

**CORNWALL RURAL HOUSING ASSOCIATION**

**CARN THOMAS OLD SCHOOL  
ISLES OF SCILLY TR21 0PT**

**REPORT ON PRELIMINARY INVESTIGATION**

**Contract: C60141**

**Date: November 2013**

Ian Farmer Associates (1998) Limited  
1 Riverside House, Heron Way,  
Newham, Truro. TR1 2XN  
Telephone: 01872 261775  
Email: [truro@ianfarmer.co.uk](mailto:truro@ianfarmer.co.uk)

## **REPORT ON PRELIMINARY INVESTIGATION**

carried out at

**CARN THOMAS OLD SCHOOL**

**ISLES OF SCILLY TR21 0PT**

Prepared for

**CORNWALL RURAL HOUSING ASSOCIATION**

**c/o MBA Consulting**

**Boscawen House**

**Chapel Hill**

**Truro**

**TR1 2XN**

Contract: C60141

Date: November 2013

## **EXECUTIVE SUMMARY**

On the instructions of MBA consulting engineers on behalf of Cornwall Rural Housing Association 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.

It is understood that it is proposed to develop the site for a new development of residential apartments and associated infrastructure.

The site is situated at Carn Thomas, approximately 0.35km to the north east of the town centre of Hugh Town and may be located by Grid Reference SV 906 106. The geological map indicates the site to be underlain by the Isles of Scilly Granite Intrusion. Although not indicated as present on the site from the geological maps, there is the possibility that Made Ground may exist on the site.

A review of the history of the site has been conducted based on readily available historical maps and a walkover survey of the site was conducted on the 15<sup>th</sup> of November 2013. At the time of the site walkover the site comprised the site was a disused school and grounds which was approximately 0.48Ha in size and roughly square in shape. The building was vacant at the time of the site walkover, and was accessed via an entrance from Telegraph Road to the north of the site

The research has identified the following potential sources of contamination which may form part of a pollutant linkage:

- Elevated levels of heavy metals associated with the local geology
- Contamination associated with Made Ground
- Potential gas associated with historical landfill situated 133m east of the site.
- Radon

This Preliminary Investigation has identified potential pollutant linkages on the site and as such, it is recommended that a ground investigation be undertaken post demolition to assess the actual nature, presence and extent of any contamination in the ground.

**CONTENTS**

EXECUTIVE SUMMARY		
1.0	INTRODUCTION	3
1.1	General	3
2.0	SITE	4
2.1	Site Location	4
2.2	Site Walkover and Description	4
2.3	Historical Maps	5
2.4	Summary	6
2.5	Anecdotal Evidence	6
3.0	SITE SETTING	7
3.1	Geological Setting	7
3.2	Hydrogeological Setting	7
3.3	Hydrological Setting	7
3.4	Radon	8
4.0	ASSESSMENT OF GEOTECHNICAL RISK	9
4.1	Geological Constraints	9
4.3	Geotechnical Risk Assessment	10
4.4	Conclusions of Geotechnical Risk Assessment	10
5.0	ENVIRONMENTAL SEARCHES	11
5.1	Potential Sources of Contamination	11
5.2	Green Belt Areas	12
5.3	Designated Sites	12
5.4	Nitrate Vulnerable Zone	12
6.0	ASSESSMENT OF GEOENVIRONMENTAL RISK	13
6.1	General	13
6.2	Potential Sources of Contamination Identified	13
6.3	Potential Pathways Identified	13
6.4	Hazard Identification	13
6.5	Hazard Assessment	14
6.6	Conceptual Site Model	15
6.7	Conclusions of Geoenvironmental Risk Assessment	15
6.8	Consultation	16
7.0	RECOMMENDATIONS	17
7.1	Further Work	17
7.2	Other Considerations	17
8.0	REFERENCES	18



APPENDIX 1	-	DRAWINGS	
Figure A1.1	-	Site Location Plan	
Figure A1.2	-	Aerial Photograph	
APPENDIX 2	-	PHOTOGRAPHS	
Figures A2.1-A2.22	-	Site Photographs	
APPENDIX 3	-	ENVIRONMENTAL RISK	
		<b>Environmental Risk Assessment</b>	iii/i-iii/vi
APPENDIX 4	-	ENVIROCHECK REPORT	
	-	Datasheet	
	-	Historical Maps (1:2 500 and 1:10 000)	
	-	Site Sensitivity Maps (1:2 500 and 1:10 000)	
	-	Soil Geochemistry Maps (1:10 000)	
	-	Environmental Context Maps (1:25 000)	
	-	Index Map	
APPENDIX 5	-	HISTORICAL MINING SEARCH	

## **1.0 INTRODUCTION**

### **1.1 General**

- 1.1.1 On the instructions of MBA consulting engineers on behalf of Cornwall Rural Housing Association 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.
- 1.1.2 It is understood that it is proposed to develop the site for a new development of residential apartments and associated infrastructure.
- 1.1.3 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.
- 1.1.4 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.
- 1.1.5 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.
- 1.1.6 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.
- 1.1.7 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.
- 1.1.8 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.
- 1.1.9 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.

## **2.0 SITE**

### **2.1 Site Location**

- 2.1.1 The site is situated at Carn Thomas, approximately 0.35km to the north east of the town centre of Hugh Town and may be located by Grid Reference SV 906 106. A site location plan and aerial photograph are included in Appendix 1, Figures A1.1 and A1.2.

### **2.2 Site Walkover and Description**

- 2.2.1 A walkover survey of the site was conducted on the 15th of November 2013. The walkover was carried out in general accordance with CLR 2, ref. 8.5.
- 2.2.2 At the time of the walkover survey, the site was a disused school and grounds which was approximately 0.48Ha in size and roughly square in shape.
- 2.2.3 The building was vacant at the time of the site walkover, and was accessed via an entrance from Telegraph Road to the north of the site.
- 2.2.4 The site was sloping with the northern part of the site being approximately 10m lower than the south of the site.
- 2.2.5 A mixture of residential, commercial and public amenity developments surrounded the site in all directions.
- 2.2.6 There were no ponds, watercourses or areas of standing water observed on site at the time of the site walkover.
- 2.2.7 All vegetation on the site and in the surrounding area appeared to be in a healthy condition.
- 2.2.8 There was no evidence of landslips on or adjacent to the site or on similar ground nearby.
- 2.2.9 Photographs from the walkover survey are included within Appendix 2, Figures A2.1 to A2.20.

## 2.3 Historical Maps

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

Map, Date and Scale	Site Description	Regional Setting
Cornwall & Isles of Scilly 1890 1:2500	The site is occupied by an agricultural field with a track crossing the site in a north to south east direction. Four small structures/enclosures are shown on the northern site boundary. A Road borders the north of the site.	Allotments are indicated immediately to the southeast of the site. A School is located 20m to the north of the site. St Mary's Church is located 40m to the southwest of the site. Old Quarries are indicated 100m and 160m to the south of the site. High Town is located 150m to the west of the site. A Sand Pit is located 240m to the north east of the site, with further old quarries indicated 260m to the north east. A benchmark located 15m to the north of the site indicates a level of 37.9 feet, approximately 11.5 metres above ordnance datum.
Cornwall & Isles of Scilly 1889 1:10,560	There are no observable changes to the site since the previously published map.	The larger scale plan shows the extent of the agricultural land surrounding the site.
Cornwall & Isles of Scilly 1908 1:2,500	The northeastern part of the site is now shown to be partially occupied by allotments.	Minor development has taken place in the surrounding area.
Cornwall & Isles of Scilly 1909 1:10,560	There are no observable changes to the site since the previously published map.	There are no observable changes to the surrounding area since the previously published map.
Ordnance Survey Plan 1963 1:10,000	There are no observable changes to the site since the previously published map.	The larger scale plan shows the extent of development in and around Hugh Town to the west of the site.
Ordnance Survey Plan 1980 1:2,500	The site is now occupied by The Isles of Scilly School and library.	A refuse tip and incinerator are shown 140m and 230m to the southeast of the site respectively. A power station is situated 160m to the south of the site. Porthmellon Industrial Estate is located 120m to the east of the site.
Ordnance Survey Plan 1980 1:10,000	The plan is largely incomplete and has been discounted from the assessment.	The plan is largely incomplete and has been discounted from the assessment.
Large Scale National Grid Data 1995 1:2,500	There are no observable changes to the site since the previously published map.	Development continues to take place in the surrounding area.

Map, Date and Scale	Site Description	Regional Setting
10k Raster Mapping 2006 1:10,000	There are no observable changes to the site since the previously published map.	The larger scale plan shows the extent of development in and around Hugh Town to the west of the site.
10k Raster Mapping 2013 1:10,000	The most recently published map appears to be a good representation of the site at the time of the site walkover.	The most recently published map appears to be a good representation of the surrounding area at the time of the site walkover.

## 2.4 Summary

- 2.4.1 The site was first shown as an agricultural field with a track crossing the site in a north to south east direction, with four small structures/enclosures shown on the northern site boundary, on the first available map dated 1890. The 1908 map indicates the northeastern part of the site to be occupied by allotments.
- 2.4.2 The 1980 map indicated the site to have been occupied by The Isles of Scilly School and library. No changes have taken place on the site until the most recently published map dated 2013.

## 2.5 Anecdotal Evidence

- 2.5.1 At the time of the site walkover, the school was no longer in use. Anecdotal information indicates that the school has been disused since 2011, following the construction of the new Five Islands School at Carn Gwaval.

### **3.0 SITE SETTING**

#### **3.1 Geological Setting**

- 3.1.1 Details of the geology underlying the site have been obtained from the relevant geological map of the area, ref. 8.6.
- 3.1.2 The geological map indicates the site to be underlain by the Isles of Scilly Granite Intrusion.
- 3.1.3 Although not indicated as present on the site from the geological maps, there is the possibility that Made Ground may exist on the site, due to the construction of the existing school buildings.

#### **3.2 Hydrogeological Setting**

- 3.2.1 The hydrogeological records, provided by the Environment Agency, indicate that the site is situated on a Secondary A Aquifer, relating to the variably permeable Isles of Scilly Granite Intrusion.
- 3.2.2 The Environment Agency defines Secondary A aquifers as 'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers'.
- 3.2.3 The Envirocheck vulnerability map indicates the soil to be of high leaching potential.
- 3.2.4 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.
- 3.2.5 The site is not located within a groundwater source protection zone.
- 3.2.6 There are no groundwater abstraction wells within 500m of the site.

#### **3.3 Hydrological Setting**

- 3.3.1 The nearest surface watercourse is the St Marys Pool, located approximately 150m to the north of the site at its closest point.
- 3.3.2 The surface water is at approximately 11m below the level of the site.
- 3.3.3 The site is not situated within an area defined by the Environment Agency as being at risk of flooding from rivers or the sea at the extent of extreme flood.
- 3.3.4 There is no available river quality classification data for the nearest watercourse.
- 3.3.5 There are no surface water abstractions within 500m of the site.

### **3.4 Radon**

- 3.4.1 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.
- 3.4.2 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.

## 4.0 ASSESSMENT OF GEOTECHNICAL RISK

### 4.1 Geological Constraints

- 4.1.1 The following are brief findings relating to factors identified during the research from the Envirocheck data that may have a potential impact upon the engineering of the proposed development.

Potential Hazard	Assessed Risk	Comment
BGS Recorded Mineral Sites	Very Low	Nearest located 105m to the south of the site, and is shown to have ceased operation.
Mining Instability	None	See Appendix 5
Quarrying	Very low	Nearest is the Moor Well Quarry, located 105m to the south of the site, and is shown to have ceased operation.
Natural Cavities	None	
Collapsible Ground	Very low	
Compressible Ground	None	
Ground Dissolution	None	
Landslide	None to very low	
Running Sand	None	
Shrinking or Swelling Clay	None	
Unconsolidated Made Ground	Low	There is no evidence of extensive Made Ground
Bearing Pressure	Low	Bedrock anticipated at relatively shallow depths
Aggressive conditions for construction materials	Low	Isles of Scilly Intrusion is not known to contain potentially high concentrations of sulphates and sulphides.

### 4.2 Mining

- 4.2.1 A historical mining search was undertaken by Westcountry Mines and Property Surveys and is included in Appendix 5.
- 4.2.2 The report details that the property is located in an area with only sporadic underground and surface activity.
- 4.2.3 The Isles of Scilly lie outside and to the west of the St Just mining district and contain no major mineral deposits of economic importance. However, there are numerous small quarries within this district that have from ancient times been worked for building materials.
- 4.2.4 There is no recorded mining activity within the search area. Numerous disused quarries are scattered throughout the local area, the nearest is situated immediately to the west of the properties western boundary. While any deep underground workings would not be expected, and should not affect ground stability, the presence of unrecorded quarrying activity cannot be entirely ruled out.
- 4.2.5 It is indicated that the property is acceptably clear of known significant mining features and minor features would not be expected



#### **4.3 Geotechnical Risk Assessment**

4.3.1 An assessment of the main hazards associated with the site is detailed below. Unless stated otherwise, the presence of such hazards are based on information from the research or reconnaissance and have not been confirmed by an intrusive investigation.

- Soil Conditions

The geology is likely to comprise typical weathered bedrock which should be suitable for conventional shallow foundations.

- Topography

The Envirocheck data provided indicates only a very low risk of landslip subsidence.

- Previous Use

Historical mapping indicates previous development on the site including structural and infrastructure changes. Therefore, the presence of buried structures such as services and old foundations is a potential risk.

#### **4.4 Conclusions of Geotechnical Risk Assessment**

4.4.1 The research has not identified any significant hazards associated with the anticipated underlying ground conditions, based on the information obtained during the desk based research and site reconnaissance, and no further investigation is deemed necessary.

## 5.0 ENVIRONMENTAL SEARCHES

### 5.1 Potential Sources of Contamination

5.1.1 A search was made of records held by the various regulatory authorities and other statutory bodies to determine the presence or otherwise of past and current activities on or within 500m of the site which have the potential to give rise to the presence on site of contaminants. The findings are given in the table below:

Activity	On Site	Off Site (distance / direction)	Detail
Contaminated Land Register Entries	None	None within 500m	
Discharge Consents	None	None within 500m	
Integrated and Local Authority Pollution Prevention and Controls	None	Three between 251-500m	Closest located 143m east and relates to waste incineration. Remainder also relate to waste incineration.
Pollution Incidents to Controlled Waters	None	None within 500m	
Prosecutions Relating to Authorised Processes or Controlled Waters	None	None within 500m	
Registered Radioactive Substances	None	None within 500m	
Substantiated Pollution Incident Register	None	None within 500m	
Water Abstractions	None	None within 500m	
BGS Recorded Landfill Sites	None	One between 0-250m	Closest located 133m east and relates to the Lower Moors landfill.
Historical Landfill Sites	None	One between 0-250m	Closest located 133m east and relates to the Lower Moors landfill, and is shown to have received commercial waste.
Licensed Waste Management Facilities	None	None within 500m	
Local Authority Recorded Landfill Sites	None	None within 500m	
Registered Landfill Sites	None	None within 500m	
Registered Waste Transfer Sites	None	None within 500m	
Registered Waste Treatment or Disposal Sites	None	None within 500m	
Hazardous Substances	None	None within 500m	
Explosive Sites	None	None within 500m	
Contemporary Trade Entries	None	Sixteen between 0-250m, nine between 251-500m	Closest at 24m west relates to a dairy, the remainder relate to a wide range of activities including a haulage services, an engineers, a perfume supplier and a sail maker and repairer.
Fuel Station Entries	None	One between 0-250m, one between 251-500m	Closest at 84m north east, the remaining entry is located 262m to the southwest.

## **5.2 Green Belt Areas**

- 5.2.1 There are no designated areas or as yet un-adopted areas of Green Belt land within 1km of the site.

## **5.3 Designated Sites**

- 5.3.1 A review of the Natural England website, ref 8.9, was undertaken to assess whether there were any Sites of Special Scientific Interest (SSSI), Special Areas of Conservation (SAC), Areas of Outstanding Natural Beauty (AONB), National Nature Reserves (NNR) or Local Nature Reserves (LNR) which may be impacted by the development.
- 5.3.2 The enquiries indicated there are three SSSIs, one SAC and one AONB within 1km of the site.

## **5.4 Nitrate Vulnerable Zone**

- 5.4.1 The site is not located within an area designated as a nitrate vulnerable zone.

## **6.0 ASSESSMENT OF GEOENVIRONMENTAL RISK**

### **6.1 General**

- 6.1.1 The definition of 'contaminated land', along with the relevant details on legislation and guidance is set out in Appendix 3.
- 6.1.2 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.
- 6.1.3 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.
- 6.1.4 The assessment 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.
- 6.1.5 The proposed development comprises a new development of residential apartments and associated infrastructure.

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

- 6.2.1 The research has identified the following potential sources of contamination which may form part of a pollutant linkage:
  - Contamination associated with Made Ground due to previous development on-site
  - Elevated levels of heavy metals associated with the local geology
  - Potential gas associated with historical landfill situated 133m east of the site.
  - Radon

### **6.3 Potential Pathways Identified**

- 6.3.1 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.
- 6.3.2 Those identified are detailed within the Conceptual Site Model, along with the receptors relevant to the development on a site specific basis.

### **6.4 Hazard Identification**

- 6.4.1 The research has identified a number of potential sources and pathways which are considered 'likely' to be present which, taking into account the potential receptors identified, form potential pollutant linkages and have been used in the formulation of the Conceptual Site Model.

## 6.5 Hazard Assessment

6.5.1 An assessment of the main sources of contamination and the potential for unacceptable risk to receptors is detailed below. Unless stated otherwise, it is considered 'likely' that a potential source is present at this stage, in order to provide a preliminary estimation of the risk and therefore determine the need for further work.

- Human Health

Naturally elevated levels of heavy metals due to the local geology, are anticipated to be present on site. The main receptor is anticipated to be site end-users and there is considered to be a low risk.

There is the potential for contamination associated with potential Made Ground on the site. The risk to end-users is considered to be low to moderate.

There is evidence for the potential for radon to be present at levels for which full protection measures have been recommended. The risk to end-users is considered to be high, however, with the implementation of a specialist membrane, the associated risk could be considered to be very low.

There is the potential for radon to be present at levels for which full protection measures have been recommended along with the migration of explosive gases from the nearby landfill. Taking into account the underlying geology, and distance from the site, it is considered that a dual purpose membrane could be installed in the proposed development. The membrane should comprise a 2000g membrane which would also act to mitigate against the potential for ingress of Radon and landfill gasses. With the installation of the passive protection measures, there is 'unlikely' to be a valid pathway and as such, the risk is considered to be moderate to low and no further investigation would be considered necessary.

- Construction Material

There is considered to be a low risk due to chemical attack on construction materials emplaced within Isles of Scilly Granite Intrusion, however should any proposed structure come into contact with any Made Ground, then the associated risk is moderate.

- Controlled Waters

The site is located on a Secondary A Aquifer, relating to the variably permeable Isles of Scilly Granite Intrusion. The Envirocheck vulnerability map indicates the soil to be of high leaching potential.

