



# Phase 1 Preliminary Risk Assessment

Dubbers

**07 October 2025**

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22779/PH1



## DOCUMENT CONTROL SHEET

<b>Client</b>	Clean Earth Energy
<b>Project Title</b>	Dubbers
<b>Document Title</b>	Phase 1 Preliminary Risk Assessment
<b>Document No.</b>	22779/PH1

<b>Date</b>	<b>Status</b>	<b>Revision</b>	<b>Prepared By</b>	<b>Approved By</b>
7 October 2025	Final	-	ID	WJC



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## **EXECUTIVE SUMMARY**

<b>Objectives</b>	
Wheal Jane Consultancy was commissioned by Clean Earth Energy to undertake an environmental risk assessment for a proposed development.	
<b>Site Setting</b>	
<b>Current Use</b>	The site is split into two sections. The northern section of the site is part of the China Clay Works, the southern section of the site is currently a grassed open space.
<b>Proposed Development</b>	It is proposed to develop the site with the construction of two wind turbines.
<b>History</b>	Historically, the site has been part of Dubbers China Clay Works and contained a quarry and clay pit
<b>Geology</b>	The geological map indicates that the site is underlain by the St Austell Intrusion of Carboniferous to Permian age formed between 359.3 and 251.9 million years ago
<b>Controlled Waters</b>	The site possesses a low risk from surface water flooding.
<b>Radon</b>	Development is within an area where greater than 5-10% of properties are above the action level for Radon.
<b>Conclusions</b>	
<ul style="list-style-type: none"><li>• 5-10% of properties are above the action level for Radon. However as the proposed development is two wind turbines and not an occupied building the risk is considered to be low.</li><li>• Naturally occurring levels of heavy metals are predicted to be within the generic acceptance criteria for commercial developments.</li><li>• Historically, the site has been part of Dubbers China Clay Works and contained a quarry and clay pit. As the proposed development is for a new wind turbine, it is not considered likely that a contamination pathway is present.</li><li>• In the absence of a significant source of contamination, it can be concluded that this site is suitable for its intended future use and that no further investigation will be required.</li></ul>	
<b>Recommendations</b>	
<ul style="list-style-type: none"><li>• It is recommended that a copy of this report be submitted to the Local Authority for checking, prior to commissioning any further work which may be required.</li><li>• In the event unexpected contamination is found during development, work should cease until the material can be identified and remediated appropriately.</li></ul>	



- All site workers should be equipped with the correct PPE and have undertaken suitable risk assessments, job safety and environmental analysis before work commences.
  - Waste material to be removed from site should be handled by a suitably licensed waste contractor.
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## **1 INTRODUCTION**

### **1.1 General**

- 1.1.1 Wheel Jane Consultancy was commissioned by Clean Earth Energy to undertake an environmental risk assessment at the site known as 'Dubbers.' Wheel Jane Consultancy was formally instructed to proceed via email on the 23<sup>rd</sup> September 2025.
- 1.1.2 This report has been prepared by Wheel Jane Consultancy solely for the benefit of the client. It shall not be relied upon or transferred to any third party without the prior written authorisation of Wheel Jane Consultancy.

### **1.2 Previous Reports**

- 1.2.1 No previous land contamination reports are known to have been commissioned for this site.

### **1.3 Scope and Objectives**

- 1.3.1 The Objective of this Desk Study is to examine past and present site conditions to identify any potential risk of contamination or ground instability resulting from historical and contemporary site usage. Any recommendations for further works have been made as deemed appropriate, based upon the findings of the investigation.
- 1.3.2 This assessment has been undertaken with guidance from BS10175:2011+A2:2017 and the UK government Land Contamination Risk Management (LCRM) framework published October 2020 (superseding Environment Agency report CLR11), and as such represents a Phase 1 Desk Study / Preliminary Risk Assessment.
- 1.3.3 This report does not constitute an asbestos inspection that may fall within the 'Control of Asbestos' regulations, 2006.
- 1.3.4 The conclusions and recommendations of this report are valid for a period of 12 months from the date of issue. Outside of this time frame the report will require reviewing by a suitably qualified geoenvironmental engineer / environmental scientist, to ensure that the report complies with any changes to industry standards, policies and/or guidelines.
- 1.3.5 It is recommended that a copy of this report be submitted to the local authority for checking, prior to commissioning any further work which may be required.

### **1.4 Information Sources**

- 1.4.1 This assessment has been based upon mapping and information obtained from a number of trusted third-party sources. Although we only use information from trusted sources, Wheel Jane Consultancy cannot accept any responsibility for any inaccuracy of third-party information. The sources used in this assessment are listed below:
  - Landmark Environmental Data dated 23<sup>rd</sup> September 2025.
  - Historic mapping dated 23<sup>rd</sup> September 2025.



