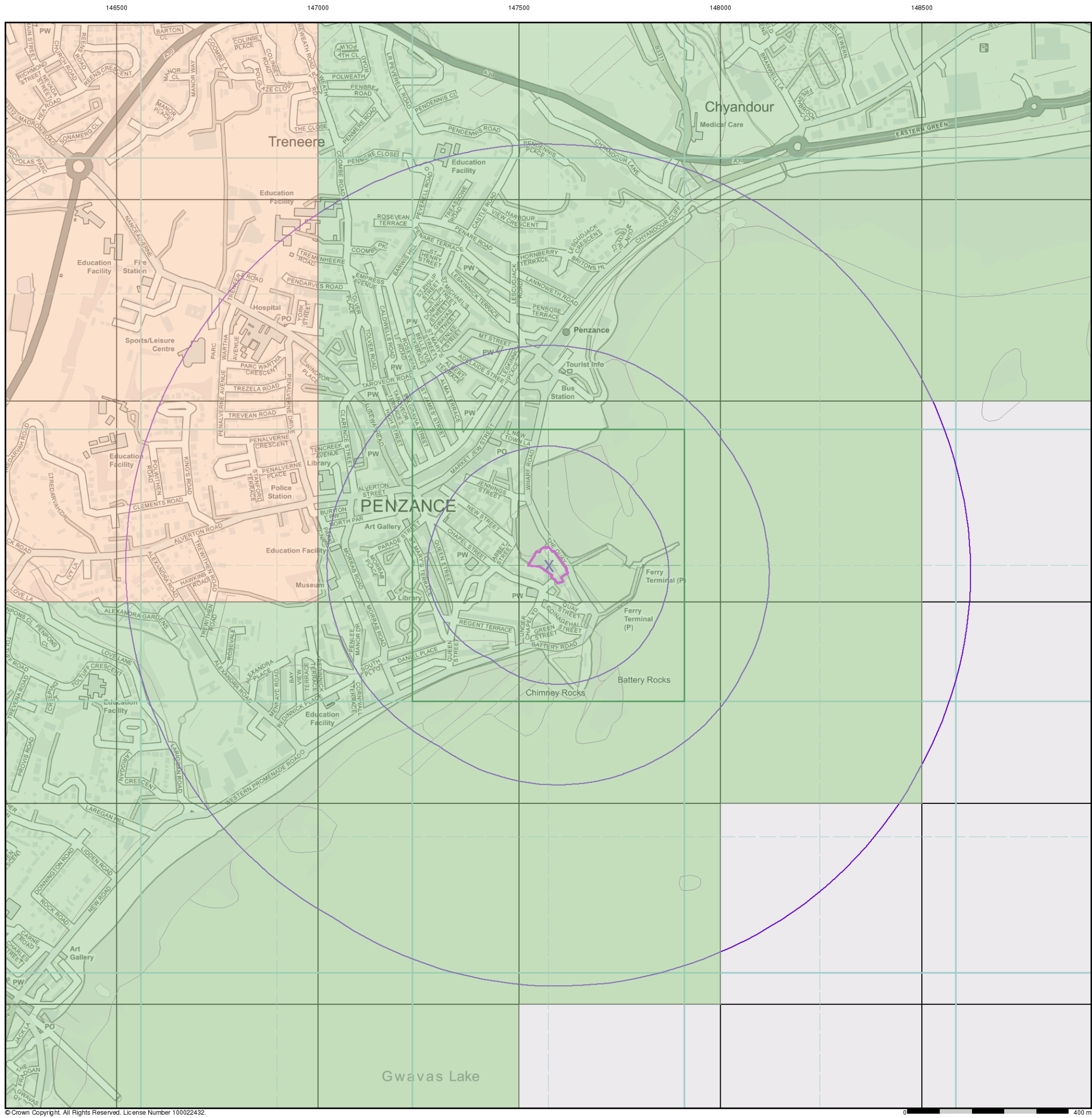
Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW



Tel: 0844 844 9952  
Fax: 0844 844 9951  
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General