The site is not located within a groundwater source protection zone. There are no surface or groundwater abstraction wells within 500m of the site. The nearest surface water course is the St Marys Pool, located approximately 150m to the north of the site at its closest point.

Therefore, any consequence of contamination to the water environment is considered to be mild, and therefore a very low risk level has been assigned.

## 6.6 Conceptual Site Model

6.6.1 The research has therefore identified the following pollutant linkages that require further consideration and have been used to formulate the Conceptual Site Model.

Potential Contamination Sources	Potential Contaminants of Concern	Potential Pathways	Receptor Group
Possible contamination associated with Made Ground and elevated heavy metals	Inorganic Compounds •Metals  Organic Compounds •TPH •PAH  Others •pH •Asbestos •Sulphate	<ul style="list-style-type: none"> <li>• Soil ingestion</li> <li>• Dermal contact</li> <li>• Inhalation of contaminated dust</li> <li>• Vapour inhalation</li> </ul>	Human Health <ul style="list-style-type: none"> <li>• Site occupants</li> <li>• Site users</li> <li>• Construction workers</li> <li>• Maintenance workers</li> <li>• Neighbouring site users/general public</li> </ul>
		<ul style="list-style-type: none"> <li>• Plant uptake and accumulation of contaminants</li> </ul>	Ecology <ul style="list-style-type: none"> <li>• Landscaped areas</li> <li>• Sensitive or protected habitats</li> </ul>
		<ul style="list-style-type: none"> <li>• Lateral migration</li> <li>• Surface run-off</li> <li>• Infiltration</li> </ul>	Controlled Waters <ul style="list-style-type: none"> <li>• Surface waters</li> <li>• Groundwater</li> <li>• Tidal waters</li> </ul>
		<ul style="list-style-type: none"> <li>• Direct contact of contaminants with building materials</li> </ul>	Building Materials or Services <ul style="list-style-type: none"> <li>• Concrete</li> <li>• Plastic pipes and services</li> <li>• Structural iron &amp; steel work</li> </ul>
Natural Geology	<ul style="list-style-type: none"> <li>•Radon</li> </ul>	<ul style="list-style-type: none"> <li>• Inhalation</li> </ul>	<ul style="list-style-type: none"> <li>• Human Health</li> </ul>

## 6.7 Conclusions of Geoenvironmental Risk Assessment

6.7.1 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.

6.7.2 It is recommended that further work be carried out to confirm the presence, nature or extent of any contamination which is anticipated to impact on the site.

## **6.8 Consultation**

6.8.1 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.

6.8.2 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**

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

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

- The sinking of exploratory holes post demolition for the recovery of samples for chemical contamination analysis.
- The installation of a dual purpose membrane will be required in the proposed new dwellings.

### **7.2 Other Considerations**

7.2.1 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:

- **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.
- **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, or recommended within Section 7.0.



## 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, Sheet No. 357/360, '*Isles of Scilly*', solid and drift edition, 1:50000 scale, published 1975.
- 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 Natural England, '*Nature on the Map*', available from <http://www.natureonthemap.org.uk/>
- 8.10 C552, '*Contaminated Land Risk Assessment, A Guide to Good Practice*', CIRIA, 2001
- 8.11 Standards, '*Land Quality – Managing Ground Conditions*', Chapter 4, NHBC, 2010
- 8.12 The Environmental Protection Act, Part IIA, Section 78, 1990
- 8.13 Environment Act 1995, Section 57, DoE, 1995
- 8.14 Water Environment and Water Services (Scotland) Act, 2003
- 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

For and on behalf of Ian Farmer Associates (1998) Limited



L.V Quick  
GeoEnvironmental Engineer  
BSc(Hons.) ACSM AIEMA



M.J Austin  
Engineering Geologist  
BEng FGS ACSM

**APPENDIX 1**  
**DRAWINGS**








**if** IAN FARMER  
ASSOCIATES


0 100m  
© Copyright Getmapping plc

Date Drawn: 18-11-2013	Scale: NTS	Title: Aerial Photograph	
 Geotechnical & Environmental Specialists		Client: CRHA c/o MBA Consulting	
		Project: Carn Thomas Old School, Isles of Scilly	Job No.: C60141
		Figure Number: A1.2	


|

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



Date Drawn: 18-11-2013	Scale: NTS	Title: Site Walkover Photographs	
		Client: CRHA c/o MBA Consulting	
		Project: Carn Thomas Old School	Job No.: C60141
		Figure Number: A2.1-A2.2	



Date Drawn: 18-11-2013	Scale: NTS	Title: Site Walkover Photographs	
		Client: CRHA c/o MBA Consulting	
		Project: Carn Thomas Old School	Job No.: C60141
		Figure Number: A2.3-A2.4	





Date Drawn:  
18-11-2013

Scale: NTS

Title: Site Walkover Photographs

Client: CRHA c/o MBA Consulting

Project: Carn Thomas Old School

Job No.: C60141

Figure Number: A2.5-A2.8

**if** IAN FARMER  
ASSOCIATES  
Geotechnical & Environmental Specialists





Date Drawn:  
18-11-2013

Scale: NTS

Title: Site Walkover Photographs

Client: CRHA c/o MBA Consulting

Project: Carn Thomas Old School

Job No.: C60141

Figure Number: A2.9-A2.12





Date Drawn:  
18-11-2013

Scale: NTS

Title: Site Walkover Photographs

Client: CRHA c/o MBA Consulting


Project: Carn Thomas Old School

Job No.: C60141

Figure Number: A2.13-A2.16





Date Drawn: 18-11-2013	Scale: NTS	Title: Site Walkover Photographs	
 <p><b>IAN FARMER ASSOCIATES</b> Geotechnical &amp; Environmental Specialists</p>		Client: CRHA c/o MBA Consulting	
		Project: Carn Thomas Old School	Job No.: C60141
		Figure Number: A2.17-A2.18	





Date Drawn:  
18-11-2013

Scale: NTS

Title: Site Walkover Photographs

Client: CRHA c/o MBA Consulting

Project: Carn Thomas Old School

Job No.: C60141

Figure Number: A2.19-A2.22



|

## **APPENDIX 3**

### **ENVIRONMENTAL RISK**

## APPENDIX 3

### ENVIRONMENTAL RISK ASSESSMENT

#### A3.1 STATUTORY FRAMEWORK AND DEFINITIONS

- A3.1.1 The statutory definition of 'contaminated land' is defined in Part IIA of the Environmental Protection Act 1990, ref 8.12, which was inserted by Section 57 of the Environment Act 1995, ref 8.13, 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'.*

- A3.1.2 In Scotland, this has been amended by the Water Environment and Water Services (Scotland) Act 2003, ref 8.14, to *'significant pollution of the water environment is being caused or there is a significant possibility of such pollution being caused'.*

- A3.1.3 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'.*

- A3.1.4 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.

- A3.1.5 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.
- A3.1.6 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.
- A3.1.7 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).
- A3.1.8 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.
- A3.1.9 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
- A3.1.10 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

## A3.2 ASSESSMENT METHODOLOGY

A3.2.1 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.

A3.2.2 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.

A3.2.3 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.

A3.2.4 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.

A3.2.5 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.



### A3.3 RISK EVALUATION

A3.3.1 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.

A3.3.2 These are defined in the following sections:

### A3.4 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

- A3.4.1 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.

### A3.5 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

- A3.5.1 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.

### A3.6 COMPARISON OF CONSEQUENCE AGAINST PROBABILITY

- A3.6.1 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	Very low risk

A3.6.2 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>

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

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

50973060\_1\_1

**Customer Reference:**

C60141

**National Grid Reference:**

90700, 10650

**Slice:**

A

**Site Area (Ha):**

0.48

**Search Buffer (m):**

1000

#### Site Details:

The Five Islands School  
Strand

St. Mary's  
ISLES OF SCILLY  
TR21 0PT

#### Client Details:

Mr M Austin  
Ian Farmer Associates  
1 Riverside House  
Heron Way  
Newham  
Truro  
Cornwall  
TR1 2XN

#### Prepared For:

MBA Consulting  
Boscawen House  
Chapel Hill  
Truro  
TR1 3BBN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	3
Hazardous Substances	-
Geological	4
Industrial Land Use	8
Sensitive Land Use	11
Data Currency	12
Data Suppliers	16
Useful Contacts	17

## 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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

## Copyright Notice

© Landmark Information Group Limited 2013. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

## Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

## Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact [mining.review@arup.com](mailto:mining.review@arup.com)). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The information and data supplied in the product are derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

## Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

## Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

## Report Version v47.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 1		2		
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1		1		
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability	pg 1	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 1	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				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
<b>Waste</b>					
BGS Recorded Landfill Sites	pg 3		1		
Historical Landfill Sites	pg 3		1		
Integrated Pollution Control Registered Waste Sites	pg 3		3	1	
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<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					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 4	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry					
BGS Recorded Mineral Sites	pg 4		2	3	6
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 6		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 7	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 7	Yes	n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 8		16	9	3
Fuel Station Entries	pg 10		1	1	

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 11	1			
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 11			1	2
Special Areas of Conservation	pg 11		1		
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Integrated Pollution Prevention And Control</b> Name: Council Of The Isles Of Scilly Location: Porthmellon Waste Management, Porthmellon Works, Porth Mellon, St. Mary's, Isles of Scilly, TR21 0JY Authority: Environment Agency, South West Region Permit Reference: Tp3732se Original Permit Ref: Tp3732se Effective Date: 14th November 2005 <b>Status: Superseded By Variation</b> Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned within the geographical locality Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.1 A(2) a) Activity Description: Waste Incineration; Any Specified waste chemicals (Bromine..Zinc) Incineration of non hazardous waste <1T/HR Primary Activity: Y	A13NE (E)	143	1	90886 10672
2	<b>Integrated Pollution Prevention And Control</b> Name: Council Of The Isles Of Scilly Location: Porthmellon Waste Management, 1, Porth Mellon, St. Mary'S, ISLES OF SCILLY, TR21 0JY Authority: Environment Agency, South West Region Permit Reference: QP3737HF Original Permit Ref: Tp3732se Effective Date: 1st June 2011 <b>Status: Effective</b> Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.1 A(2) a) Activity Description: Waste Incineration; Any Specified waste chemicals (Bromine..Zinc) Incineration of non hazardous waste <1T/HR Primary Activity: Y	A13SE (SE)	234	1	90940 10500
3	<b>Local Authority Pollution Prevention and Controls</b> Name: Council of the Isles of Scilly Location: Porthmellon Waste Management Site, Porth Mellon, ST MARYS, Isle of Scilly, TR21 Authority: Isles of Scilly Council, Environmental Health Department Permit Reference: EA/02/AY3237 Dated: 17th November 1997 Process Type: Local Authority Air Pollution Control Description: PG5/4 General waste incineration processes under 1 tonne an hour <b>Status: Transferred to IPPC</b> Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	234	2	90935 10494
	<b>Nearest Surface Water Feature</b>	A13NE (NE)	26	-	90737 10703
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 53 West Cornwall Scale: 1:100,000	A13NE (SW)	0	1	90699 10648
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Desination: Secondary Aquifer - A	A13NE (SW)	0	3	90699 10648
	<b>Superficial Aquifer Designations</b> No Data Available				
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>BGS Recorded Landfill Sites</b> Site Name: Lower Moors Location: Isles Of Scilly Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A13SE (E)	133	3	90873 10588
5	<b>Historical Landfill Sites</b> Licence Holder: Not Supplied Location: Isles Of Scilly Name: Lower Moors Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD32211 First Input Date: 31st December 1965 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1759 Other Ref: Not Supplied	A13SE (E)	133	1	90873 10588
6	<b>Integrated Pollution Control Registered Waste Sites</b> Name: Council Of The Isles Of Scilly Location: Porthmellon Waste Management Site, ST. MARYS, Isles of Scilly, TR21 0JY Authority: Environment Agency, South West Region Permit Reference: Bi2575 Dated: 31st May 2000 Process Type: Part B process minor variation to previous variation, transferred from local authority to the EA for regulation Description: Part B process, 5.1 Incineration within the Waste Disposal Industry <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b> Positional Accuracy: Manually positioned to the address or location	A13NE (E)	85	1	90821 10697
6	<b>Integrated Pollution Control Registered Waste Sites</b> Name: Council Of The Isles Of Scilly Location: Porthmellon Waste Management Site, ST. MARYS, Isles of Scilly, TR21 0JY Authority: Environment Agency, South West Region Permit Reference: AY3237 Dated: 17th November 1997 Process Type: Part B process application (previously registered under Alkali Act 1906), transferred from local authority to the EA for regulation Description: Part B process, 5.1 Incineration within the Waste Disposal Industry <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b> Positional Accuracy: Manually positioned to the address or location	A13NE (E)	85	1	90821 10697
7	<b>Integrated Pollution Control Registered Waste Sites</b> Name: Council Of The Isles Of Scilly Location: Porthmellon Waste Management Site, ST. MARYS, Isles Of Scilly, TR21 0JY Authority: Environment Agency, South West Region Permit Reference: Bj5449 Dated: 6th November 2000 Process Type: Part B process minor variation to previous variation, transferred from local authority to the EA for regulation Description: Part B process, 5.1 Incineration within the Waste Disposal Industry <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b> Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	235	1	90939 10497
8	<b>Integrated Pollution Control Registered Waste Sites</b> Name: Council Of The Isles Of Scilly Location: Porthmellon Waste Management Site, St. Marys, Isles Of Scilly, Tr21 0jy Authority: Environment Agency, South West Region Permit Reference: Bv6145 Dated: 1st November 2003 Process Type: Part B process minor variation to previous variation, transferred from local authority to the EA for regulation Description: Part B process, 5.1 Incineration within the Waste Disposal Industry <b>Status: Revoked - Now IPPC</b> Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	405	1	91122 10806
	<b>Local Authority Landfill Coverage</b> Name: Isles of Scilly Council - Has no landfill data to supply		0	5	90699 10648



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Granite, syenite, granophyre and allied types	A13NE (SW)	0	3	90699 10648
	<b>BGS Estimated Soil Chemistry</b> No data available				
9	<b>BGS Recorded Mineral Sites</b> Site Name: Moor Well Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27232 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A13SE (S)	105	3	90755 10510
10	<b>BGS Recorded Mineral Sites</b> Site Name: Buzza Hill Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27231 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A13SE (S)	178	3	90705 10425
11	<b>BGS Recorded Mineral Sites</b> Site Name: Sandy Banks Sand Pit Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27225 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Alluvium Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A13NE (E)	271	3	91000 10745
12	<b>BGS Recorded Mineral Sites</b> Site Name: Mount Flagon Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27224 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	343	3	90920 10965
13	<b>BGS Recorded Mineral Sites</b> Site Name: Carn Gwaval Location: , Old Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27230 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	382	3	90975 10325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<b>BGS Recorded Mineral Sites</b> Site Name: King Charles' Battery Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27233 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A12NW (W)	691	3	89955 10690
15	<b>BGS Recorded Mineral Sites</b> Site Name: Rocky Hill Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27226 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A14NE (E)	744	3	91435 10935
16	<b>BGS Recorded Mineral Sites</b> Site Name: Trinity House Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27240 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	759	3	90065 10175
17	<b>BGS Recorded Mineral Sites</b> Site Name: St Mary'S Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27234 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A12SW (W)	871	3	89810 10420
18	<b>BGS Recorded Mineral Sites</b> Site Name: Morning Point Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27241 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	904	3	90050 9980
19	<b>BGS Recorded Mineral Sites</b> Site Name: Woolpack Battery Location: , Hugh Town, St Mary'S, Isles Of Scilly Source: British Geological Survey, National Geoscience Information Service Reference: 27238 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous, Permian Geology: Isles Of Scilly Intrusion Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	979	3	89795 10180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<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>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	3	90699 10648
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	42	3	90772 10700
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	46	3	90605 10688
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	3	90699 10648
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	43	3	90778 10692
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	62	3	90609 10716
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	76	3	90750 10749
	<b>Potential for Ground Dissolution Stability Hazards</b> No Hazard				
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	3	90699 10648
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	42	3	90772 10700
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	43	3	90778 10692
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	46	3	90605 10688
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	56	3	90797 10663
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	62	3	90609 10716
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	76	3	90750 10749
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	79	3	90820 10602
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	3	90699 10648
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	42	3	90772 10700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	46	3	90605 10688
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	47	3	90785 10682
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	3	90699 10648
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	43	3	90778 10692
	<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	A13NE (SW)	0	3	90699 10648
	<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	A13NE (E)	0	3	90720 10648
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a higher probability radon area, as between 10 and 30% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	3	90699 10648
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a higher probability radon area, as over 30% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	3	90720 10648

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<b>Contemporary Trade Directory Entries</b> Name: The Dairy Location: Strand, St. Mary's, Isles of Scilly, TR21 OPT Classification: Dairies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	24	-	90621 10662
20	<b>Contemporary Trade Directory Entries</b> Name: The Dairies Location: Strand, St. Mary's, Isles of Scilly, TR21 OPT Classification: Dairies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	25	-	90621 10662
21	<b>Contemporary Trade Directory Entries</b> Name: Island Carriers Location: St. Mary's, Isles of Scilly, TR21 OJY Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	58	-	90797 10668
21	<b>Contemporary Trade Directory Entries</b> Name: D R Parr Location: Unit 1, St. Mary's, Isles of Scilly, TR21 OJY Classification: Engineers - General <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	89	-	90835 10655
22	<b>Contemporary Trade Directory Entries</b> Name: Isles Of Scilly Perfumery Location: St. Mary's, Isles of Scilly, TR21 ONE Classification: Perfume Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	108	-	90828 10735
23	<b>Contemporary Trade Directory Entries</b> Name: Rat Island Sail Boat Co Location: Porth Mellon/St. Mary'S, Isles of Scilly, TR21 OJY Classification: Sailmakers & Repairers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	126	-	90869 10670
23	<b>Contemporary Trade Directory Entries</b> Name: Rat Island Location: Porth Mellon/St. Mary'S, Isles of Scilly, TR21 OJY Classification: Boatbuilders & Repairers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	126	-	90869 10670
23	<b>Contemporary Trade Directory Entries</b> Name: Richard Hand Location: Unit 7, St. Mary's, Isles of Scilly, TR21 OJY Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SE (E)	132	-	90880 10639
23	<b>Contemporary Trade Directory Entries</b> Name: Phoenix Stained Glass Location: St. Mary's, Isles of Scilly, TR21 OJY Classification: Stained Glass Designers & Producers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	154	-	90893 10686
23	<b>Contemporary Trade Directory Entries</b> Name: Ales Of Scilly Location: Porth Mellon/St. Mary's, Isles of Scilly, TR21 OJY Classification: Brewers <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	175	-	90923 10639
24	<b>Contemporary Trade Directory Entries</b> Name: A H Read & Son Location: Porthmellon Works, St. Mary's, Isles of Scilly, TR21 OJY Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	139	-	90869 10724
24	<b>Contemporary Trade Directory Entries</b> Name: Sailmakers Location: Porthmellon Works, Porth Mellon/St. Mary's, Isles of Scilly, TR21 OJY Classification: Sailmakers & Repairers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	139	-	90868 10724