- Zetica Unexploded Ordnance (UXO) risk map.
- BGS sheet 347, Bodmin

## 2 PHASE 1 PRELIMINARY RISK ASSESSMENT

### 2.1 Site Location and Layout

- 2.1.1 The site is located off Old Pound Road approximately 5.8km west of St Austell. The site is approximately centred on National Grid Reference 197510, 56230.
- 2.1.2 The site is roughly rectangular in shape and covers an area of 5.45 ha.
- 2.1.3 A site location plan (SLP) is contained in Figure 2.1, to the rear of the report.
- 2.1.4 The current site plan is contained in Figure 2.2, to the rear of the report.

### 2.2 Surrounding Area

Direction	Land Use
North	Industrial
East	Industrial
South	Industrial, Agricultural
West	Industrial, Residential, Agricultural

### 2.3 Site Walkover Survey

- 2.3.1 Wheel Jane Consultancy conducted a site walkover survey on 2<sup>nd</sup> October 2025. Photographs from the walkover survey are provided in Appendix A.
- 2.3.2 The site is currently split into two sections. The northern section of the site is part of the existing china clay works. This northern section has now finished being used and is undergoing restoration. The southern section of the site is separated from the northern section by a deer fence. This southern section is entirely grassed open space and contains no structures.
- 2.3.3 Topographically speaking, the site itself is flat. The general surrounding area slopes to the west.
- 2.3.4 Mature tree and shrub species bound the site to the south and east.

### 2.4 Proposed Development

- 2.4.1 It is proposed to develop the site with the construction of two new wind turbines. A Planning Application Number was not available at the time of writing this report.
- 2.4.2 The proposed site plan is contained in Figure 2.2, to the rear of the report.

## 2.5 Site History

- 2.5.1 Using a range of historical mapping sources, an overview of the findings relating to the site and its surroundings can be found below in Table 2.1. Where maps of similar dates are provided (e.g., maps with differing scales) showing similar information, they may be summarised together.

*Table 2.1: Summary of Historical Site Usage*

Source	On Site	Surroundings
Ordnance Survey, 1881, 1:2,500	The site is shown to contain the boundaries of several fields as well as a section of a quarry.	The site is surrounded by other mining and general quarrying, agricultural land and areas of rough pasture. An engine house lies approximately 103m to the west of the site. A smithy lies 175m to the west of the site. A chapel lies 450m to the south of the site.
Ordnance Survey, 1907, 1:2,500 and 1908, 1:10,560	A large clay pit has now been developed in the northern section of the site.	An additional Engine House is now present approximately 69m to the east of the site.
Ordnance Survey, 1963, 1:2,500 and 1963, 1:10,560	No significant changes.	No significant changes. The above mention engine houses and smithy are no longer present in the local area.
Ordnance Survey, 1971 - 1973, 1:2,500 and 1971 - 1973, 1:10,560	No significant changes.	Several tanks are now present approximately 205m to the west of the site.



Ordnance Survey, 1980, 1:2,500 and 1980, 1:10,560	No significant changes.	No significant changes.
Ordnance Survey, 1995, 1:2,500 and 1995, 1:10,560	No significant changes.	No significant changes.
Ordnance Survey 2025 1:2500 & 1:10,000	No significant changes.	No significant changes.
Aerial Photography 2025	The current site layout can be clearly seen.	No significant changes.

- 2.5.2 Since the late 19<sup>th</sup> century, the site has formed part of Dubber China Clay Works. E site has historically been surrounded by mining features such as quarries and engine houses. A smithy was present until the early 20<sup>th</sup> century.
- 2.5.3 In the early 21<sup>st</sup> century, the site is clear of any structures and part of some China clay mining waste land.

## 2.6 Geological Setting

Table 2.2: Overview of the geological setting

Geology
Reference has been made to the Published Geology (BGS sheet 347, Bodmin, 1:50,000), as well as the BGS online map viewer.