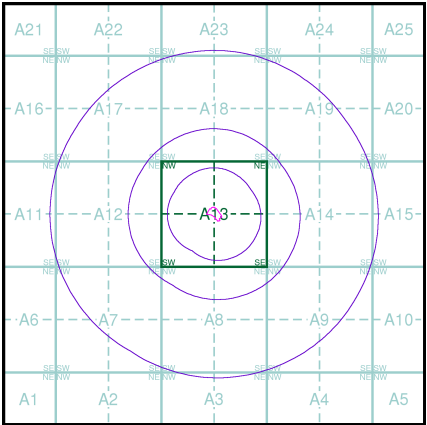
- Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

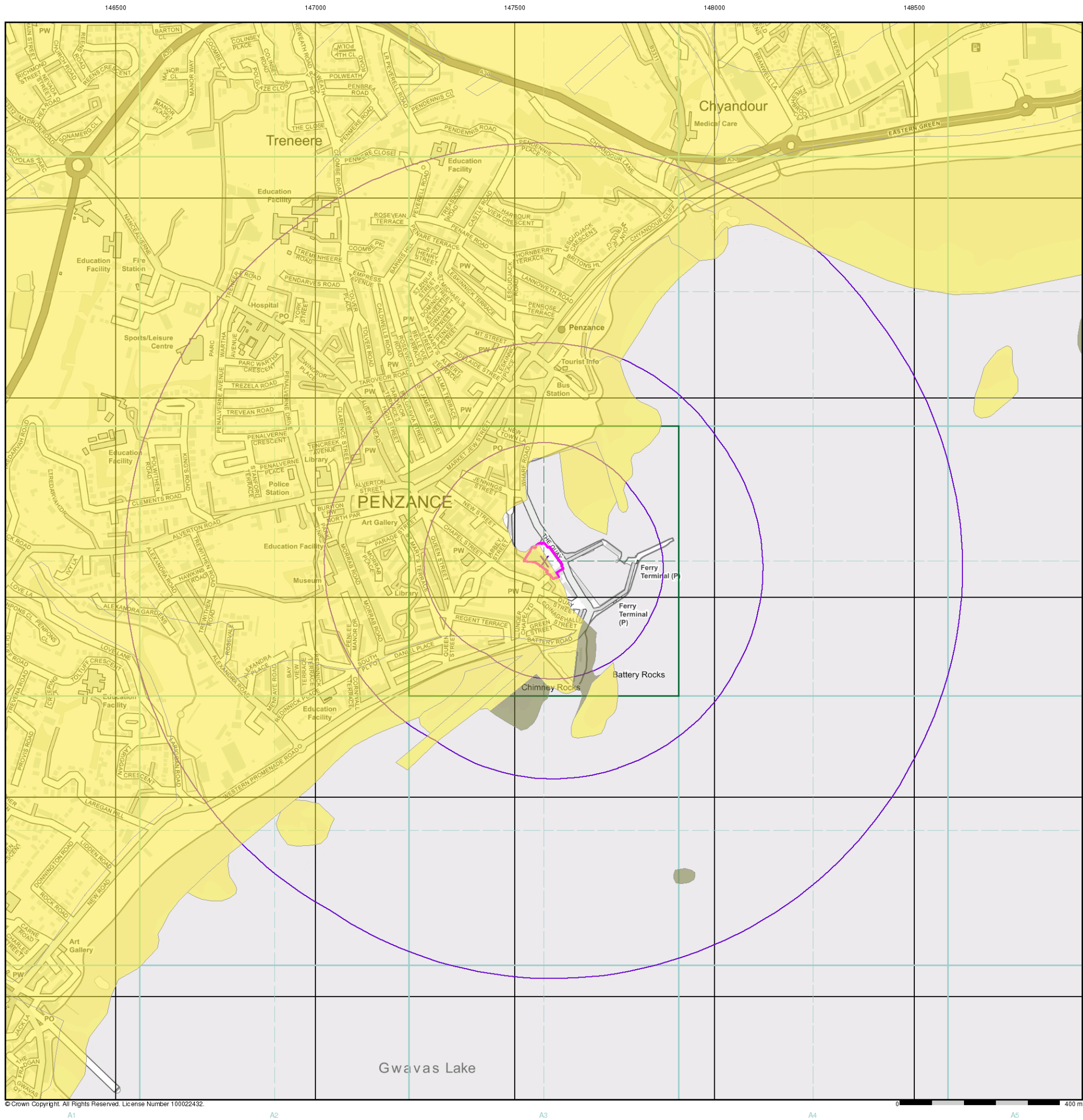
Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW