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Contemporary Trade Directory Entries</b> Name: Scillonia Building Supplies Location: St. Mary's, Isles of Scilly, TR21 0JY Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	164	-	90898 10711
24	<b>Contemporary Trade Directory Entries</b> Name: David Parr Location: Porth Mellon/St. Mary's, Isles of Scilly, TR21 0JY Classification: Marine Engineering Equipment Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	173	-	90910 10696
25	<b>Contemporary Trade Directory Entries</b> Name: Roy Tatler Location: 14 Porthmellon Indust Est, St Marys, Isles Of Scilly, TR21 0JY Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	190	-	90937 10651
26	<b>Contemporary Trade Directory Entries</b> Name: Nike Engineering Ltd Location: Unit 2a, St. Mary's, Isles of Scilly, TR21 0JY Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	218	-	90951 10726
27	<b>Contemporary Trade Directory Entries</b> Name: Witard Hobson Location: Bay View Terrace, St. Mary's, Isles of Scilly, TR21 0NE Classification: Perfume Suppliers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	258	-	90960 10806
28	<b>Contemporary Trade Directory Entries</b> Name: St Mary'S Hospital Location: Belmont, St. Mary's, Isles of Scilly, TR21 0LE Classification: Hospitals <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SE (S)	270	-	90743 10336
29	<b>Contemporary Trade Directory Entries</b> Name: Sibleys Location: St. Mary's, Isles of Scilly, TR21 0JQ Classification: Fuel Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	292	-	90462 10432
30	<b>Contemporary Trade Directory Entries</b> Name: Southard Engineering Llp Location: Thorofare, St. Mary'S, Isles of Scilly, TR21 0LN Classification: Marine Engineers <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A12SE (W)	354	-	90309 10556
30	<b>Contemporary Trade Directory Entries</b> Name: Island Photos Location: The Pde, St. Mary'S, Isles of Scilly, TR21 0LP Classification: Photographic Processors <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A12SE (W)	386	-	90285 10527
31	<b>Contemporary Trade Directory Entries</b> Name: Steamship Chandlers & Marine Engineers Location: Hugh Street, St. Mary's, Isles of Scilly, TR21 0LJ Classification: Marine Engineers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	411	-	90247 10564
31	<b>Contemporary Trade Directory Entries</b> Name: Island Home Hardware Location: Garrison Lane, St. Mary's, Isles of Scilly, TR21 0JD Classification: Hardware <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	436	-	90235 10517
32	<b>Contemporary Trade Directory Entries</b> Name: Isles Of Scilly Perfumery Location: Porthloo, St. Mary's, Isles of Scilly, TR21 0NE Classification: Perfume Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SE (NE)	474	-	90924 11110



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<b>Contemporary Trade Directory Entries</b> Name: Duchy Of Cornwall Location: The Quay, St Marys, Isles Of Scilly, TR21 0HU Classification: Ports, Docks & Harbours <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	490	-	90201 10874
33	<b>Contemporary Trade Directory Entries</b> Name: Rat Island Sailboat Location: The Quay, St. Mary's, Isles of Scilly, TR21 0HU Classification: Sailmakers & Repairers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	530	-	90170 10900
34	<b>Contemporary Trade Directory Entries</b> Name: Woodworks Location: Flat 1, Castle Farm, St. Mary's, Isles of Scilly, TR21 0NN Classification: Cabinet Makers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	763	-	91452 10339
35	<b>Contemporary Trade Directory Entries</b> Name: H Wakefield Location: The Pottery, St. Mary's, Isles of Scilly, TR21 0LS Classification: Pottery Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	809	-	91556 10599
36	<b>Fuel Station Entries</b> Name: Porthmellon Ind Estate Location: Telegraph Road, Hugh Town, St Marys (Isles Of Scilly), Isles Of Scilly, Tr21 0jy Brand: Unbranded Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	84	-	90817 10703
37	<b>Fuel Station Entries</b> Name: Porthcressa Filling Station Location: Buzza Street, Hugh Town, St Marys (Isles Of Scilly), Isles Of Scilly, Tr21 0jq Brand: Unbranded Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	262	-	90498 10440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	<b>Areas of Outstanding Natural Beauty</b> Name: Isles Of Scilly Multiple Areas: N Total Area (m2): 168308200.19 Designation Date: 29th February 1976 Source: Natural England	A13NE (SW)	0	4	90699 10648
39	<b>Sites of Special Scientific Interest</b> Name: Lower Moors (St Mary'S) Multiple Areas: N Total Area (m2): 101611.51 Source: Natural England Reference: 1001273 Designation Details: Not Supplied Designation Date: 22nd December 1986 Date Type: Notified	A13SE (SE)	256	4	90982 10529
40	<b>Sites of Special Scientific Interest</b> Name: Peninnis Head (St Mary'S) Multiple Areas: Y Total Area (m2): 163130.21 Source: Natural England Reference: 1001894 Designation Details: Geological Conservation Review Designation Date: 31st March 1989 Date Type: Notified Designation Details: Heritage Coast Designation Date: 31st March 1989 Date Type: Notified	A8NW (S)	616	4	90660 9989
41	<b>Sites of Special Scientific Interest</b> Name: Porthloo Multiple Areas: N Total Area (m2): 5447.89 Source: Natural England Reference: 2000177 Designation Details: Geological Conservation Review Designation Date: 17th October 1996 Date Type: Notified	A18NE (N)	736	4	90889 11395
42	<b>Special Areas of Conservation</b> Name: Isles Of Scilly Complex Multiple Areas: Y Total Area (m2): 268486175.61 Source: Natural England Reference: UK0013694 <b>Status: Designated</b>	A13NW (N)	96	4	90686 10781

<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contaminated Land Register Entries and Notices</b> Isles of Scilly Council - Environmental Health Department	October 2012	Annual Rolling Update
<b>Integrated Pollution Prevention And Control</b> Environment Agency - South West Region	October 2013	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Isles of Scilly Council - Environmental Health Department	September 2013	Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> Isles of Scilly Council - Environmental Health Department	September 2013	Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Isles of Scilly Council - Environmental Health Department	September 2013	Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - South West Region - Devon and Cornwall Area	October 2013	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	October 2013	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2013	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2013	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	August 2013	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	August 2013	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	August 2013	Quarterly


<b>Waste</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	October 2013 October 2013	Quarterly Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - South West Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - South West Region - Devon and Cornwall Area	October 2013	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - South West Region - Devon and Cornwall Area	July 2013	Quarterly
<b>Local Authority Landfill Coverage</b> Isles of Scilly Council	May 2000	Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Isles of Scilly Council	May 2000	Not Applicable
<b>Hazardous Substances</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	August 2013	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2013	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Isles of Scilly Council	November 2012	Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Isles of Scilly Council	November 2012	Annual Rolling Update

<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Variable
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	October 2013	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	January 2012	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	August 2013	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2013	Quarterly

<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Areas of Outstanding Natural Beauty</b> Natural England	July 2013	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	July 2013	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Parks</b> Natural England	July 2013	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
<b>Ramsar Sites</b> Natural England	July 2013	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	July 2013	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	July 2013	Bi-Annually
<b>Special Protection Areas</b> Natural England	July 2013	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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
2	<b>Isles of Scilly Council - Environmental Health Department</b> Town Hall, St Marys, Isles Of Scilly, TR21 OLW	Telephone: 01720 422537 Fax: 01720 422202 Website: <a href="http://www.scilly.gov.uk">www.scilly.gov.uk</a>
3	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
4	<b>Natural England</b> Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: <a href="mailto:enquiries@naturalengland.org.uk">enquiries@naturalengland.org.uk</a> Website: <a href="http://www.naturalengland.org.uk">www.naturalengland.org.uk</a>
5	<b>Isles of Scilly Council</b> Town Hall, St Marys, Isles of Scilly, TR21 OLW	Telephone: 01720 422537 Fax: 01720 422202 Website: <a href="http://www.scilly.gov.uk">www.scilly.gov.uk</a>
-	<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: <a href="mailto:radon@phe.gov.uk">radon@phe.gov.uk</a> Website: <a href="http://www.ukradon.org">www.ukradon.org</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

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

# Historical Mapping Legends

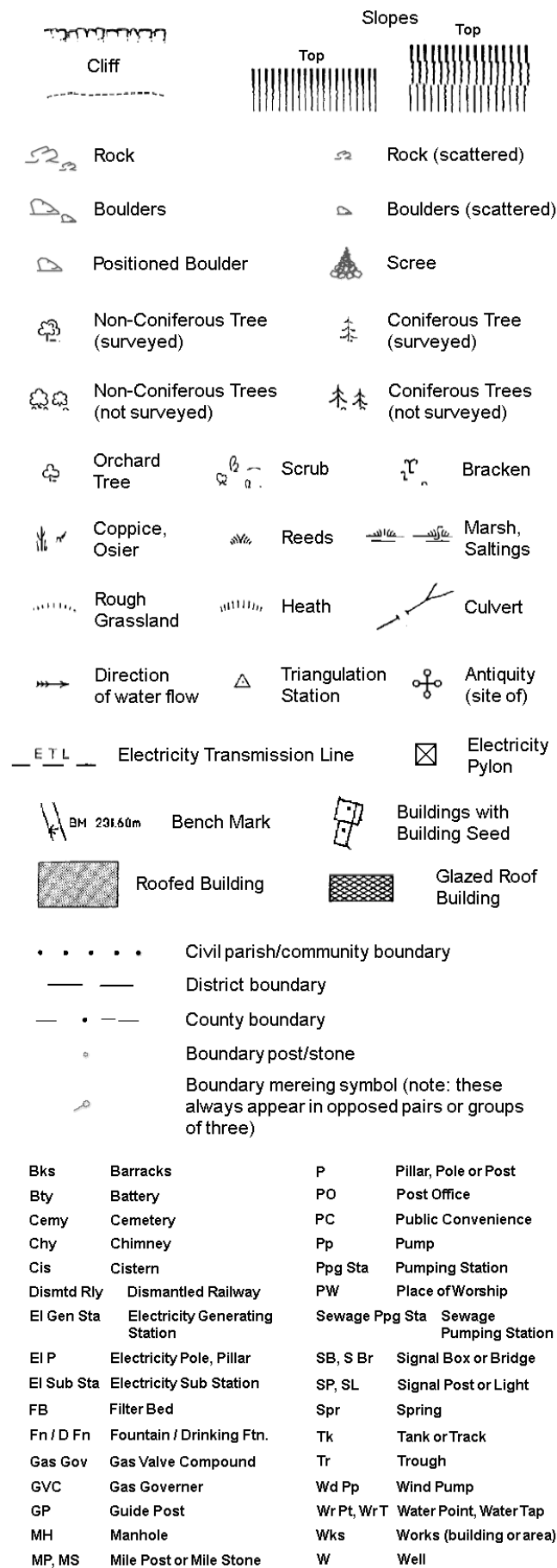
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



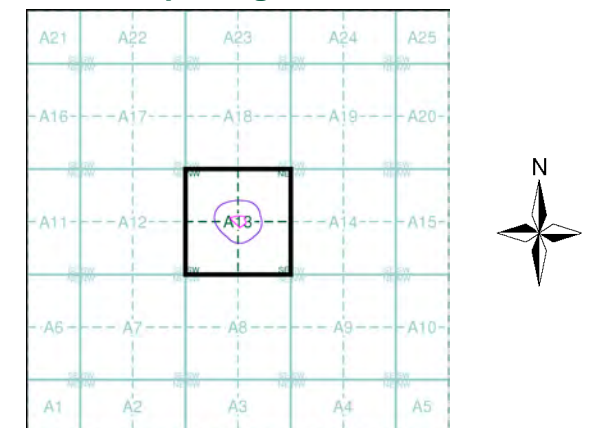
## Large-Scale National Grid Data 1:2,500 and 1:1,250



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cornwall & Isles Of Scilly	1:2,500	1890	2
Cornwall & Isles Of Scilly	1:2,500	1908	3
Ordnance Survey Plan	1:2,500	1980	4
Large-Scale National Grid Data	1:2,500	1995	5
Large-Scale National Grid Data	1:2,500	1995	6