<b>Superficial Geology</b>	The geological map shows no superficial deposits to be present on site.
<b>Bedrock Geology</b>	<p>The geological map indicates that the site is underlain by the St Austell Intrusion of Carboniferous to Permian age formed between 359.3 and 251.9 million years ago.</p> <p>The BGS describes this unit as "Coarse granite with large megacrysts common and sparse;2. Medium granite with lithium mica;3. Fine granite with large megacrysts common and sparse."</p>
<b>Geology from BGS Borehole Records/Previous Site Investigation Records</b>	There is no evidence of BGS boreholes or previous intrusive ground investigations in the immediate surrounding area.
<b>Background Estimated Soil Chemistry</b>	<ul style="list-style-type: none"><li>- Arsenic: 15 - 25 mg/kg</li><li>- Cadmium: &lt;1.8 mg/kg</li><li>- Chromium: 40 - 60 mg/kg</li><li>- Lead: &lt;100 mg/kg</li><li>- Nickel: 15 - 30 mg/kg</li></ul> <p>The estimated values for naturally occurring metals in the soil on site do not exceed the guideline values for commercial or residential end uses.</p>
<b>Radon</b>	The property is in a Radon Affected Area, as 5 - 10% of properties are above the action level. However as the proposed development is a wind turbine and not an occupied building the risk is considered to be low.



## 2.7 Environmental Setting

2.7.1 The table below outlines the key environmental settings relating to the site.

Table 2.3: Overview of the environmental setting

Hydrology/Surface Water	
<b>Nearest Surface Water Feature</b>	The nearest surface water feature is identified 410m south-east of the site, understood to be a freshwater stream/river.
<b>OS Water Network</b>	There are no inland rivers or streams within 250m of the proposed development. There are no lakes, reservoirs or ponds present within 250m of the proposed development. There are no tidal rivers or streams within 250m of the proposed development.
<b>Surface Water Abstractions</b>	There is one active surface water abstraction licence within 1000m of the planned development: 848m NW.
<b>Monitoring</b>	There is no biological monitoring data within 500m of the site. No chemical monitoring data has been recorded within 500m of the site.
Hydrogeology/Groundwater	
<b>Superficial Aquifer</b>	A superficial aquifer is recorded on site, classified as a Secondary Aquifer – A.
<b>Bedrock Aquifer</b>	The St Austell Intrusion is classified as a Secondary A aquifer of High Vulnerability.
<b>Source Protection Zones</b>	There are no source protection zones within 1000m of the site.
<b>Groundwater Abstractions</b>	There are two groundwater abstraction licences recorded within 1000m of the site: 811m N, 932m E.
Sensitive Land Uses	
<b>Environmental</b>	There are no Ancient Woodlands, Areas of Adopted Green Belt, Areas of Unadopted Green Belt, Areas of Outstanding Natural Beauty, Environmentally Sensitive Areas, Forest Parks, Local Nature Reserves, Marine Nature Reserves, National Nature Reserves, National Parks, Nitrate Sensitive Areas, Ramsar Sites, Sites of Special Scientific Interest, Special Areas of Conservation, Special Protection Areas or World Heritage Sites within 2000m of the site. The proposed development is within an existing Nitrate Vulnerable Zone (NVZ).
<b>Heritage/ Archaeological</b>	The site is within the Cornwall and West Devon Mining World Heritage Site.



	There appears to be no archaeologically significant features in or around the immediate surroundings of the site.
<b>Other Environmental Information</b>	
<b>Contaminated Land</b>	No sites determined as Contaminated Land under Part 2A EPA 1990 are situated within 500m of the site.
	There are no Environment Agency landfill sites within 1000m.
	There are no Environment Agency historic landfill site within 1000m.
	There are no areas of potentially infilled land (non – water) within 500m of the site.
<b>Waste</b>	There is one Licensed Waste Management/Transfer Facilities within 500m: 186m W - Imerys Minerals Ltd - Management of inert or extractive waste at mine
	There is one active discharge consent licences granted within 500m of the site: 475m SW – Sewage discharge – single domestic property – Land/Soakaway
	There are no Red List Discharge Consent licences within 500m of the site.
<b>Hazardous Substances</b>	There is one Hazardous substances (COMAH, NIHHS sites, etc.) recorded within 2000m of the site: 616m S – Exchem Explosives
<b>Pollution Incidents</b>	There have been no recorded pollution incidents within 500m of the proposed development.
	The site possesses a very low risk of surface water flooding.
<b>Flooding</b>	The site is not within 250m of a Zone 2 or Zone 3 Floodplain area.
	There are no groundwater flooding susceptibility areas within 50m of the proposed development.
	There is one contemporary trade directory entries within 500m of the site: 476m S – Blast Cleaning – Inactive
<b>Current Industrial Land Uses</b>	There are no Points of Interest (Commercial Services) within 500m of the site.
	There are five Points of Interest (Manufacturing and Production) within 500m of the site: <ul style="list-style-type: none"> <li>180m W, 236m SW, 440m N, 461m N, 455m SE – Sand, Gravel and Clay Extraction and Merchants</li> </ul>