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



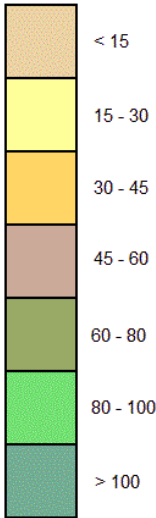


General

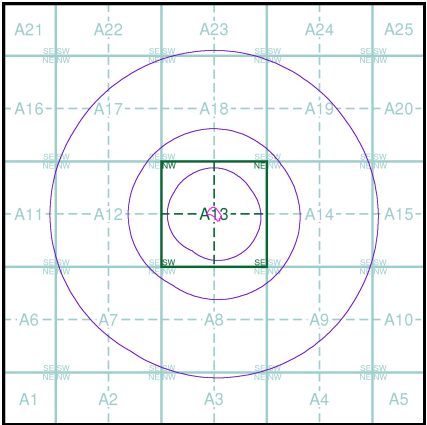
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 347772129\_1\_1  
Customer Ref: 24093  
National Grid Reference: 147570, 30090  
Slice: A  
Site Area (Ha): 0.43  
Search Buffer (m): 1000

Site Details

Penzance Dry Dock (2009) Ltd, Wharf Road, Penzance, TR18 4BW



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



**APPENDIX 5**  
**HISTORICAL MINING SEARCH**



# WESTCOUNTRY MINES

## & PROPERTY SURVEYS

MINING SUBSIDENCE CONSULTANTS  
Grove Farm, East Hill, Blackwater, Truro, Cornwall TR4 8EG  
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Your Ref: 10547

### CLEAR MINING SEARCH

**Karn-GeoServices Ltd**  
West Langarth Farmhouse  
Penstraze, Truro,  
Cornwall  
TR4 8PH

24<sup>th</sup> May 2024

Dear Sirs,

Thank you for your instructions to carry out a metalliferous tin mining archive search for which we are pleased to present the following report.

### REFERENCE

PENZANCE DRY DOCK, WHARF ROAD, PENZANCE, CORNWALL.  
**NATIONAL GRID REFERENCE SW 475301 REPORT REF: 70811.**

### INTRODUCTION

The property, located to the south east of the town centre lies within an historic mining area with sporadic underground and surface activity. This report undertakes to advise only on possible untoward past metalliferous mining features likely to present a future risk to ground and structural stability.

In general for Cornwall and Devon, the main risk to ground stability is not associated with the deeper metalliferous mine workings but with the connection at surface such as shafts, worked lode outcrops, trial pits or quarries, etc. Subsidence is therefore usually caused by gradual backfill movement or sudden collapse of old support near to the surface. Except for later deep shafts the majority of subsidence problems are related to early workings prior to the mid-19th Century for which there are very few records. While these shallow workings can often be identified from surface features or projected from the deeper recorded levels they are often associated with lodes for which there are no remaining features, knowledge or later underground development. **Therefore totally unrecorded or unindicated workings can exist within any mineralised area.**

### GEOLOGY

The country rocks are slates and siltstones of the Devonian Mylor formation, overlain in the valley bottoms with shallow deposits of alluvium and quaternary head. Occasional mineralised lode structures, mostly in the form of narrow and steeply dipping veins, irregularly traverse the area with a general trend of ENE-WSW. Massive intrusions of greenstone and elvan dykes also occur and run parallel with the lodes while crosscourses or faults, some of which are mineralised, cut and displace the lodes at approximate right angles to their trend.

## **MINING HISTORY**

The property lies outside the highly mineralised and extensively worked zones of the formerly productive West Cornwall mining district and contains no major mineral deposits of economic importance. However, numerous small scale mining and exploration trials have been carried out in this area. This early activity is mostly unrecorded and mine plans are only available for some of the much later 19th Century deep workings.