## Historical Map - Segment A13



## Order Details

Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 100

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



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



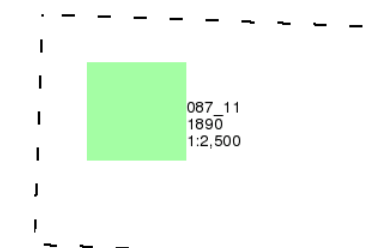
## Cornwall & Isles Of Scilly

Published 1890

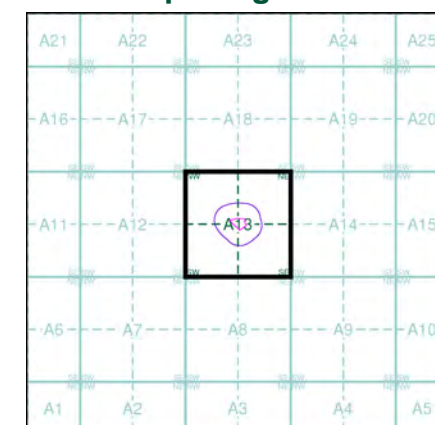
Source map scale - 1:2,500

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

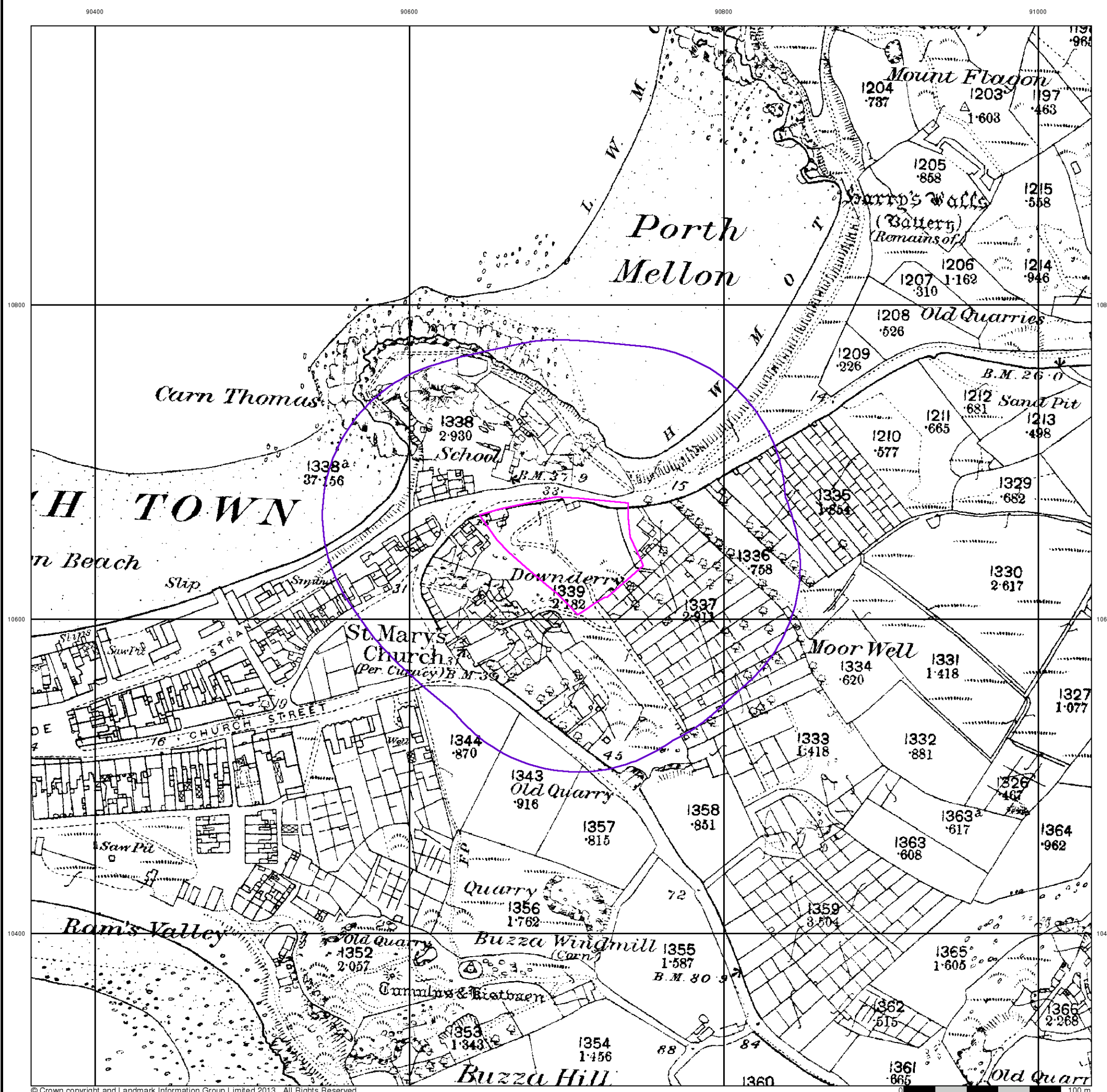


## Order Details

Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 100

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT





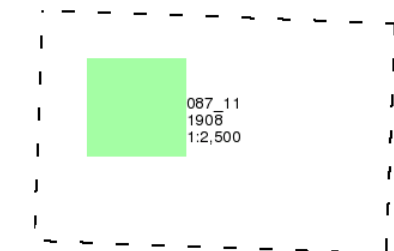
## Cornwall & Isles Of Scilly

Published 1908

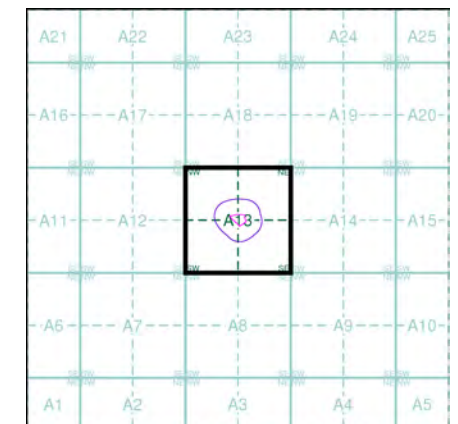
Source map scale - 1:2,500

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

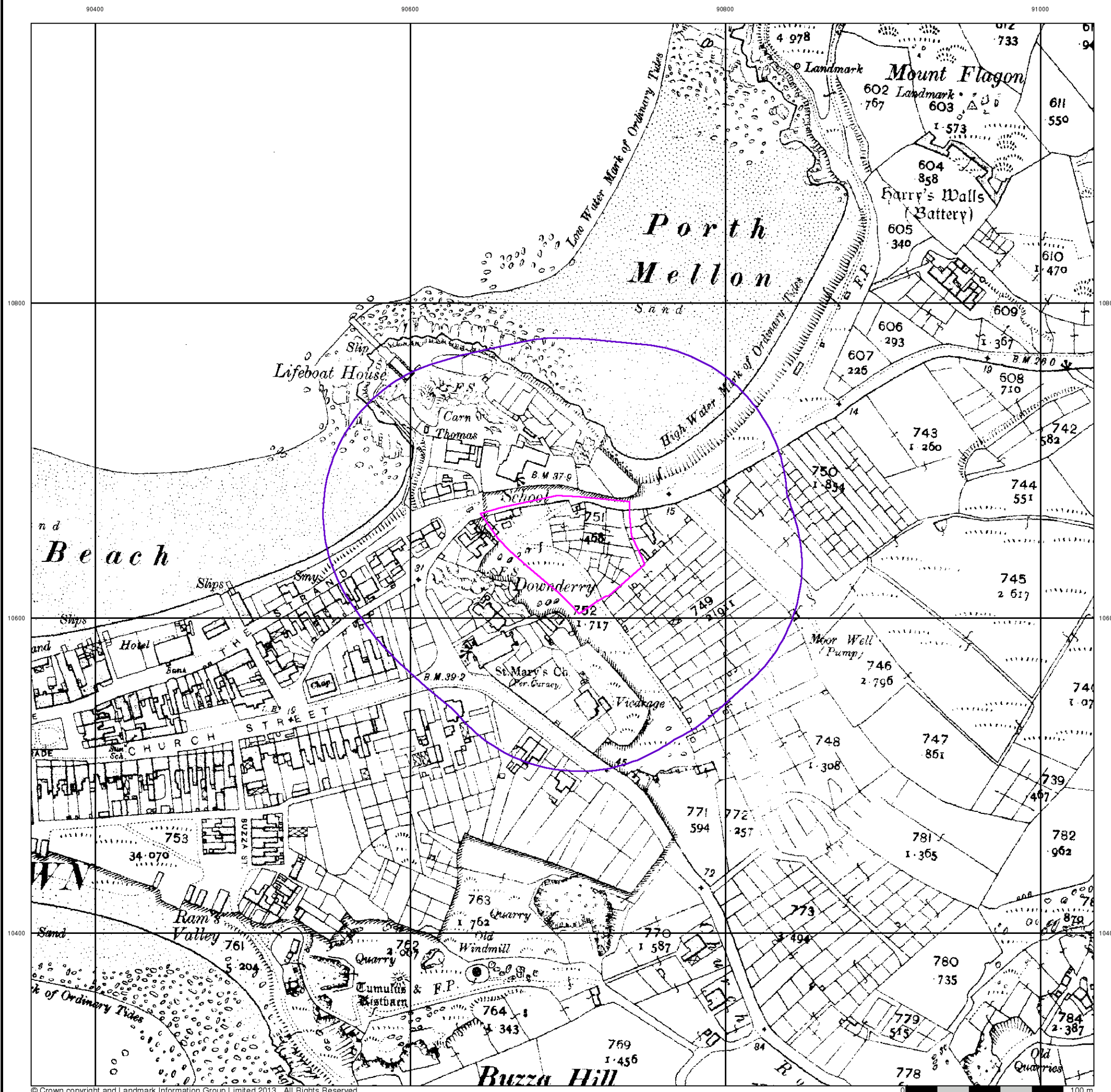


### Order Details

Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 100

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT





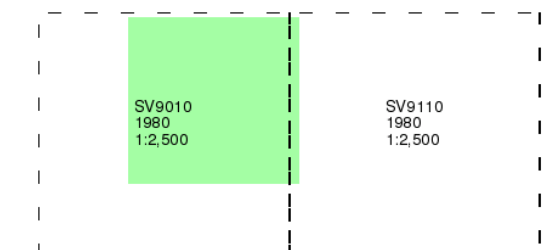
## Ordnance Survey Plan

Published 1980

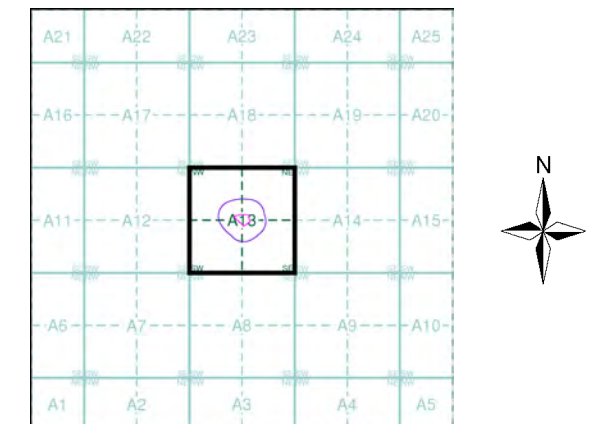
Source map scale - 1:2,500

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: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 100

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT





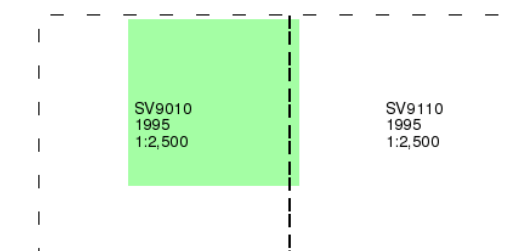
## Large-Scale National Grid Data

Published 1995

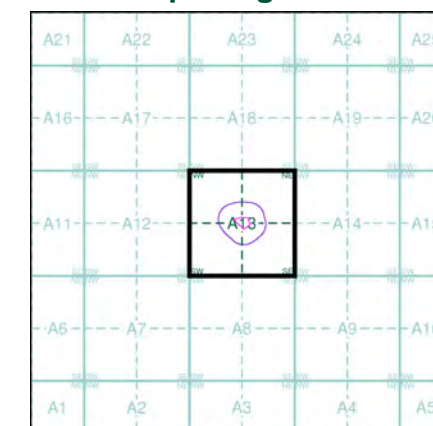
Source map scale - 1:2,500

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

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



### Historical Map - Segment A13

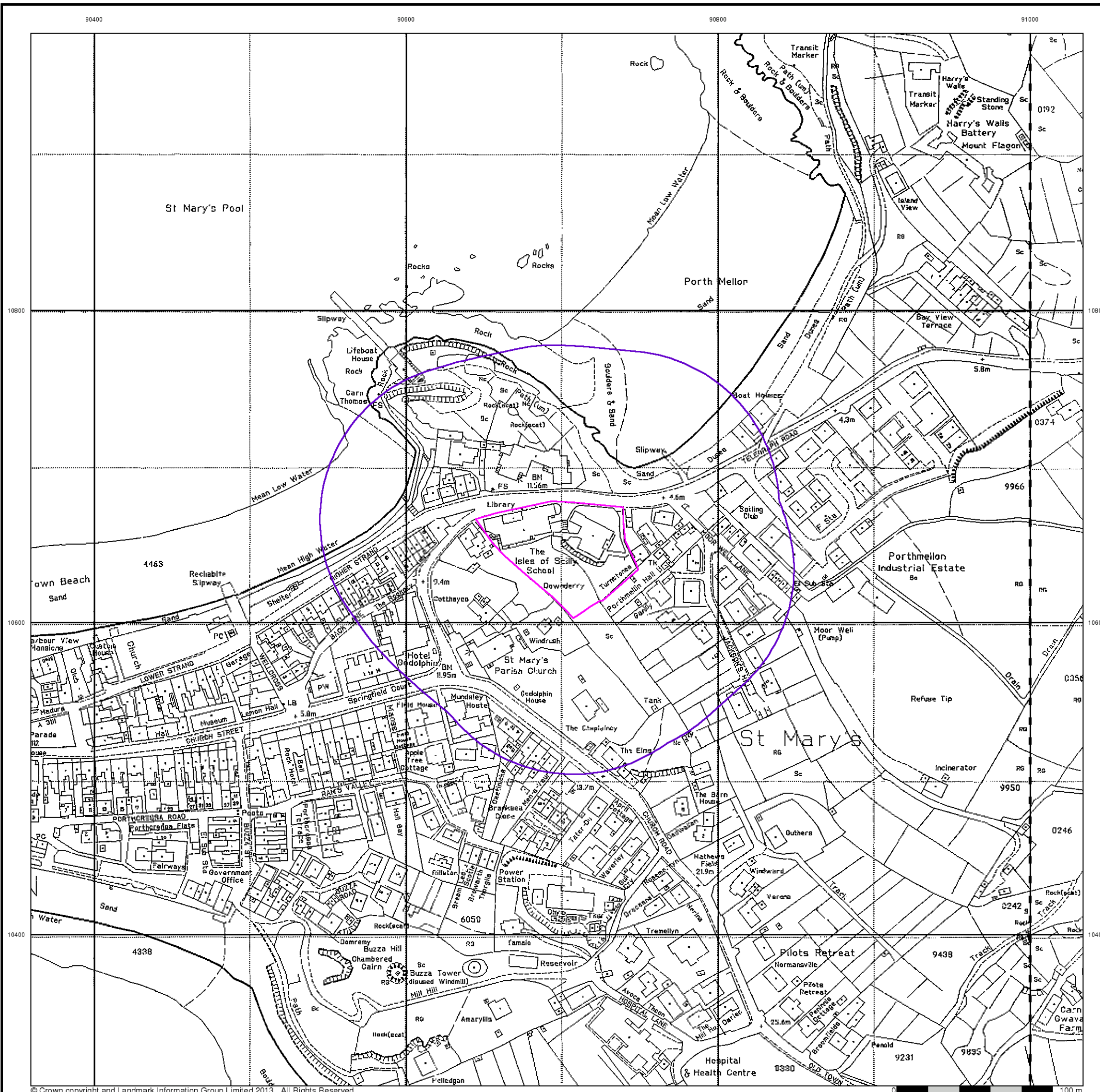


### Order Details

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 100

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT





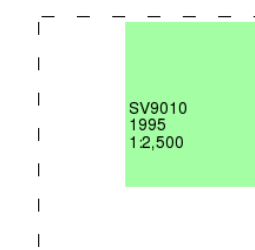
## Large-Scale National Grid Data

Published 1995

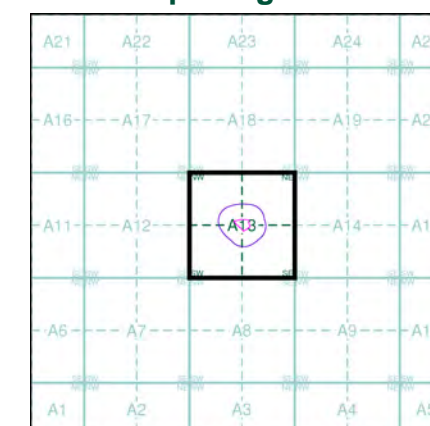
Source map scale - 1:2,500

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

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



### Historical Map - Segment A13

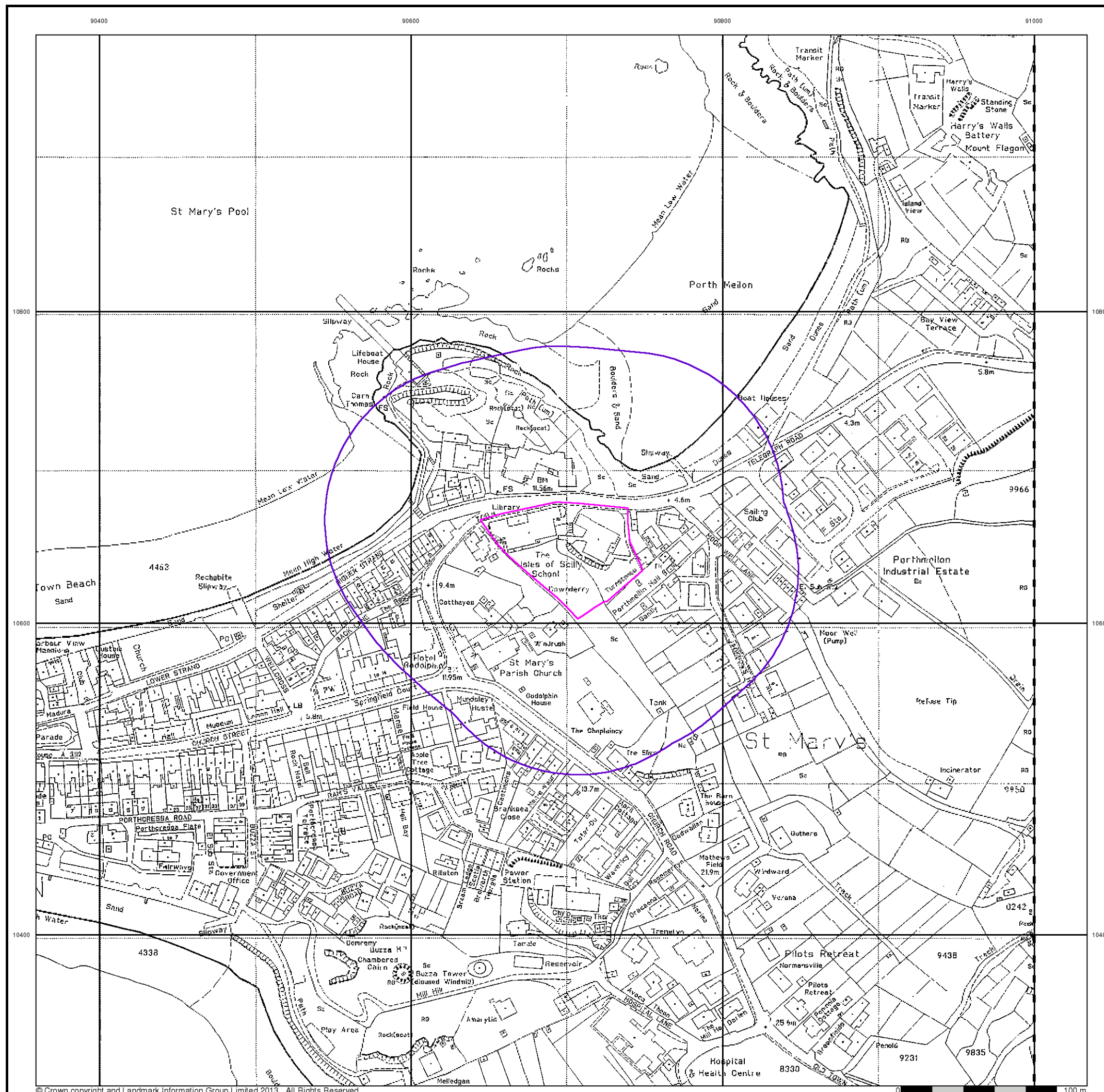


### Order Details

Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 100

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY,  
TR21 0PT



# 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		
	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		
	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		
	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

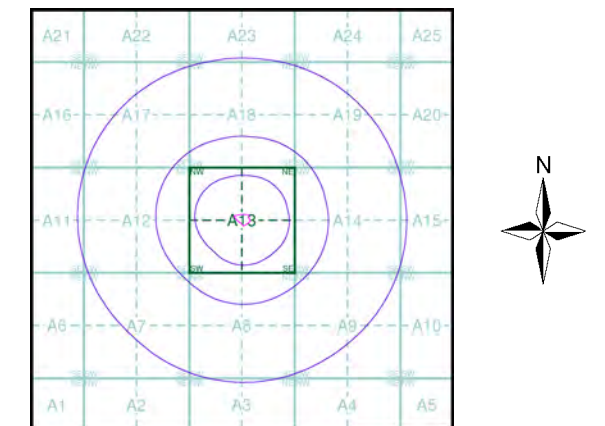
## 1:10,000 Raster Mapping

	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	1889	2
Cornwall & Isles Of Scilly	1:10,560	1909	3
Ordnance Survey Plan	1:10,000	1963	4
Ordnance Survey Plan	1:10,000	1980	5
10K Raster Mapping	1:10,000	2006	6
10K Raster Mapping	1:10,000	2013	7

## Historical Map - Slice A



## Order Details

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



## Cornwall & Isles Of Scilly

Published 1889

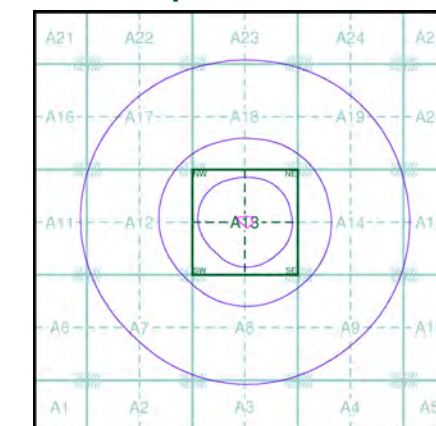
Source map scale - 1:10,560

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)