	<p>There are five Points of Interest (Public Infrastructure) within 500m of the site:</p> <ul style="list-style-type: none"><li>• 55m N, 310m E, 433m S, 442m S, 439m E – Refuse Disposal Facility</li></ul>
<b>Historic Industrial Land Uses</b>	<p>There are no historic potentially contaminative activities identified by contemporary trade directory entries within 500m of the proposed development.</p>
<b>Unexploded Ordnance (UXO)</b>	<p>The risk to the site and its surroundings from the presence of UXO is low (see Appendix D).</p>
<b>Archival Metalliferous Mining Search</b>	<p>A documentary mine search has not been compiled for this property.</p>
<b>Adjacent Planning Applications</b>	<p>A search of Cornwall Council's online planning register confirms that there are no adjacent planning applications that are directly relevant to this report.</p>

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### 3 PRELIMINARY CONCEPTUAL MODEL

#### 3.1 Introduction

- 3.1.1 The Assessment of risk is based upon the principal of the pollutant linkage, which is described in more detail below. This assessment seeks to identify plausible pollutant linkages associated with the proposed development. Once this has been done, the resultant risk is determined based on the probability and the possible consequence of the pollutant linkages being present. As such, this qualitative risk assessment has been undertaken in accordance guidance published in Annex 4 of the National House Building Council/Environment Agency/Chartered Institute of Environmental Health R&D publication 66, Guidance for the Safe Development of Housing on Land Affected by Contamination (NHBC/EA/CIEH, 2008) which updates and supersedes CIRIA C552: Contaminated Land Risk Assessment, A Guide to Good Practice (Rudland et al., 2001).
- 3.1.2 A summary of the R&D66 risk classification matrix is presented below;

Table 3.1: Risk Classification Matrix

Risk Classification Matrix					
Taken from CIRIA C552		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High	High	Moderate	Moderate / Low
	Likely	High	Moderate	Moderate / Low	Low
	Low Likelihood	Moderate	Moderate / Low	Low	Very Low
	Unlikely	Moderate / Low	Low	Very Low	Very Low

#### 3.2 Preliminary Conceptual Site Model

- 3.2.1 This conceptual site model has been undertaken with due regard to guidance provided in BS10175:2011+A2:2017 and the LCRM framework. The assessment of risk from land contamination also pays due regard to the definition of contaminated land, as defined within Part 2A of the Environment Protection Act 1990. This legislation defines contaminated land as any land that is in such a condition that by reason of substances in, on or under the land:
- Significant harm is being caused or there is a significant possibility of such harm being caused; or

- Pollution of controlled water is being, or is likely to be, caused.

3.2.2 This definition is based on the principles of risk assessment defined as a combination of the probability (or frequency) of occurrence of a defined hazard and the magnitude (including the seriousness) of the consequences. Central to the risk assessment process is the concept of contaminant linkage, which is a linkage between a contaminant and a receptor by means of a pathway.

Table 3.2. Summary of statutory definitions relating to pollution linkage.

Statutory definitions relating to contaminant linkage.	
Contaminant	"a substance which is in, on or under the land and which has the potential to cause harm or to cause pollution of controlled waters."
Receptor	<p>"a living organism, a group of living organisms, and ecological system or a piece of property" which meets given criteria.</p> <p>"controlled waters which are, or could be, polluted by a contaminant".</p>
Pathway	<p>"one or more routes or means by, or through, which a receptor:</p> <ul style="list-style-type: none"> <li>• is being exposed to, or affected by, a contaminant, or</li> <li>• could be so exposed or affected".</li> </ul>

3.2.3 Without the presence of all three components, there is no linkage and therefore no risk. The relationship between these components is discussed below in order to identify the existence of any source-pathway-receptor linkage on the site, and hence the potential risks associated with any contamination.

Table 3.3: Identified Sources, Pathways and Receptors

Source – Pathway – Receptor Overview	
Contaminant sources	Natural geology
	Historic Mining Activity
Pathways	Inhalation of dust and vapours
	Dermal contact
	Ingestion
	Ingress into buildings
	Ground and surface waters
Receptors	Future site users

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*Site workers*

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*Flora & Fauna*

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- 3.2.4 From this table, the Conceptual Site Model can be derived. It outlines the critical pollutant linkages of concern for a particular land contamination problem. The development of the CSM is a primary planning tool that is used to organise information about the site and support the decision-making process in managing potentially contaminated sites. The matrix below makes up the initial CSM based on the data and information collated during the desk study and site walkover.