## **MINING APPRAISAL**

There is little information and no mine plans of the very early underground workings in the Penzance area. However, the attached compilation plan helps to identify the known, indicated and suspected mining and geological features within this locality.

- As can be seen there are no recorded metalliferous mining features in the immediate vicinity of the property.
- The nearest known mining activity lies approximately 500 metres to the north of the property where a lode associated with the Lescudjack Mine was historically worked. Although nothing is known of this mine or of the results of the later trials, recent subsidence's near the railway station and in Albert Street, adjoining, suggests that mine workings of considerable extent may still exist beneath this now entirely built up area.
- The Wherry Mine is recorded to have been located approximately 950 metres to the south south west of the property.
- The early editions of the Ordnance Survey plans (circa 1880 and 1907) do show the site of the property to be undisturbed by any surface signs of past metalliferous mining activity.
- While there is no known evidence of deep underground workings in the immediate vicinity of the dwelling, the presence of unrecorded mining activity cannot be entirely ruled out.
- It is considered unlikely that future metalliferous mining operations would be carried out within this district.

Where possible the original plans and mining maps have been correlated with the Ordnance Survey 1:2500 scale. The 1880 and 1907 editions of the Ordnance Survey have been studied when necessary to help identify surface features relevant to past mining and quarry activity. Reference has also been made to the 6 inch Geological Survey published 1906 and the 1974 British Geological Survey 1:50 000 scale.



## LIMITATIONS

Although this report is based on the extensive collection of plans, records and archive material, including reference to our Abandoned Mine Plans for the Cornish Mines, it has to be recognised that these plans and records are often conflicting and incomplete. Also there are no records or plans for most of the mining carried out prior to the mid 19th Century. This early and unrecorded mining activity is considered to be extensive throughout the zones of mineralization. Where more than one source is available for the same information the most reliable source or our interpretation has been used. While every effort is made to reasonably search the archives and plans, Westcountry Mines & Property Surveys cannot accept liability for any inaccuracies or omissions there may be with respect to those records.

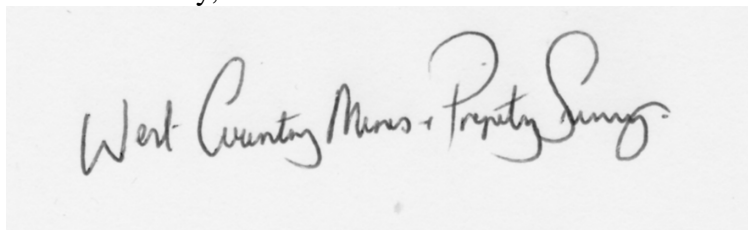
This report does not include a site visit and is not a structural survey although in any mineralised area it would be prudent to have one carried out. The property is situated within a historically mined area and as such the ground area maybe subject to contamination, this report does not comment on non-metalliferous mining features; environmental, financial or contaminated land issues related to past mining activity. The report and plan is provided for the sole use of the client and Westcountry Mines & Property Surveys will not accept responsibility or liability to any persons other than the client or their professional advisers.

## CONCLUSIONS

It is indicated that the property is clear of known significant metalliferous mining activity. While mining features would not be expected, as in any mineralised area, there is always a possibility of future metalliferous mining related settlement, however in this instance we feel that this can be considered an acceptable mining risk.

We trust that the above is of assistance, and assure you of our prompt attention to any future requirements. Please contact us should you need further help or have any queries or problems you would like to discuss.

Yours faithfully,

A handwritten signature in dark ink, reading "Westcountry Mines & Property Surveys". The script is cursive and fluid, with the words connected together.