087NW 1889 1:10,560	087NE 1889 1:10,560
087SW 1889 1:10,560	087SE 1889 1:10,560

### Historical Map - Slice A

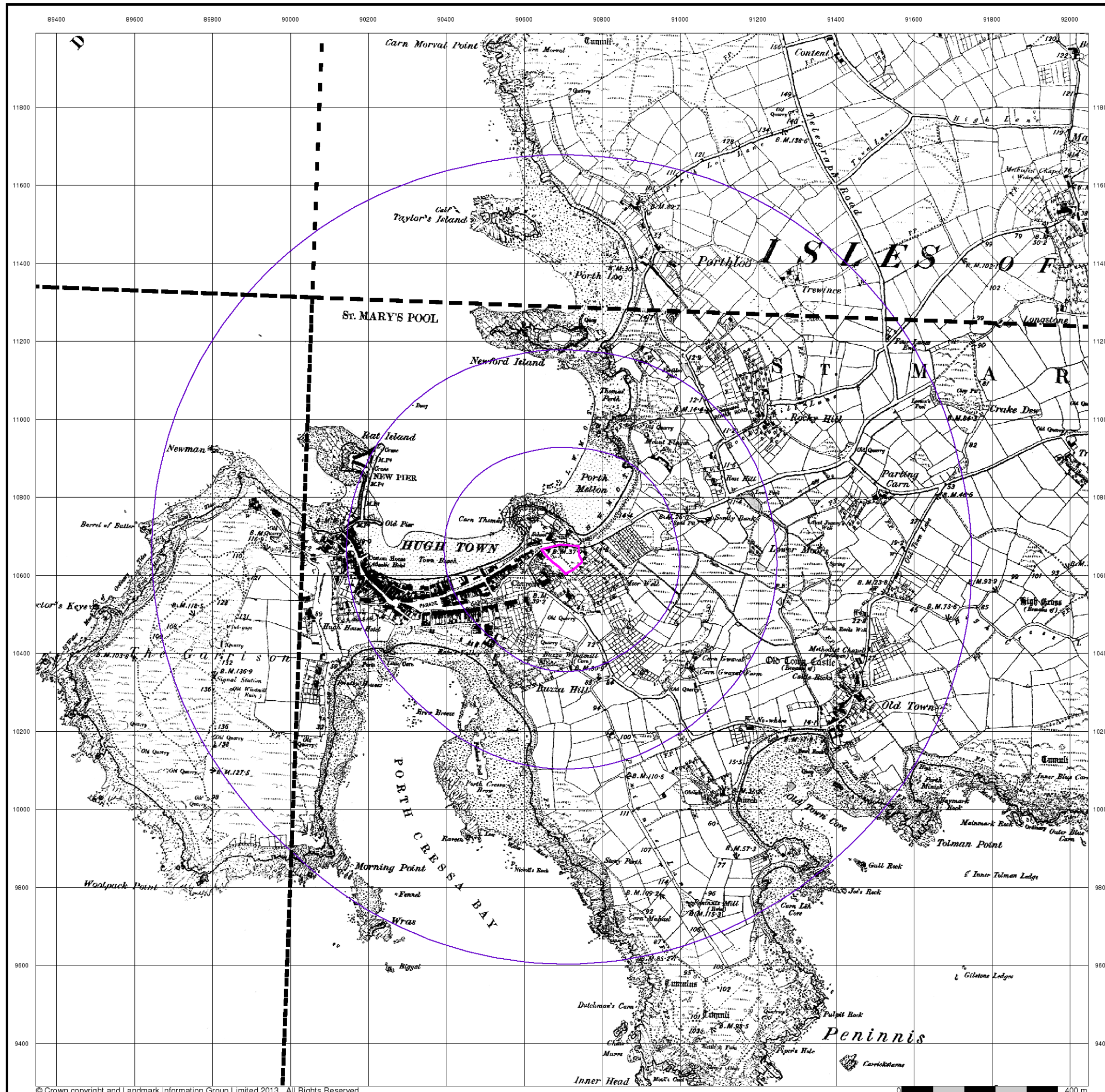


### Order Details

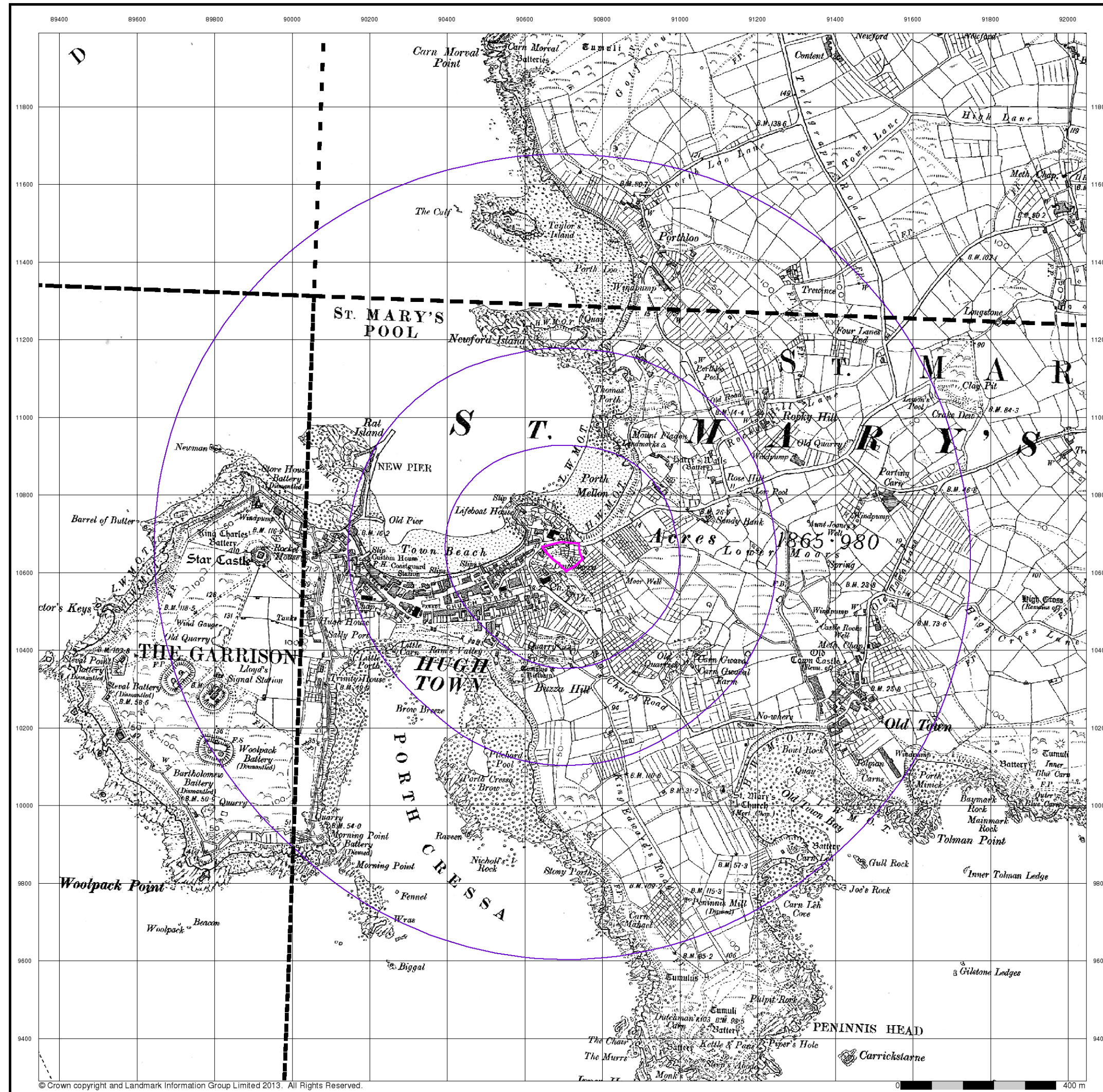
Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY,  
TR21 0PT







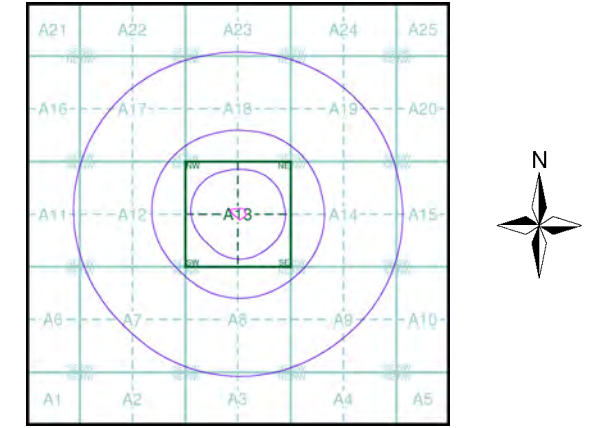
**Cornwall & Isles Of Scilly**  
**Published 1909**  
**Source map scale - 1:10,560**

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)**

087NW 1909 1:10,560	087NE 1909 1:10,560
087SW 1909 1:10,560	087SE 1909 1:10,560

**Historical Map - Slice A**



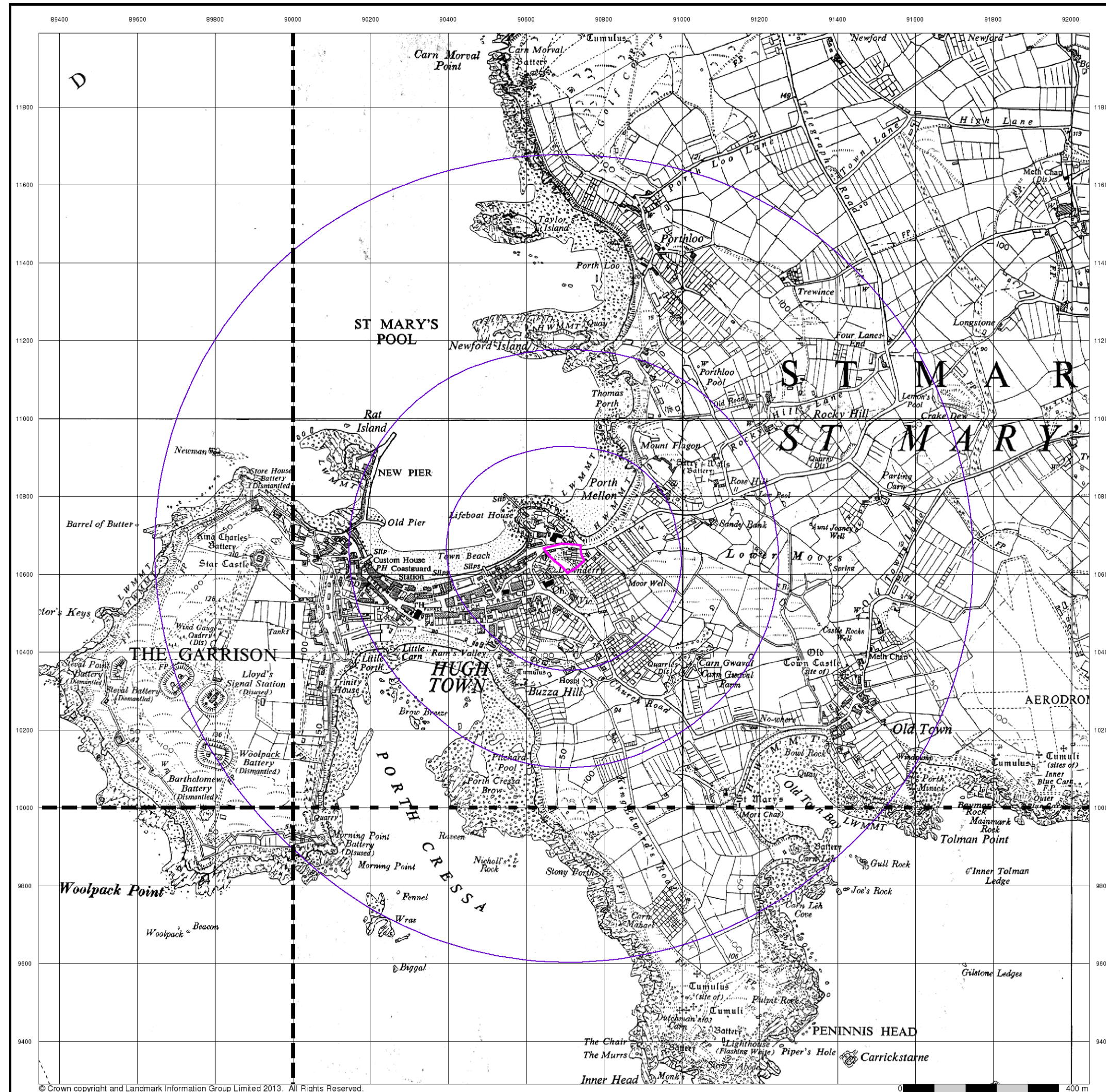
**Order Details**

Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

**Site Details**

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT





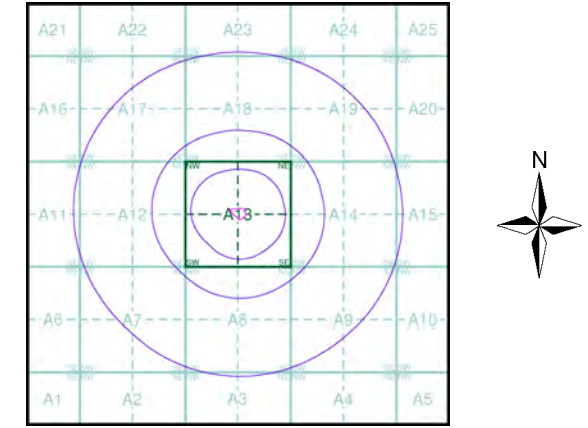
**Ordnance Survey Plan**  
**Published 1963**  
**Source map scale - 1:10,000**

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)**

SV81SE	SV91SW
1963	1963
1:10,560	1:10,560
SV80NE	SV90NW
1963	1963
1:10,560	1:10,560

**Historical Map - Slice A**



**Order Details**  
Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

**Site Details**  
The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY,  
TR21 0PT



## Ordnance Survey Plan

**Published 1980**

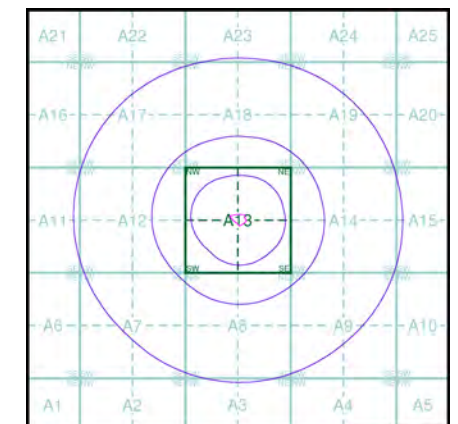
**Source map scale - 1:10,000**

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)

SV81SE	1980	1:10,000
SV80NE	1980	1:10,000

## Historical Map - Slice A

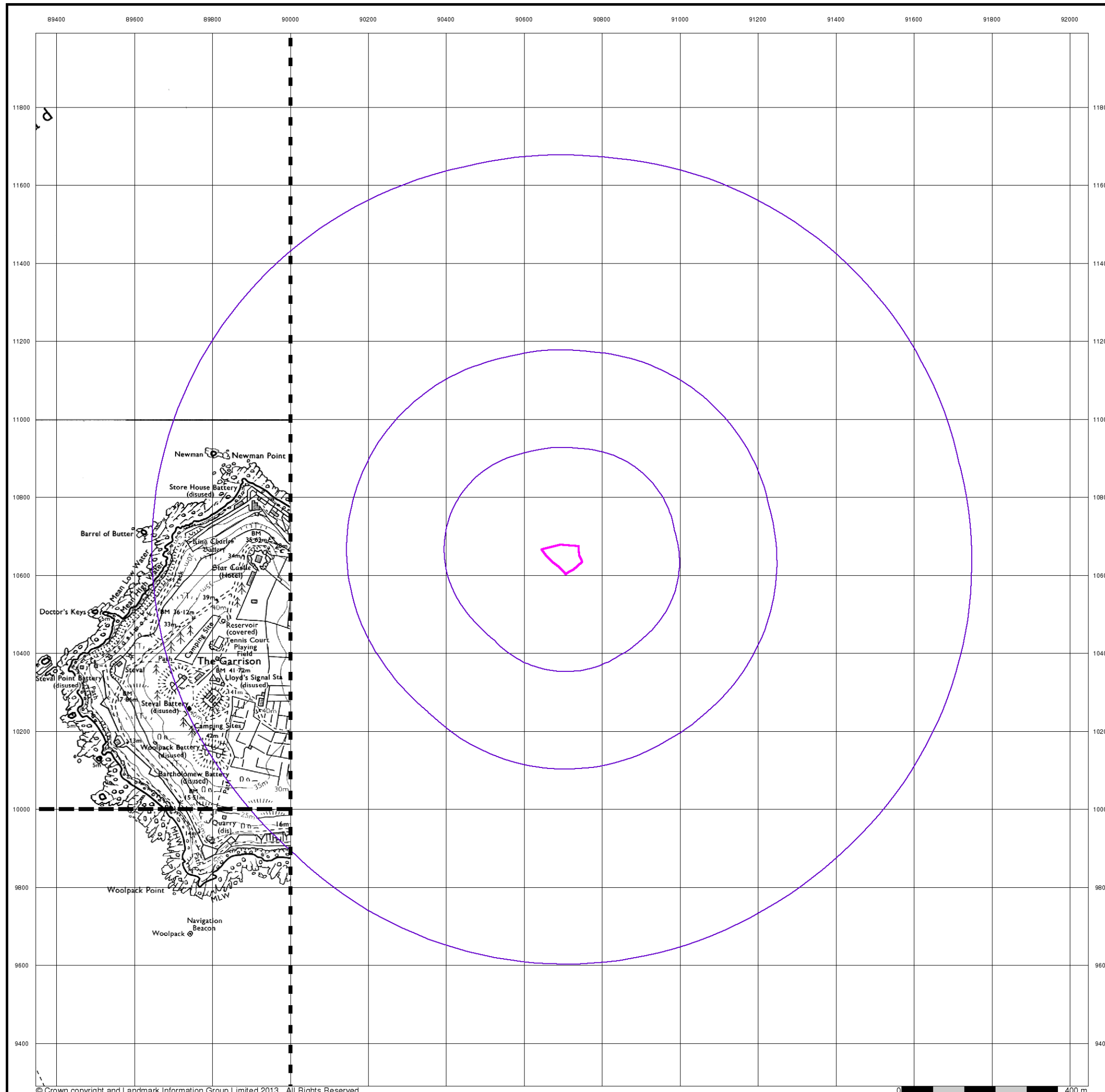


## Order Details

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY,  
 TR21 0PT







## 10k Raster Mapping

Published 2006

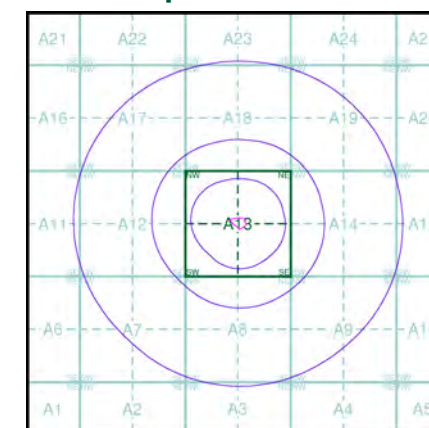
Source map scale - 1:10,000

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)

SV81SE	SV91SW
2006	2006
1:10,000	1:10,000
SV80NE	SV90NW
2006	2006
1:10,000	1:10,000

## Historical Map - Slice A



## Order Details

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



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





## 10k Raster Mapping

Published 2013

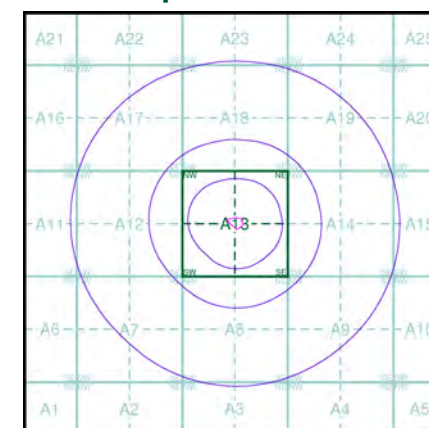
Source map scale - 1:10,000

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)

SV81SE 2013 1:10,000	SV91SW 2013 1:10,000
SV80NE 2013 1:10,000	SV90NW 2013 1:10,000

## Historical Map - Slice A



## Order Details

Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

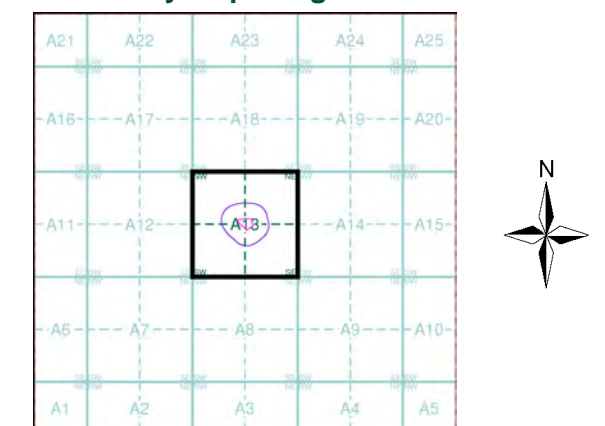
## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



- 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
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Registered Landfill Site
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Segment A13