### 3.3 Preliminary Conceptual Site Model Matrix

Table 3.4: Preliminary Conceptual Model Matrix

Preliminary Conceptual Model							
Source(s)	Contaminant(s)	Pathway(s)	Receptor(s)	Probability	Consequence	Risk Assessment	
On Site	Natural Geology	Radon gas	Ingress into proposed buildings	Future site users	High Likelihood	Medium	Low Risk 5-10 % of properties are above the action level. However as the proposed development is two wind turbines and not an occupied building the risk is considered to be low.
		Arsenic	Dermal contact Soil and dust ingestion and inhalation	Future site users Site workers Site flora and fauna	Unlikely	Medium	<b>Low Risk</b> – Naturally occurring levels of heavy metals are predicted to be within the generic acceptance criteria for commercial developments.
	Historic Metalliferous Mining Activities	Metals Total Petroleum Hydrocarbons (TPH) Polycyclic Aromatic Hydrocarbons (PAH) Sulphates	Dermal contact Soil and dust ingestion and inhalation Ground & surface waters	Future site users Site workers Site flora and fauna	Likely	Medium	<b>Moderate Risk</b> – Historically, the site has been part of Dubbers China Clay Works and contained a quarry and clay pit. As the proposed development is for a new wind turbine, it is not considered likely that a contamination pathway is present.



Off Site	Contemporary Trade Directory Entries & Points Of Interest	Metals Total Petroleum Hydrocarbons (TPH) Polycyclic Aromatic Hydrocarbons (PAH) Sulphates	Dermal contact Soil and dust ingestion and inhalation Ground & surface waters	Future site users Site workers Site flora and fauna	Unlikely	Medium	<b>Low Risk</b> – A number of contemporary trade directory entries & points of interest are recorded within 500m of the site. The nearest of these are include blast cleaning, sand, gravel and clay extraction and merchants and a refuse disposal facility. energy production, tanks, aggregate extraction and vehicle servicing. Due to the local topography, distance from the site and proposed site end use, contamination pathways are considered unlikely.
	Discharge Consent Licence	Leachates Pathogens	Dermal contact Soil and dust ingestion and inhalation Ground & surface waters	Future site users Site workers Site flora and fauna	Unlikely	Medium	<b>Low Risk</b> – An active discharge consent licence for the discharge of Sewage via a Soakaway is recorded 475m to the southwest of the site. Due to the local topography and distance from the site, contamination pathways are considered unlikely.



## 4 GEOTECHNICAL RISK ASSESSMENT

### 4.1 Introduction

- 4.1.1 This risk assessment has been undertaken with due regard to the advice relating to ground instability as provided in the Department of the Environment (Welsh Offices) Planning Policy Guidance (no. 14) for "Development on Unstable Land". The guidance discusses the causes of Unstable Land and defines them as falling into one of three categories:
- i. The effects of underground cavities; these may be of natural origin or due to mining or to civil engineering works.
  - ii. Unstable slopes; these may be natural, in both coastal and inland situations; or man-made, whether excavated, as in quarries or cuttings, or constructed, as in tips and embankments.
  - iii. Ground compression; this may be of natural origin due to peat, alluvial, estuarine or marine soils; or due to human activities, e.g. made ground, landfill or restored opencast mines; and ground subject to movement due to shrinking and swelling clays.
- 4.1.2 While in all cases instability may arise whether or not there is any development on the surface, it is important to recognise that the development itself or the intensification of development may be the triggering factor, which initiates instability problems.
- 4.1.3 The risks posed by each type of unstable ground are discussed based upon the proposed redevelopment of the site for dwellings. Table 5 below outlines the key findings.

*Table 4.1: Overview of the risks posed by unstable ground*

<b>Underground Cavities</b>
There are no man-made mining cavities recorded within 500m of the site.
There are no Natural Cavities recorded within 500m of the site.
<b>Unstable Slopes</b>
The site is gently sloping; the risk from unstable slopes is low.
<b>British Geological Survey Data</b>



Information relating to potential ground instability issues at this site has been collected from the BGS digital and hard-copy mapping. Below is the summarised information.

<b>Natural Hazard Findings</b>	
<b>Hazard</b>	<b>Risk Classification</b>
Shrink – Swell Clays	<b>Negligible</b> - Ground conditions predominantly non-plastic. No actions required to avoid problems due to shrink–swell clays. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with shrink–swell clays.
Landslides	<b>Negligible</b> - No indicators for slope instability identified. No actions required to avoid problems due to landslides. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with landslides.
Soluble Rocks	<b>Negligible</b> - Soluble rocks are either not thought to be present, or are not prone to dissolution. Dissolution features are unlikely to be present. No actions required to avoid problems due to soluble rocks. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with soluble rocks.
Compressible Deposits	<b>Negligible</b> - No indicators for compressible deposits identified. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.
Collapsible Deposits	<b>Very Low</b> - Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.
Running Sand	<b>Negligible</b> - No indicators for running sand identified. No actions required to avoid problems due to running sand. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with running sand.