Westcountry Mines and Property Surveys

## GLOSSARY

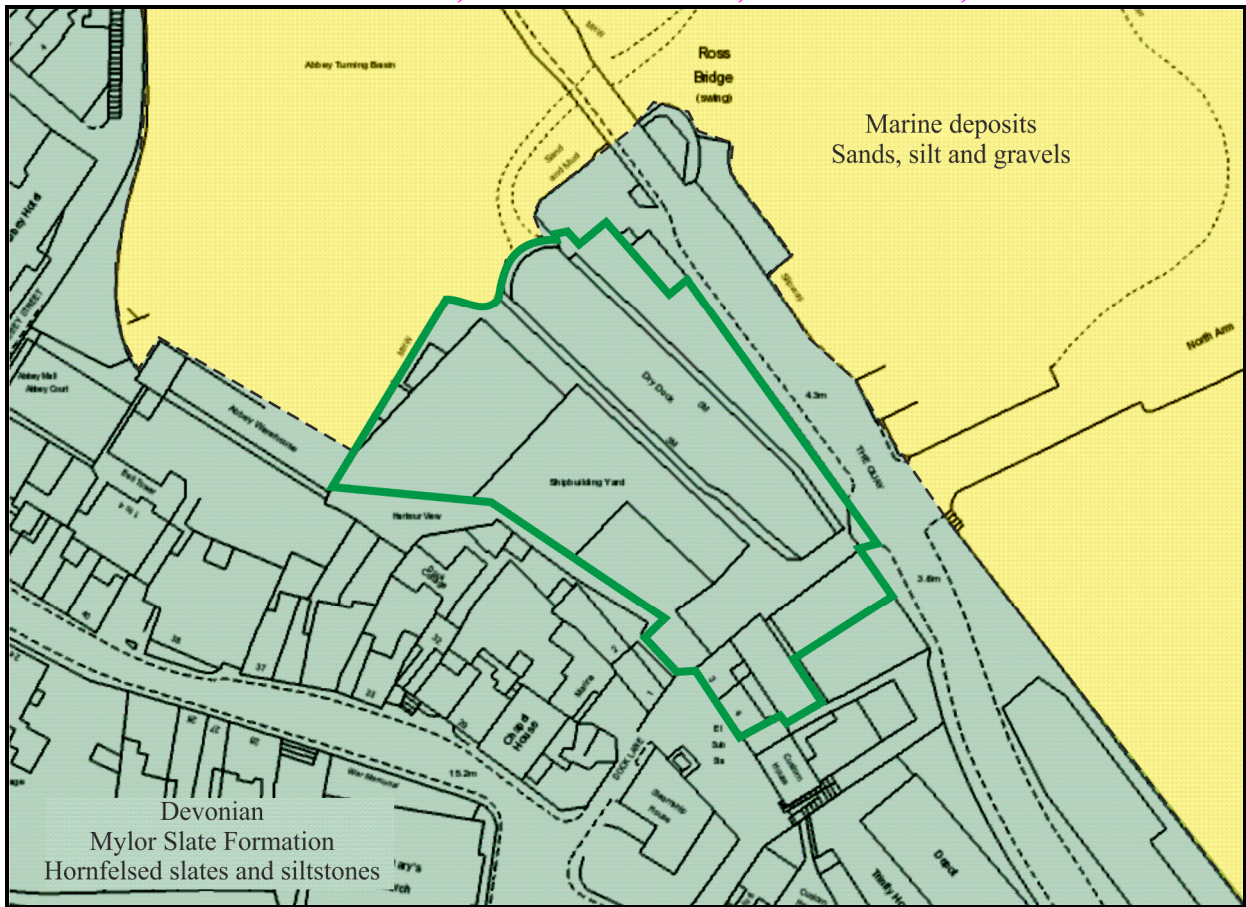
Adit: horizontal tunnel driven from low ground to drain or ventilate mine workings  
Alluvium: sand, clay, and rock debris deposited by a river  
Burrow: mine waste dump  
Caunter Lode: lode running in different direction to general lode trend  
Crosscourse: sheet like geological feature striking across the general direction of the lodes  
Dip: angle of inclination of lode or rock structure from the horizontal  
Drive: horizontal tunnel (verb) meaning to advance a tunnel  
Elvan: intrusive igneous rock (quartz-porphyrries) occurring in the form of veins and dykes  
Granite: igneous rock, crystalline compound of quartz, feldspar and mica  
Greenstone: Cornish term "blue elvan" igneous intrusion genetically related to granite  
Huel: ancient name for mine corrupted into "Wheal"  
Kaolinisation: alteration of granite to clay and sand from solid rock  
Killas: general Cornish term given to sedimentary rocks  
Level: underground horizon on which tunnels are driven  
Lode: mineralised vein producing ore  
Leat: water course  
Mundic: iron pyrites, arsenic and sulphur - arsenopyrite  
Open Cast: where minerals are worked on surface  
Outcrop: surface penetration of geological features such as lodes or rock formations  
Sett: area of ground leased for mining  
Shaft: vertical excavation to connect underground workings to surface, providing access  
Stope: underground excavation from which ore is extracted  
Streaming: extraction of tin ore (cassiterite) from alluvium  
Tailings: waste products of ore-dressing  
Underlie: angle of inclination from the vertical of a geological structure