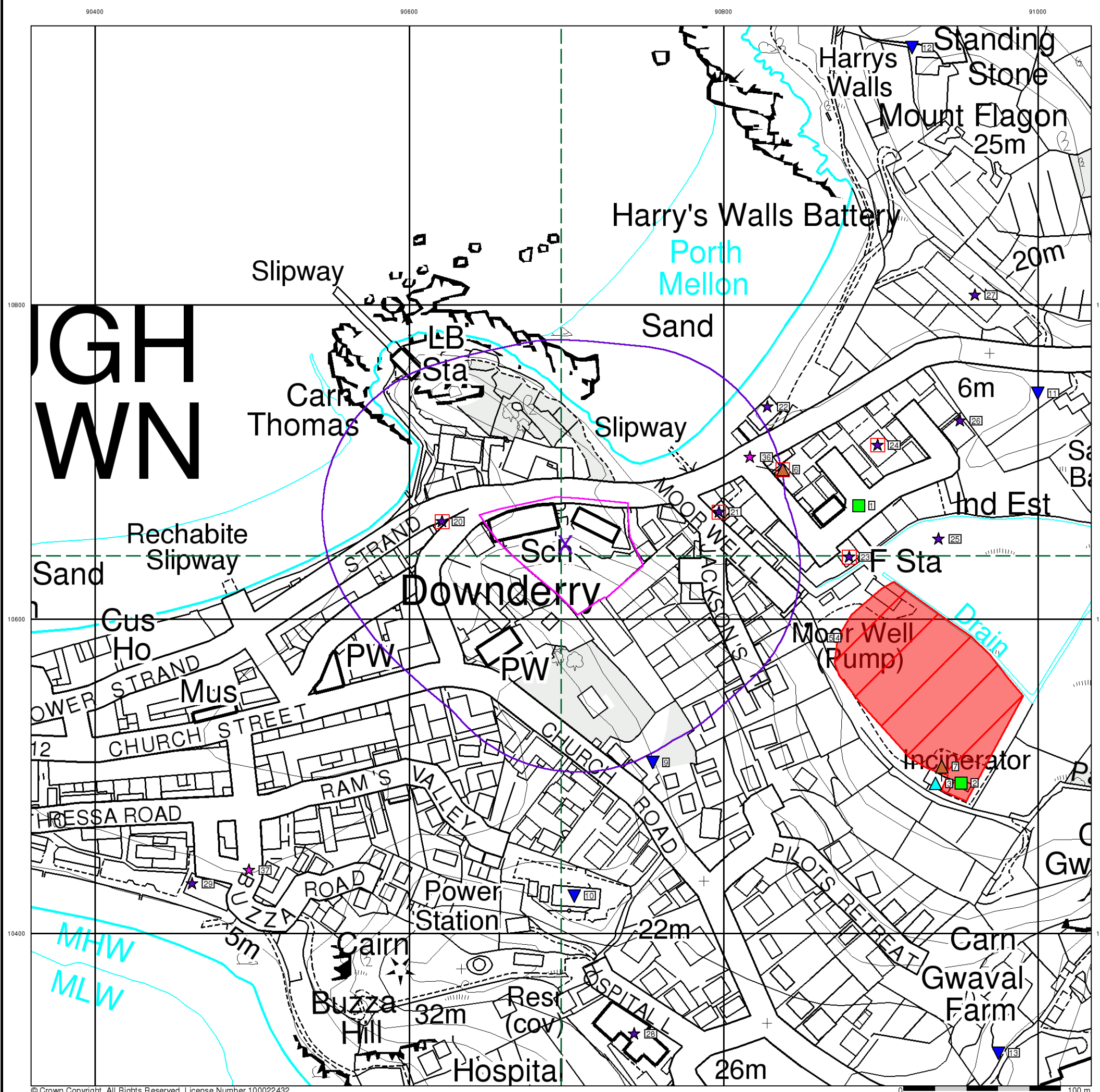


### Order Details

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT

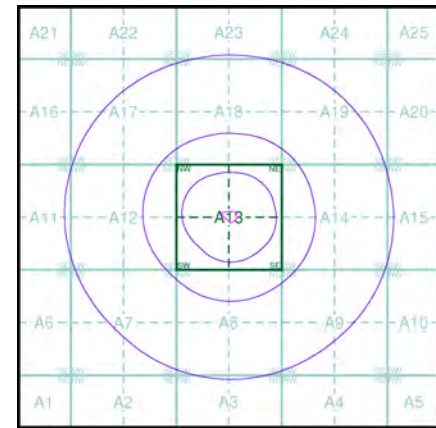






- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Types at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control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

**Site Sensitivity Map - Slice A**



**Order Details**

Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

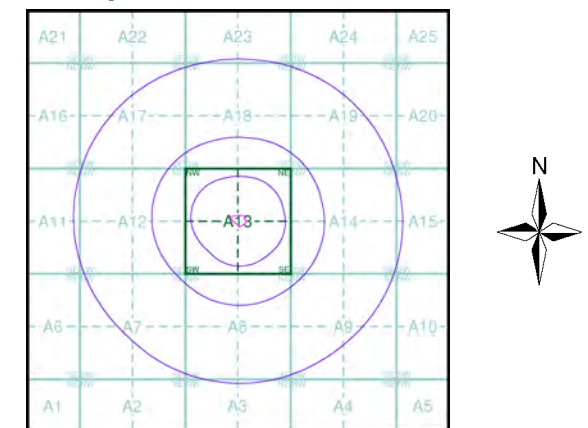
**Site Details**

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



- 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



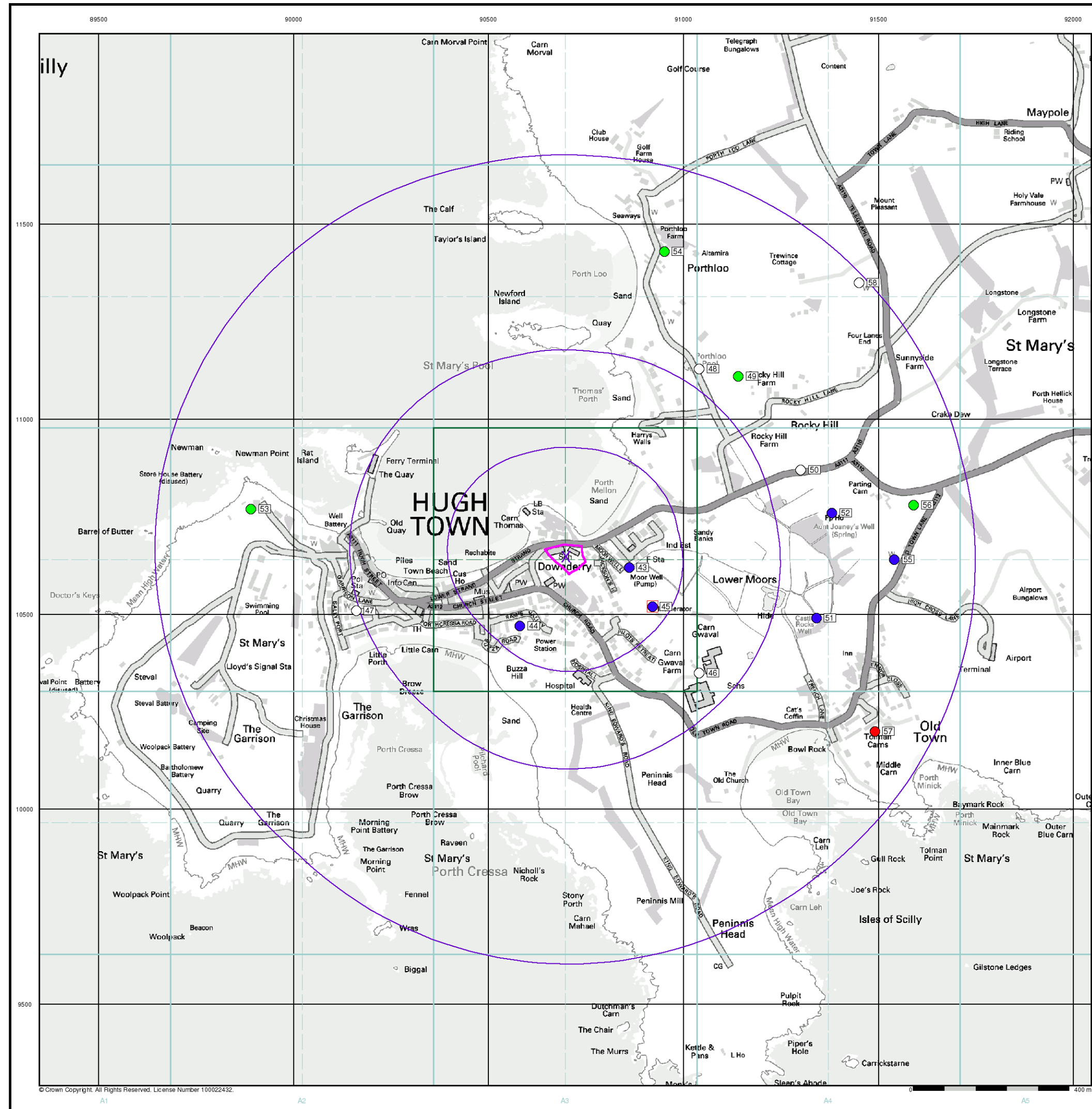
**Order Details**

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

**Site Details**

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT





**General**

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

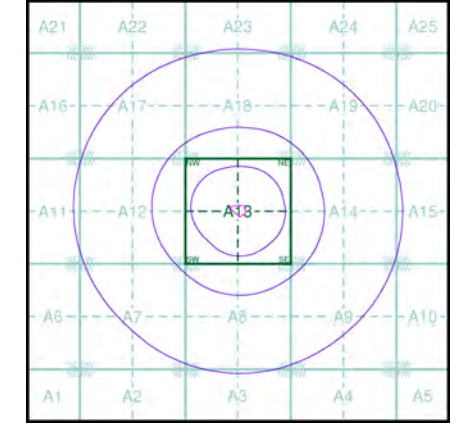
**Agency and Hydrological (Boreholes)**

- 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: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

**Site Details**

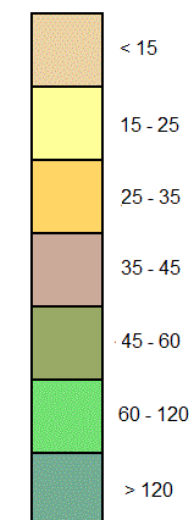
The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT

## General

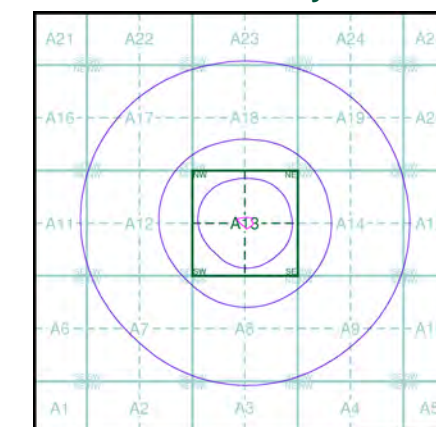
○ Specified Site    
 ○ Specified Buffer(s)    
 X Bearing Reference Point

## Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



## Estimated Soil Chemistry Arsenic - Slice A

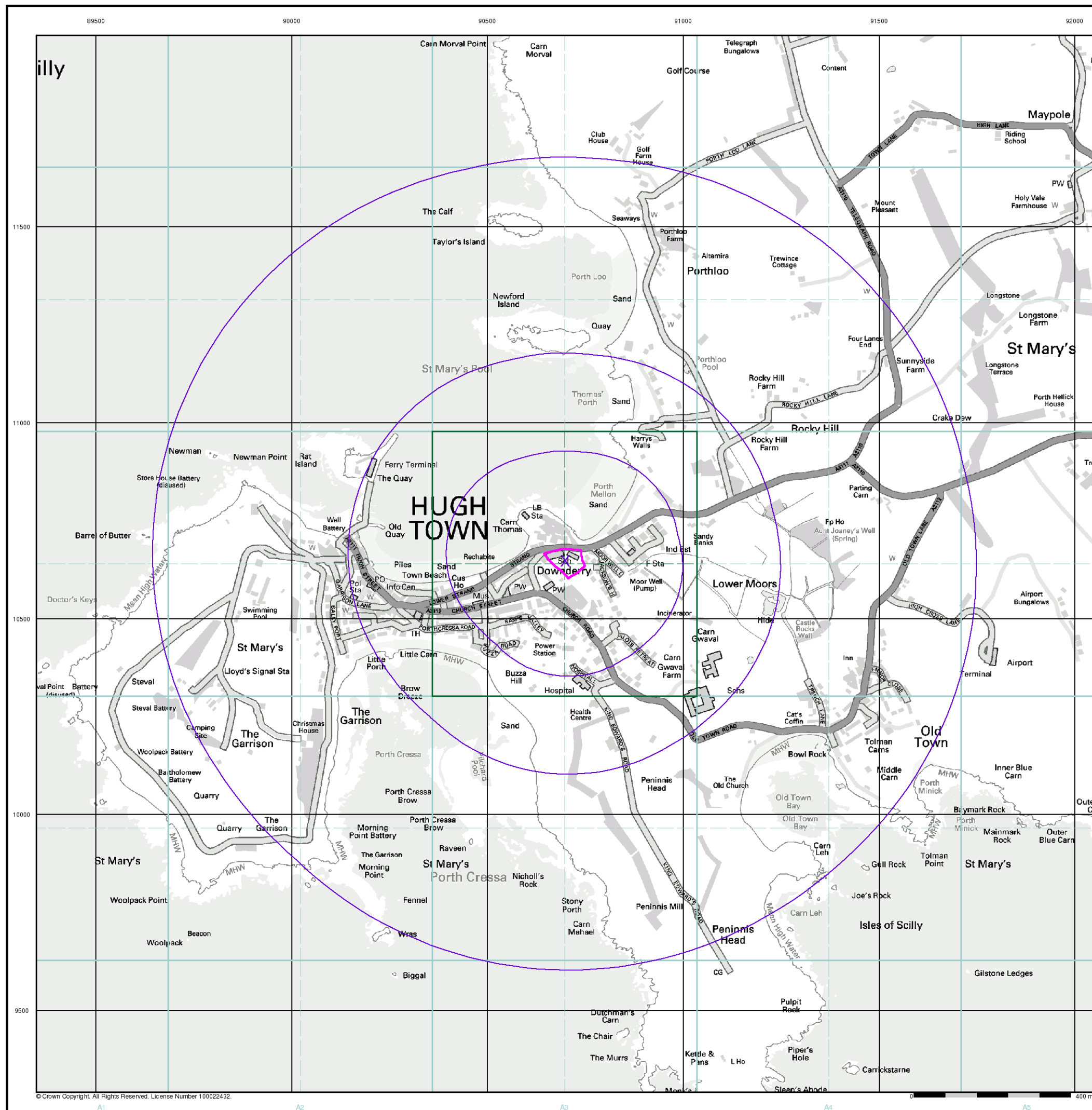


## Order Details

Order Details: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



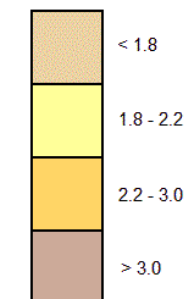


## General

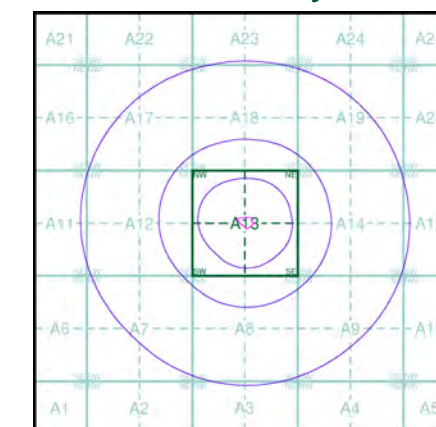
Specified Site Specified Buffer(s) Bearing Reference Point

## Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



## Estimated Soil Chemistry Cadmium - Slice A

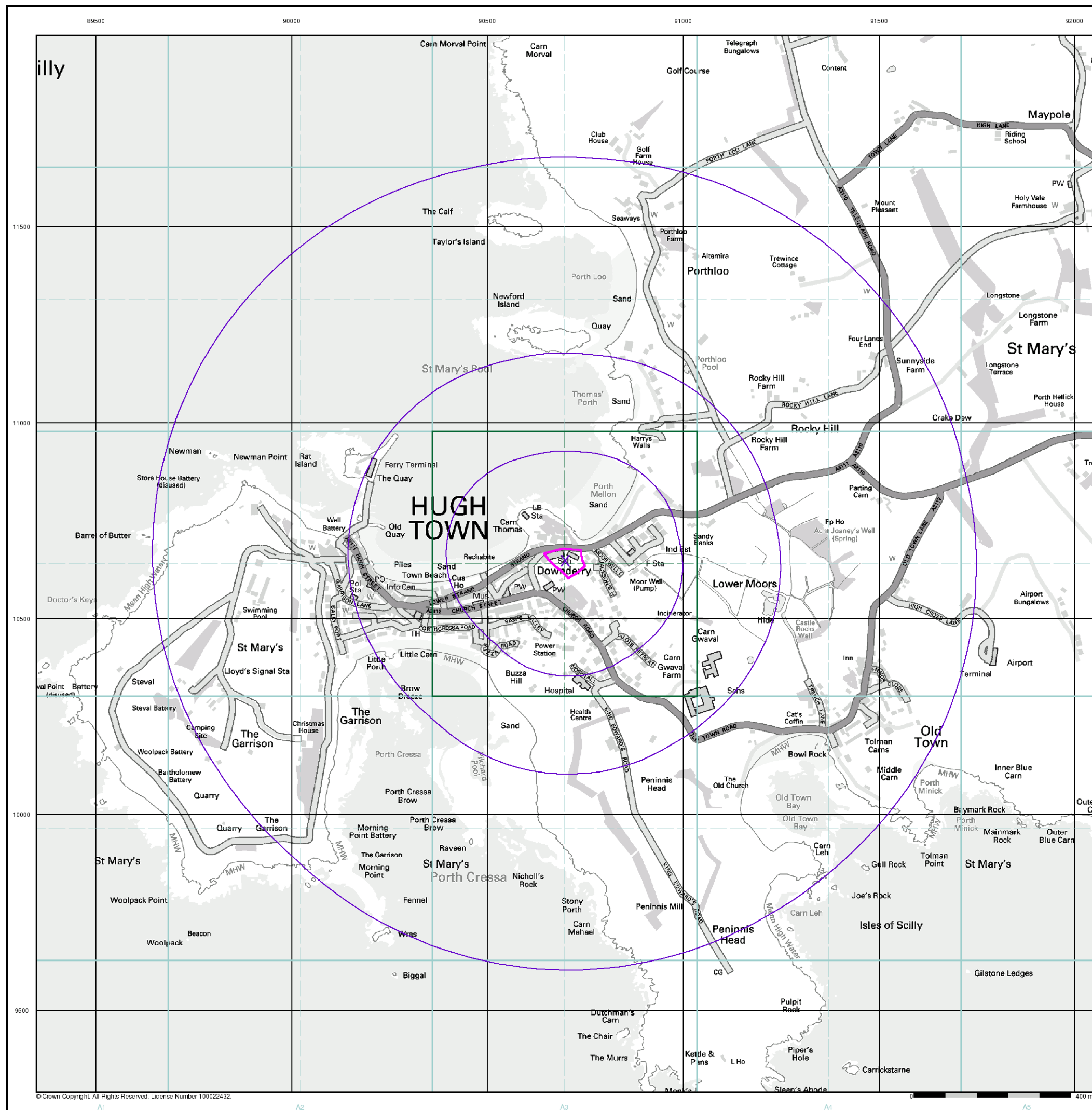


## Order Details

Order Details: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT

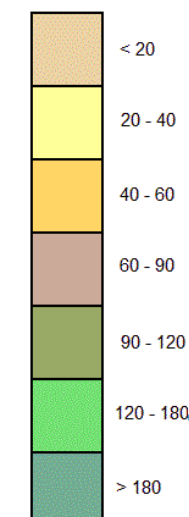


## General

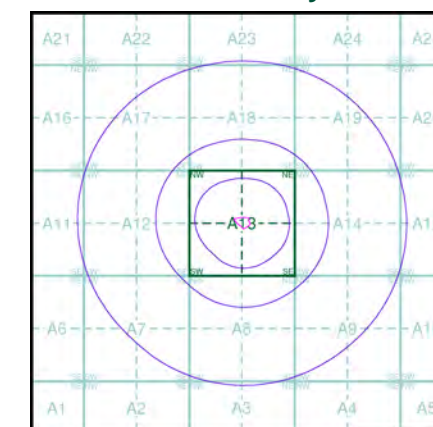
Specified Site Specified Buffer(s) Bearing Reference Point

## Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



## Estimated Soil Chemistry Chromium - Slice A

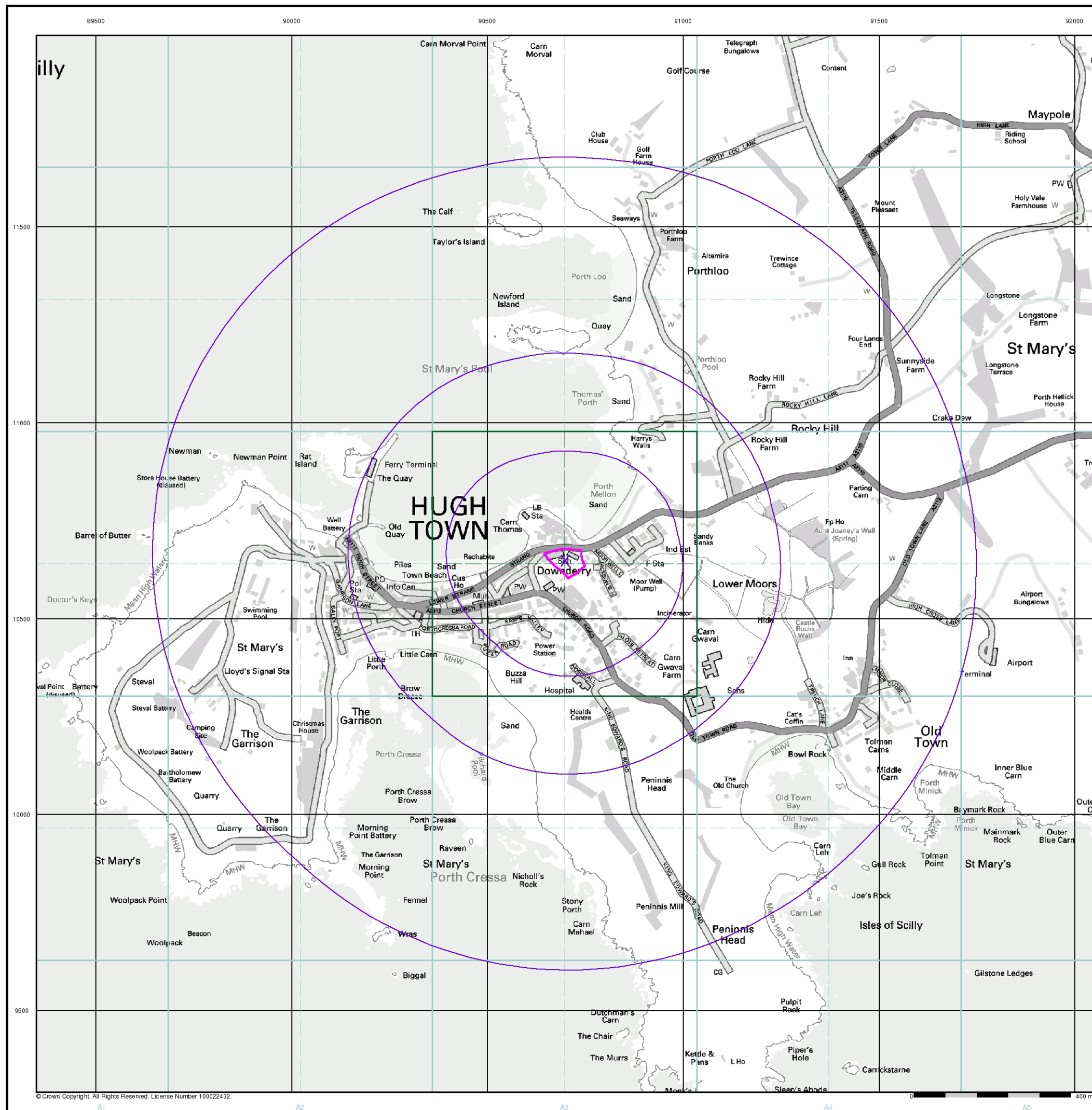


## Order Details

Order Details: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

## Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



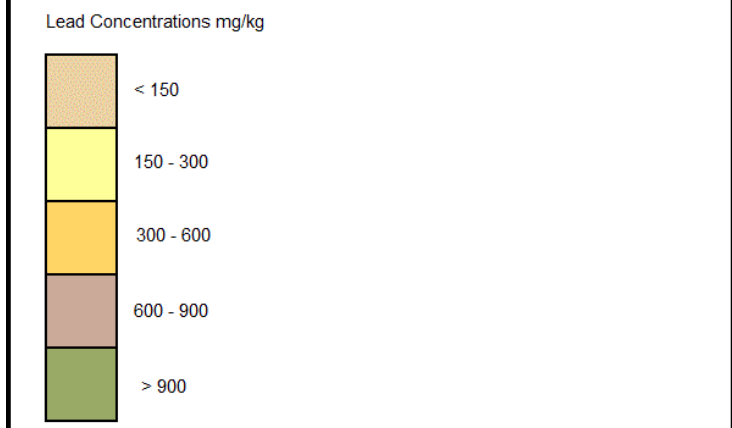




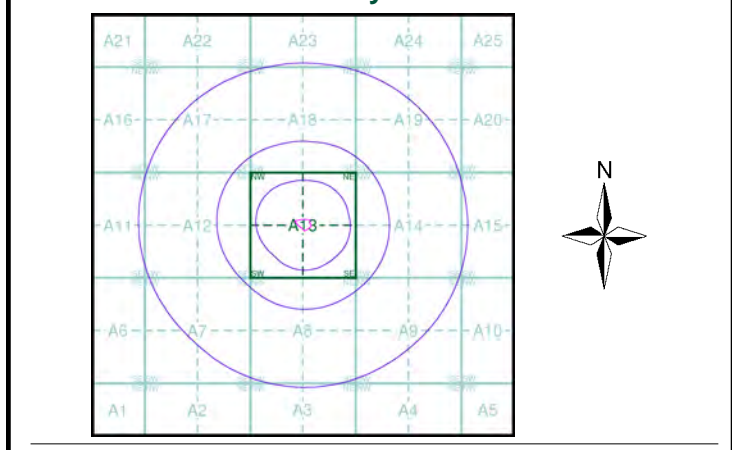
**General**

Specified Site Specified Buffer(s) Bearing Reference Point

**Estimated Soil Chemistry Lead**



**Estimated Soil Chemistry Lead - Slice A**



**Order Details**

Order Details: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

**Site Details**

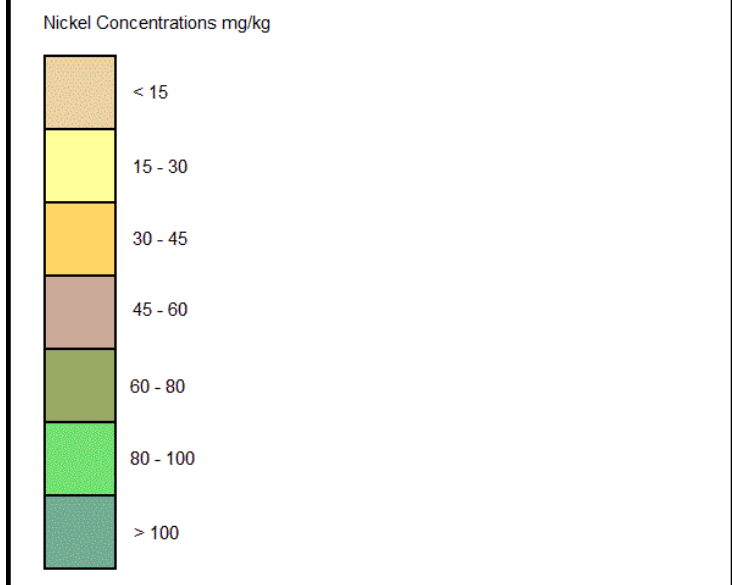
The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



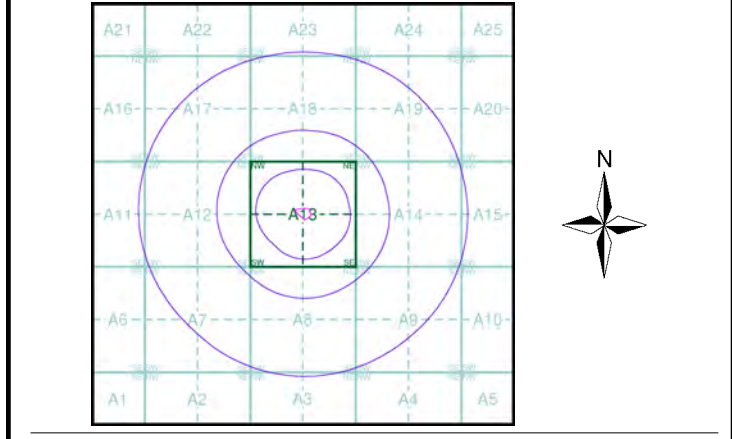
**General**

Specified Site Specified Buffer(s) Bearing Reference Point

**Estimated Soil Chemistry Nickel**



**Estimated Soil Chemistry Nickel - Slice A**



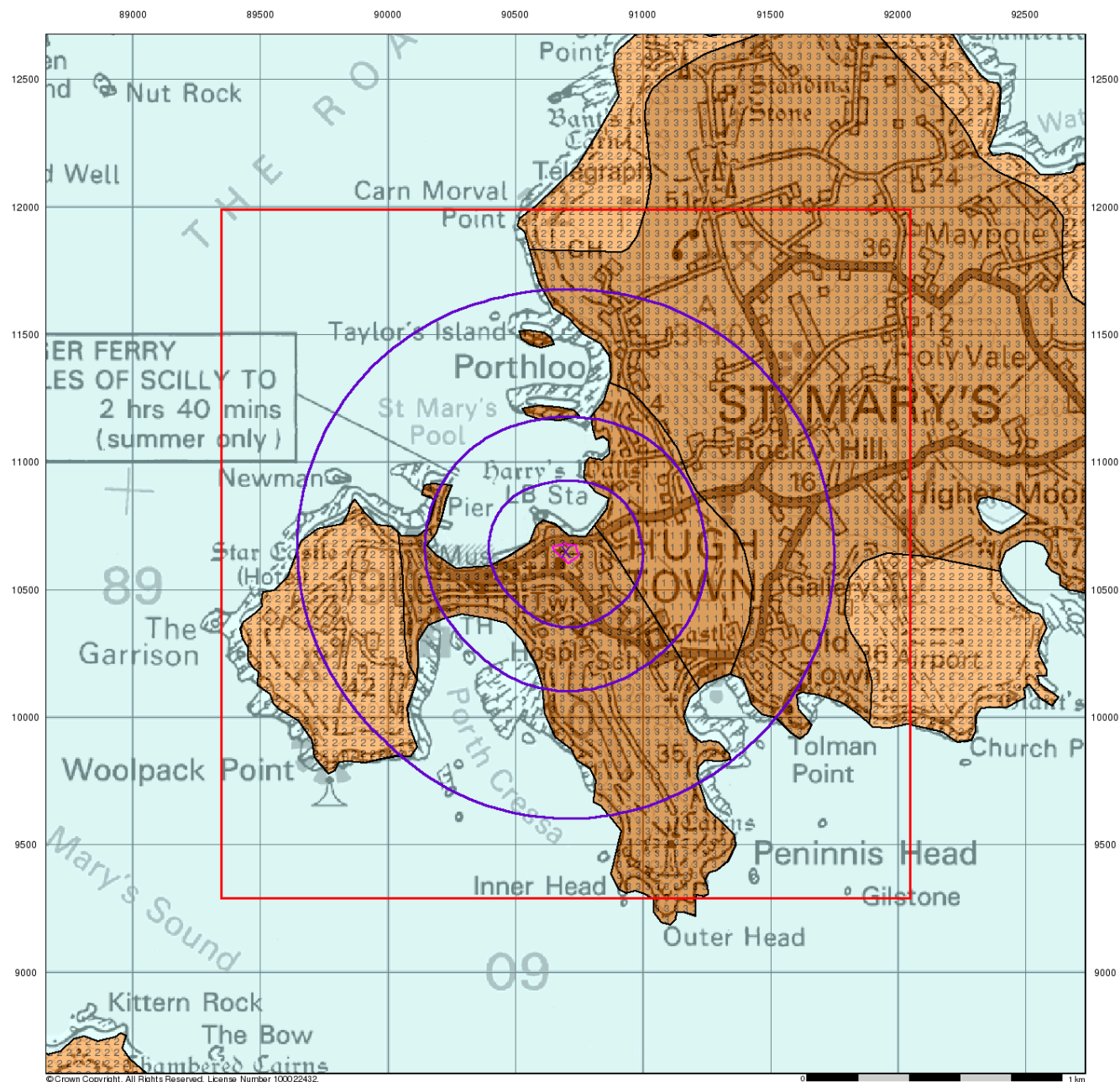
**Order Details**

Order Details: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Slice: A  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

**Site Details**

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT





## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Geological Classes

**Major Aquifer (Highly Permeable)**

**Minor Aquifer (Variably Permeable)**

**Non Aquifer (Negligibly Permeable)**

**Water or Sea**

**Drift Deposit**

#### Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

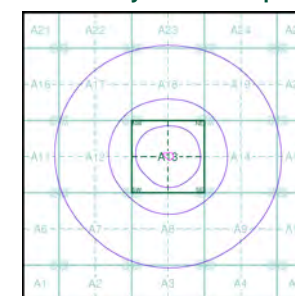
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



## Bedrock Aquifer Designation

### General

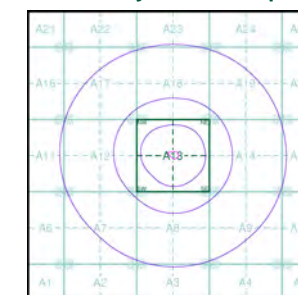
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice A



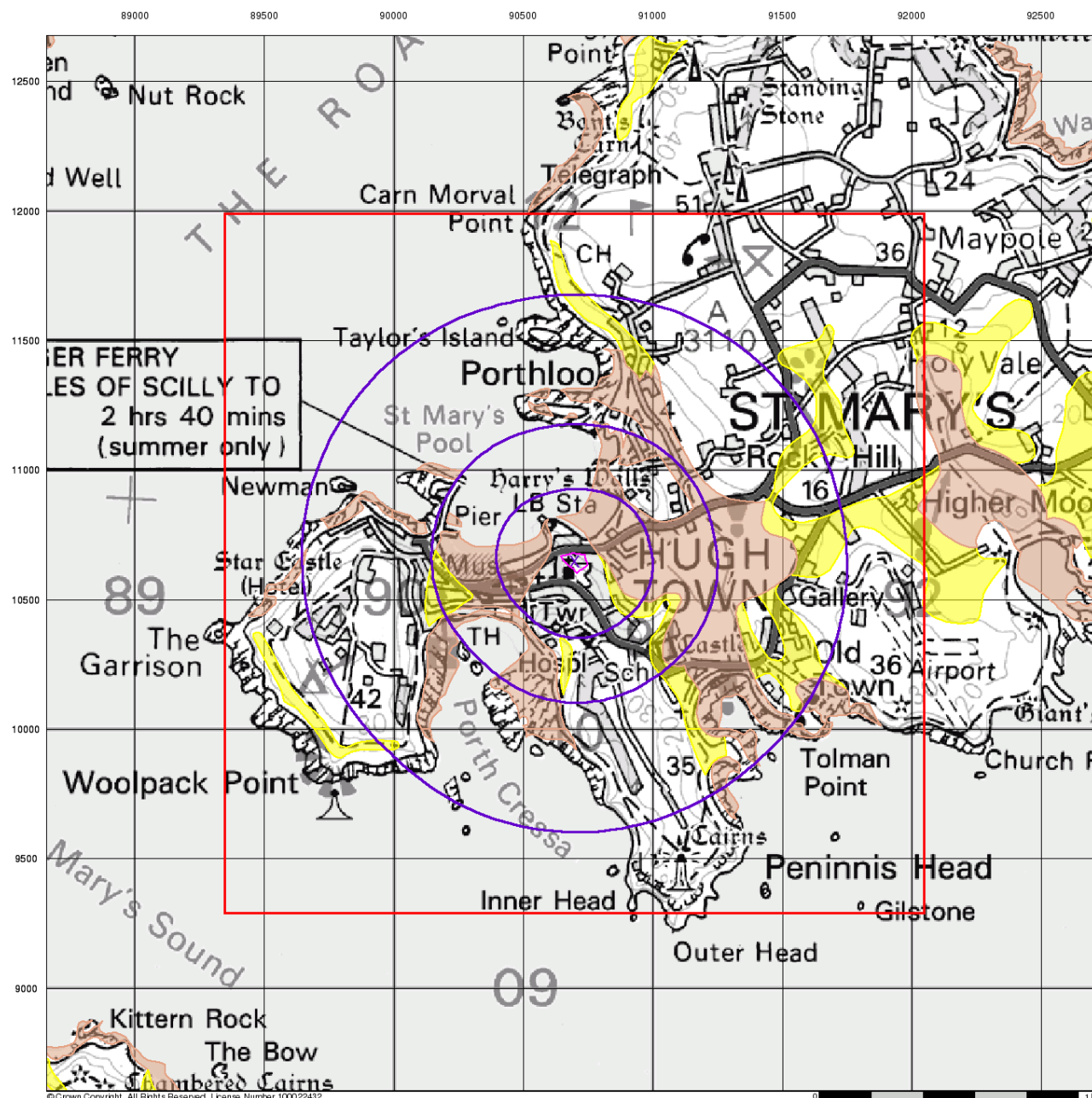
### Order Details

Order Number: 50973060\_1.1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT





© Crown Copyright. All Rights Reserved. License Number 100022432



## Superficial Aquifer Designation

### General

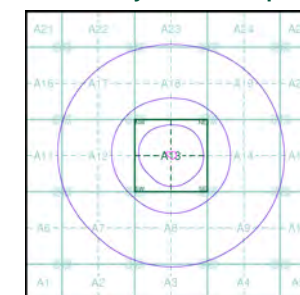
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