## **4.2 Groundwater**

- 4.2.1 It is unlikely that groundwater will be shallow in this area. It is anticipated that groundwater will flow to the south.

## **5 CONCLUSIONS AND RECOMMENDATIONS**

### **5.1 Anticipated Ground Conditions**

- 5.1.1 The anticipated ground conditions are based on the geological information available at the time of writing this report, as well as an evaluation of existing structures on site and their potential associated Made Ground.
- 5.1.2 It is anticipated that the site is underlain by up to 0.50m of TOPSOIL.
- 5.1.3 It is also considered likely that material described as MADE GROUND will be present around and beneath the existing structures. This material may be granular or cohesive and will likely contain anthropogenic components of brick and concrete.
- 5.1.4 Any TOPSOIL, Hardstanding and/or MADE GROUND will be underlain by strata belonging to the St Austell Intrusion.

### **5.2 Geotechnical Considerations**

- 5.2.1 Any Made Ground encountered on site will not suffice as a suitable bearing, therefore shallow foundations should be placed in the underlying natural material.
- 5.2.2 Conventional strip foundations may be viable at this site; however a site investigation will be required to confirm this. It would also be considered prudent to carry out soakaway testing in accordance with BRE 365 to assess the site's suitability for conventional drainage.

### **5.3 Conclusions**

- 5.3.1 Development is within an area where greater than 5-10% of properties are above the action level for Radon. However as the proposed development is two wind turbines and not an occupied building the risk is considered to be low.
- 5.3.2 Naturally occurring levels of heavy metals are predicted to be within the generic acceptance criteria for commercial developments.
- 5.3.3 Historically, the site has been part of Dubbers China Clay Works and contained a quarry and clay pit. As the proposed development is for a new wind turbine, it is not considered likely that a contamination pathway is present.
- 5.3.4 In the absence of a significant source of contamination, it can be concluded that this site is suitable for its intended future use and that no further investigation will be required.

### **5.4 Recommendations**

- 5.4.1 It is recommended that a copy of this report be submitted to the Local Authority for checking, prior to commissioning any further work which may be required.



- 5.4.2 In the event unexpected contamination is found during development, work should cease until the material can be identified and remediated appropriately.
- 5.4.3 All site workers should be equipped with the correct PPE and have undertaken suitable risk assessments, job safety and environmental analysis before work commences.
- 5.4.4 Waste material to be removed from site should be handled by a suitably licensed waste contractor.

## 6 REFERENCES

- 6.1.1 BSI (2011) BS 10175:2011 +A2:2017 Investigation of Potentially Contaminated Sites – Code of Practice. London, British Standards Institution
- 6.1.2 Building Research Establishment (BRE) (2007) BR211 - Radon: Guidance on Protective Measures for New Buildings. Watford, BRE
- 6.1.3 CIRIA (2001) CIRIA C552 - Contaminated land risk assessment: A guide to good practice. London, CIRIA
- 6.1.4 CIRIA (2007) CIRIA C665 – Assessing Risks Posed by Hazardous Ground Gases to Buildings. London, CIRIA
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- 6.1.9 Great Britain. *Environmental Protection Act (1990)*. London, The Stationery Office
- 6.1.10 Great Britain. Environmental Damage (Prevention and Remediation) Regulations (2009). London, The Stationery Office
- 6.1.11 Great Britain. *Water Act (2003)*. London, The Stationery Office
- 6.1.12 Great Britain. The Water Framework Directive (Standards and Classification) Directions (England and Wales) (2015). London, The Stationery Office
- 6.1.13 Land Quality Press (2015) *The LQM/CIEH Suitable 4 Use Levels for Human Health Risk Assessment* (2nd Edition). Nottingham, Land Quality Press
- 6.1.14 Ministry of Housing, Communities and Local Government. (2024). National Planning Policy Framework
- 6.1.15 National House Building Council (NHBC), Environment Agency and Chartered Institute of Environmental Health (CIEH) (2008) *Research & Development Publication 66: Guidance for the Safe Development of Housing on Land Affected by Contamination*. Amersham, NHBC
- 6.1.16 Royal Institution of Chartered Surveyors (RICS) (2012) *Japanese Knotweed and Residential Property*. Coventry, RICS