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## MINING SEARCH PLAN

**PENZANCE DRY DOCK, WHARF ROAD, PENZANCE, CORNWALL.**



WESTCOUNTRY MINES & PROPERTY SURVEYS  
GROVE FARM, EAST HILL  
BLACKWATER, TRURO  
CORNWALL TR4 8EG  
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MINE SEARCH PLAN

DRAWN BY: NAP

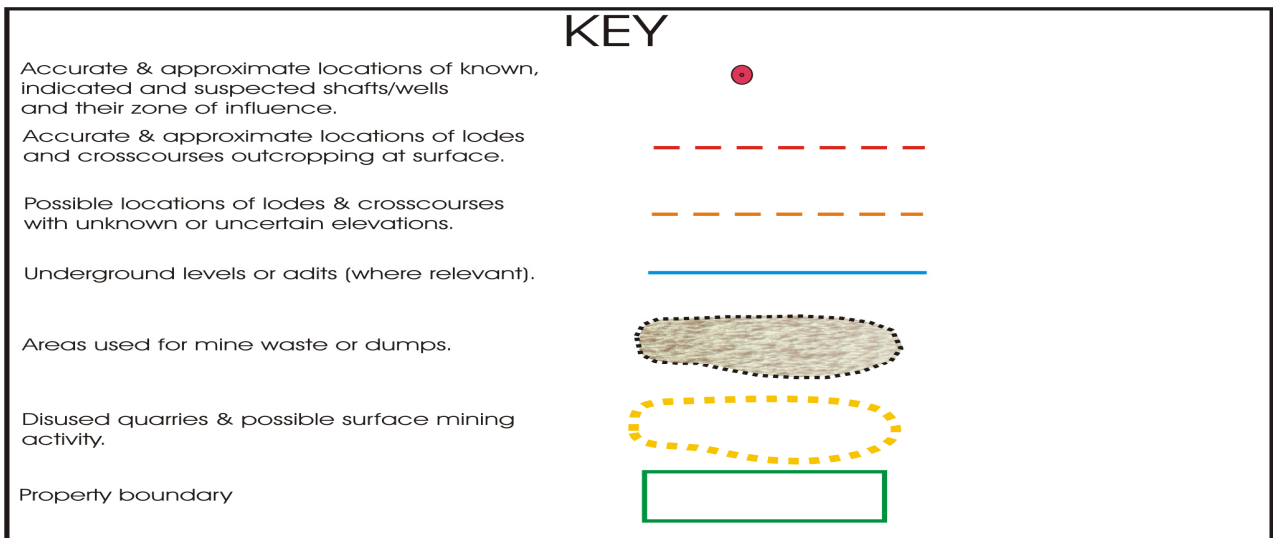
Not to Scale

Nat Grid Ref SW 475301

E-mail: [info@westcountrymines.co.uk](mailto:info@westcountrymines.co.uk)

Plan Ref: 70811

Date 23/05/2024



THE MINING FEATURES SHOWN ON THIS PLAN ARE BASED ON READILY AVAILABLE INFORMATION AND CANNOT BE CONSIDERED AS EITHER BEING TOTALLY ACCURATE OR COMPLETE. BASED ON ORDNANCE SURVEY 1:2500 PLANS WITH PERMISSION OF THE CONTROLLER OF HIS MAJESTY'S STATIONARY OFFICE. COPYRIGHT LICENCE No: AC0000819539.





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