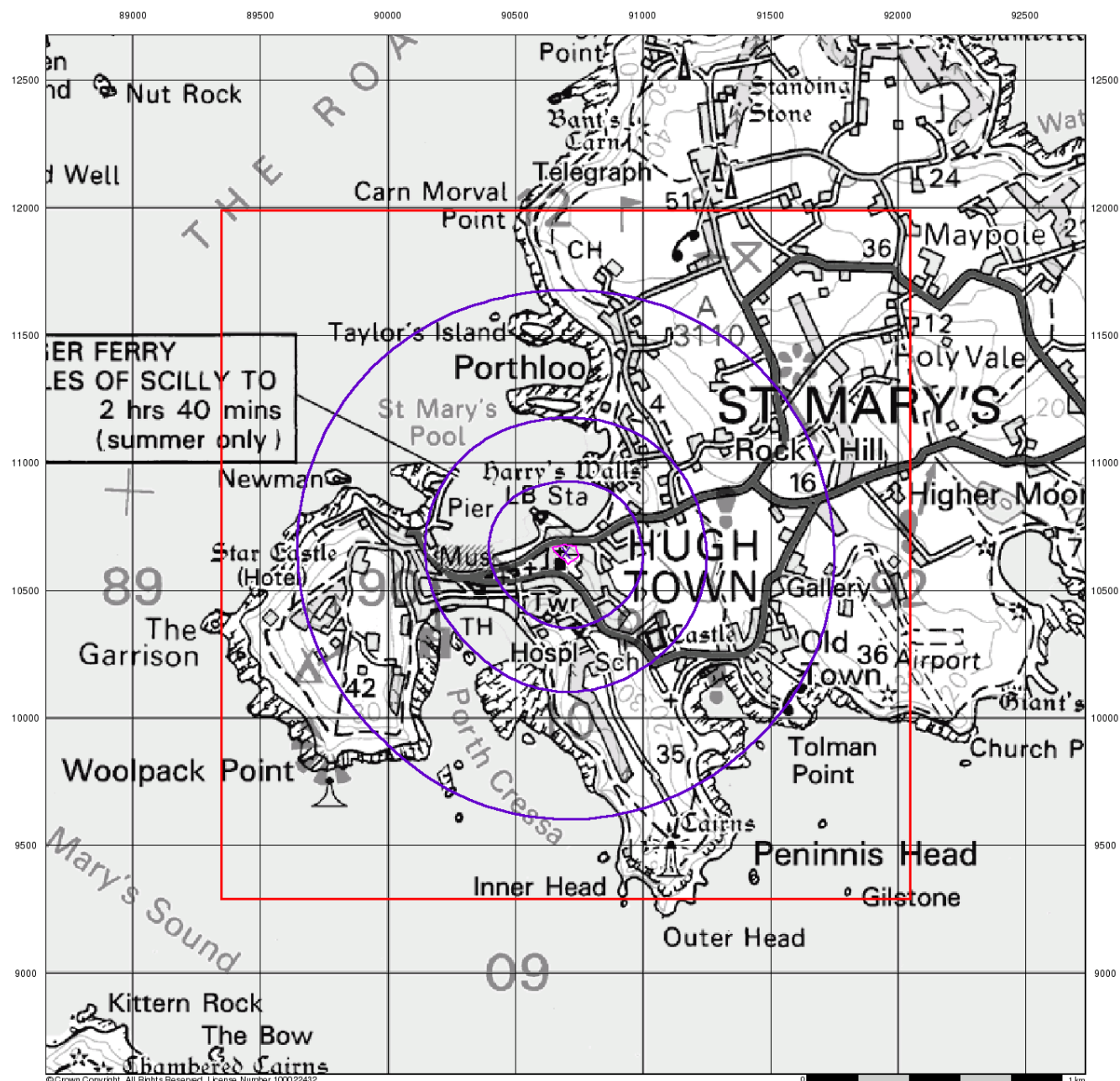
### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



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





© Crown Copyright. All Rights Reserved. License Number 100022432.



## Source Protection Zones

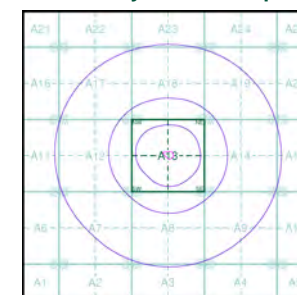
### General

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

### Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

## Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



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



© Crown Copyright. All Rights Reserved. License Number 100022432.



## Sensitive Land Uses

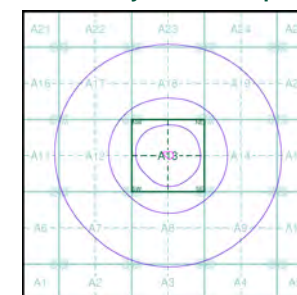
### General

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

### Sensitive Land Uses

- 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

### Site Sensitivity Context Map - Slice A



### Order Details

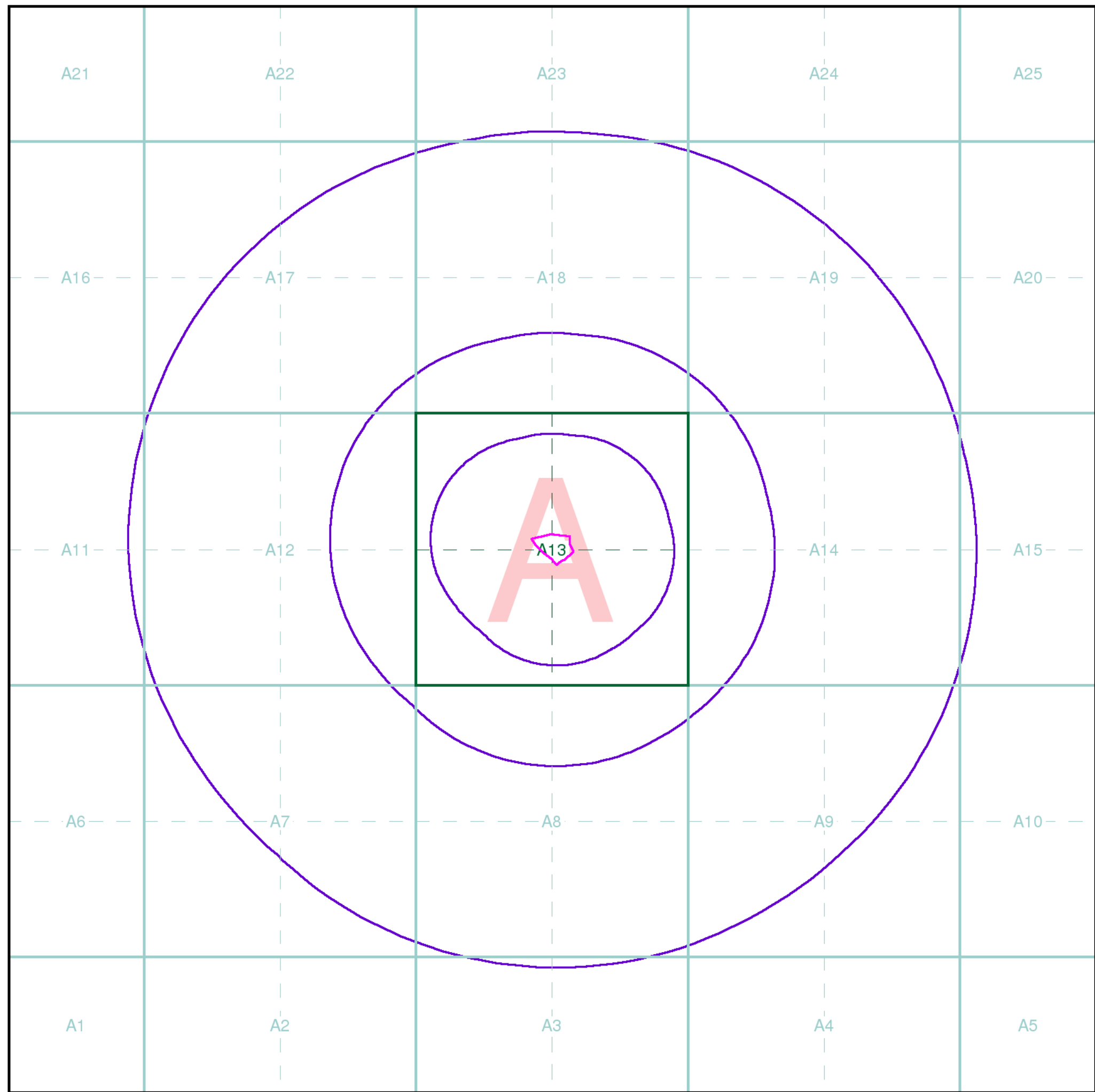
Order Number: 50973060\_1\_1  
 Customer Ref: C60141  
 National Grid Reference: 90700, 10650  
 Slice: A  
 Site Area (Ha): 0.48  
 Search Buffer (m): 1000

### Site Details

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY, TR21 0PT



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



**Index Map**

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

**Prepared For**

MBA Consulting  
Boscawen House  
Chapel Hill  
Truro  
TR1 3BBN

**Client Details**

Mr M Austin, Ian Farmer Associates, 1 Riverside House,  
Heron Way, Newham, Truro, Cornwall, TR1 2XN

**Order Details**

Order Number: 50973060\_1\_1  
Customer Ref: C60141  
National Grid Reference: 90700, 10650  
Site Area (Ha): 0.48  
Search Buffer (m): 1000

**Site Details**

The Five Islands School, Strand, St. Mary's, ISLES OF SCILLY,  
TR21 0PT

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



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



# WESTCOUNTRY MINES

## & PROPERTY SURVEYS

MINING SUBSIDENCE CONSULTANTS  
Grove Farm, East Hill, Blackwater, Truro, Cornwall TR4 8EG  
Tel & Fax: 01872 562837 E-mail: [info@westcountrymines.co.uk](mailto:info@westcountrymines.co.uk)

Your ref: 32418

Ian Farmer Associates  
Unit 1 Riverside House  
Heron Way  
Truro  
Cornwall

19<sup>th</sup> November 2013

Dear Sirs,

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

### REFERENCE

OLD FIVE ISLANDS SCHOOL, CARN THOMAS, ST.MARYS, ISLES OF SCILLY.  
**NATIONAL GRID REFERENCE SV 906106 REPORT REF: 51849**

### INTRODUCTION

The property lies within an historic area with only sporadic underground and surface activity. This report undertakes to advise on possible untoward past mining 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 workings but with the connection at surface for past mining features 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 rock is granite, overlain in the valley bottoms with shallow deposits of alluvium.

## **MINING HISTORY**

The Isles of Scilly lie outside and to the west of the St Just mining district and contain no major mineral deposits of economic importance. However, there are numerous small quarries within this district that have from ancient times been worked for building materials.

## **MINING APPRAISAL**

There is little information and no mine plans of the very early underground workings in the 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 is no recorded mining activity within the search area. Numerous disused quarries are scattered throughout the local area, the nearest is situated immediately to the west of the properties western boundary. While any deep underground workings would not be expected, and should not affect ground stability, the presence of unrecorded quarrying activity cannot be entirely ruled out. It is considered unlikely that future metalliferous mining operations would be carried out within this district.

The early editions of the Ordnance Survey plans (circa 1880 and 1907) show the site of the property to be undisturbed by signs of past mining activity. There is no known evidence of deep underground workings in the local area and the presence of early shallow workings would not be expected. 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 can also be 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 all available Abandoned Mine Plans for the Devon and 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 environmental 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.

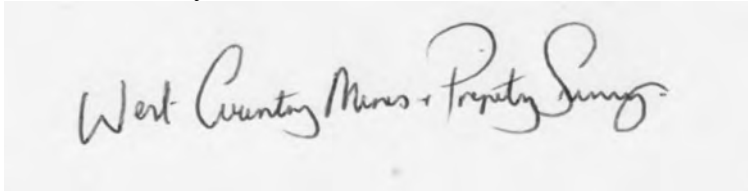


## CONCLUSIONS

It is indicated that the property is acceptably clear of known significant mining features and minor features would not be expected.

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,

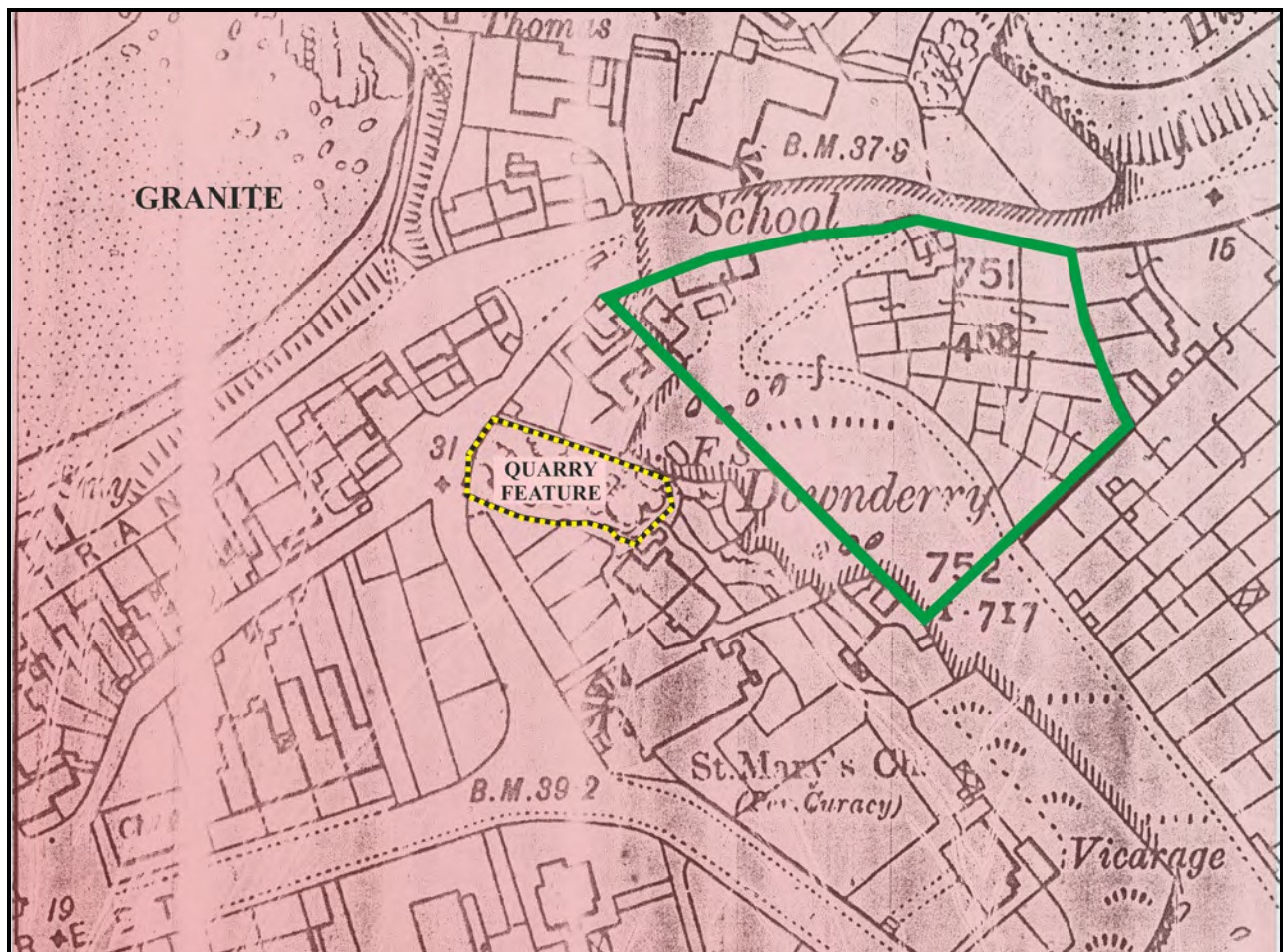
A handwritten signature in dark ink, reading "Westcountry Mines and Property Surveys". The signature is written in a cursive, flowing style.

Westcountry Mines and Property Surveys

## GLOSSARY

Adit: horizontal tunnel driven from low ground to drain or ventilate mine workings in higher ground  
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

**MINING SEARCH PLAN**  
**OLD FIVE ISLANDS SCHOOL, CARN THOMAS, ST MARY'S,  
ISLES OF SCILLY.**



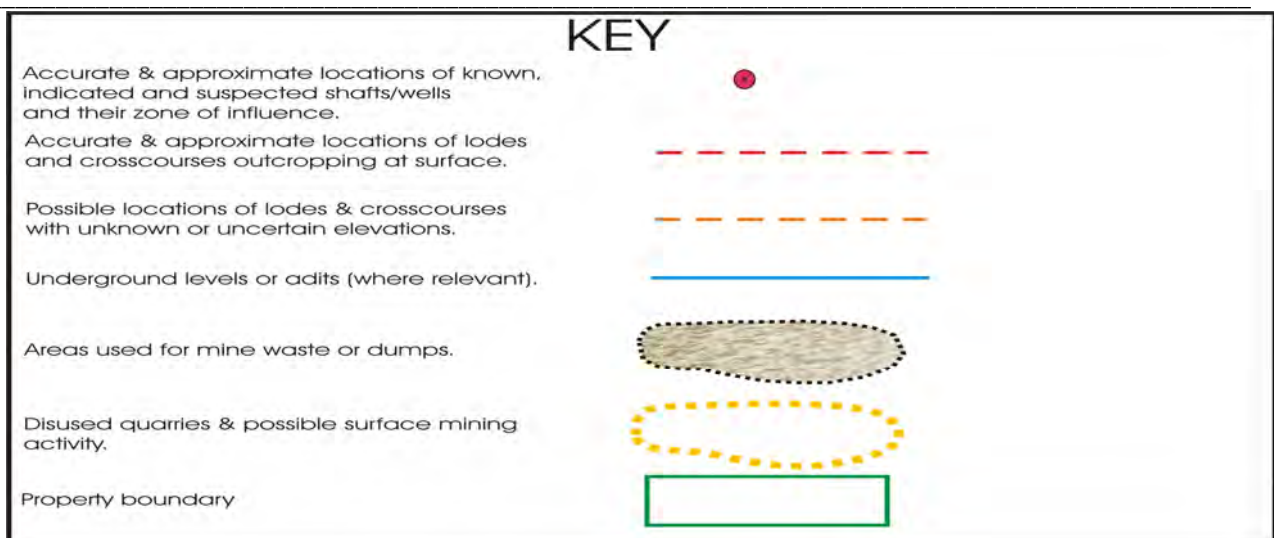
WESTCOUNTRY MINES & PROPERTY SURVEYS  
GROVE FARM, EAST HILL  
BLACKWATER, TRURO  
CORNWALL TR4 8EG  
Tel/Fax: 01872 562837

MINE SEARCH PLAN

DRAWN BY: RB/SW

Not to Scale  
Nat Grid Ref SV 906106  
E-mail: [info@westcountrymines.co.uk](mailto:info@westcountrymines.co.uk)

Plan Ref: 51849  
Date 19/11/2013



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 HER MAJESTY'S STATIONARY OFFICE. COPYRIGHT LICENCE No: AL815772.