## 7 NOTES

- *This report is concerned solely with the property, as defined by this report, or parts thereof examined.*
- *The report should not be used in connection with adjacent properties.*
- *The information in the Landmark Envirocheck reports, which have been used in compiling this Phase 1 Desk Study report, is derived from a number of statutory and non-statutory sources. While every effort is made by the supplier to ensure accuracy, the supplier cannot guarantee the accuracy or completeness of such information or data, nor to identify all the factors that may be relevant.*
- *The conclusions and recommendations relate to the type and extent of development outlined in this report for this specific property only and should not be taken as suitable for any other form or extent of development on this property without further consultation with Wheal Jane Consultancy.*
- *This report is confidential to the client, the client's legal and professional advisors, and may not be reproduced or distributed without our permission other than to directly facilitate the sale or development of the property concerned.*
- *We have no liability toward any person not party to commissioning this report.*
- *Unless otherwise expressly stated, nothing in this report shall create or confer any rights or other benefits pursuant to the Contracts (Rights of Third Parties) Act 1999 in favour of any person other than the person commissioning this report.*
- *This report is not an asbestos inspection that may fall within the control of Control of Asbestos Regulations 2006.*



---

## FIGURES:





Title: **Site Location Plan**

Project: **Dubbers**

Client: **Clean Earth Energy**

Report Title: **Phase 1 Risk Assessment**

Date: **24/09/2025**

Ref: **22779**

Figure: **2.1**





Legend:



Title:

**Proposed Site Layout**

Project:

**Dubbers  
22779**

Client:

**Clean Earth Energy**

Date:	24/09/2025
Scale:	NTS
Drawn by:	-
Revision:	A
Figure:	2.2





## **APPENDICES:**

- A. *Site Photographs*
- B. *Environmental Data*
- C. *Historical Maps*
- D. *UXO Risk Map*




---


## **APPENDIX A**

### **Site Photographs**




Title:	Walkover Survey Photographs		
Project:	Dubbers		
Client:	Clean Earth Energy		
Report Title:	Phase 1 Preliminary Risk Assessment		
Date:	02.10.2025	Ref: 22779	
			Appendix: A




Title:	Walkover Survey Photographs		
Project:	Dubbers		
Client:	Clean Earth Energy		
Report Title:	Phase 1 Preliminary Risk Assessment		
Date:	02.10.2025	Ref: 22779	
			Appendix: A






Title:	Walkover Survey Photographs		
Project:	Dubbers		
Client:	Clean Earth Energy		
Report Title:	Phase 1 Preliminary Risk Assessment		
Date:	02.10.2025	Ref: 22779	
			Appendix: A



Title:	Walkover Survey Photographs		
Project:	Dubbers		
Client:	Clean Earth Energy		
Report Title:	Phase 1 Preliminary Risk Assessment		
Date:	02.10.2025	Ref: 22779	
			Appendix: A





Title:	Walkover Survey Photographs		
Project:	Dubbers		
Client:	Clean Earth Energy		
Report Title:	Phase 1 Preliminary Risk Assessment		
Date:	02.10.2025	Ref: 22779	
			Appendix: A



---

## **APPENDIX B**

### **Environmental Data**

# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

386322711\_1\_1

**Customer Reference:**

22779

**National Grid Reference:**

197510, 56230

**Slice:**

A

**Site Area (Ha):**

5.45

**Search Buffer (m):**

1000

### Site Details:

Dubbers

ST. AUSTELL

### Client Details:

Ms B Halliday

Wheal Jane Consultancy

Old Mine

Wheal Jane Mine

Baldhu

Truro

Cornwall

TR3 6EE

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	38
Hazardous Substances	39
Geological	40
Industrial Land Use	45
Sensitive Land Use	49
Data Currency	50
Data Suppliers	56
Useful Contacts	57

## Introduction

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

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## Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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## Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1			Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	1
Prosecutions	pg 1			1	
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1			Yes	
Pollution Incidents to Controlled Waters	pg 1				14
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register	pg 4				3
Water Abstractions	pg 4		3	7	7 (*64)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 24	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 24	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
OS Water Network Lines	pg 25			5	106
Water Framework Directive - Catchment	pg 37	Yes		Yes	
Water Framework Directive - Groundwater	pg 37	Yes			
Water Framework Directive - Surface Waters	pg 37				Yes

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 38		1		
Local Authority Landfill Coverage	pg 38	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)	pg 39				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 40	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 40	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 41	1	1	1	6
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 43	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 43	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 43		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 43		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 43		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 43		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 44	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 44	Yes	n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 45			1	2
Fuel Station Entries					
Points of Interest - Commercial Services	pg 45				1
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 45		2	3	25
Points of Interest - Public Infrastructure	pg 47		1	4	7
Points of Interest - Recreational and Environmental					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 49	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	257	1	197100 56050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	268	1	197100 56000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	307	1	197050 56050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	491	1	196900 56300
1	<b>Discharge Consents</b> Operator: Mr R Hooper Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Fernleigh House Old Pound, Nanpean, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: Fal, Cornwall Reference: Nra-Sw-2710 Permit Version: 1 Effective Date: 19th April 1991 Issued Date: 19th April 1991 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Soakaway Receiving Water: Soakaway <b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	475	2	197130 55650
2	<b>Discharge Consents</b> Operator: Imerys Minerals Ltd Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Dubbers Pit, Nanpean, Control Point 11/4, Cornwall Authority: Environment Agency, South West Region Catchment Area: Fal, Cornwall Reference: Nra-Sw-7150 Permit Version: 1 Effective Date: 14th February 1995 Issued Date: 14th February 1995 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Gwindra River Receiving Water: Gwindra River <b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A12SW (SW)	556	2	196820 55930
3	<b>Prosecutions</b> Location: Rocks Pit St Austell, Cornwall Prosecution Text: Not Supplied Prosecution Act: WATER RESOURCES ACT 1991, SECTION 85 (1) Hearing Date: 12th February 2002 Verdict: Guilty Fine: 1500 Cost: Not Supplied Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	383	2	198017 56518
	<b>Nearest Surface Water Feature</b>	A8NE (SE)	410	-	197827 55828
4	<b>Pollution Incidents to Controlled Waters</b> Property Type: China Clay Tips Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Weather Incident Date: 15th September 1994 Incident Reference: 62010078 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	572	2	197100 56800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<b>Pollution Incidents to Controlled Waters</b> Property Type: China Clay Tips Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Miscellaneous/Other Pollution Type Incident Date: 2nd February 1991 Incident Reference: 61001477 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	623	2	196800 55800
5	<b>Pollution Incidents to Controlled Waters</b> Property Type: China Clay Works Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Miscellaneous/Other Pollution Type Incident Date: 3rd May 1992 Incident Reference: 62004458 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	625	2	196800 55795
6	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other Farming Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Poor Operational Practise Incident Date: 5th September 1994 Incident Reference: 62010079 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Deliberate Action Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	674	2	196800 55700
7	<b>Pollution Incidents to Controlled Waters</b> Property Type: China Clay Tips Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Poor Operational Practise Incident Date: 21st November 1995 Incident Reference: 62011618 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	677	2	197200 57000
8	<b>Pollution Incidents to Controlled Waters</b> Property Type: Metalliferous Mine Workings Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Chemicals - Acid Note: Weather Incident Date: 2nd July 1991 Incident Reference: 62004026 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	713	2	196700 55800
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Sewerage: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Other Sewage Note: Poor Operational Practise Incident Date: 19th September 1994 Incident Reference: 62010080 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Act Of God Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	758	2	196700 55700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: China Clay Works Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Quarry/Extraction Water Note: Accidental Spillage/Leakage Incident Date: 6th February 1992 Incident Reference: 62003437 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	760	2	196650 56400
11	<b>Pollution Incidents to Controlled Waters</b> Property Type: Metalliferous Mine Tip Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Natural Causes Incident Date: 17th September 1991 Incident Reference: 62003407 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Storm Water Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	768	2	197200 57100
12	<b>Pollution Incidents to Controlled Waters</b> Property Type: China Clay Tips Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Weather Incident Date: 15th January 1993 Incident Reference: 62005238 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	848	2	196600 56500
13	<b>Pollution Incidents to Controlled Waters</b> Property Type: Acid Processes Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Inadequate Design/Capacity Incident Date: 15th October 1990 Incident Reference: 62003116 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11NE (W)	938	2	196500 56500
14	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Heating Oil Note: Accidental Spillage/Leakage Incident Date: 26th April 1993 Incident Reference: 62005619 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Storm Water Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	947	2	196670 56850
15	<b>Pollution Incidents to Controlled Waters</b> Property Type: China Clay Works Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Process Water Note: Poor Operational Practise Incident Date: 3rd September 1992 Incident Reference: 62005168 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A6NE (W)	948	2	196450 55800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<b>Pollution Incidents to Controlled Waters</b> Property Type: Metalliferous Mine Tip Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Weather Incident Date: 3rd October 1991 Incident Reference: 62003421 Catchment Area: Fal, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11SE (W)	972	2	196400 55900
17	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - South West Region, Devon and Cornwall Area Incident Date: 14th December 2022 Incident Reference: 2118246 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Suspended Solids	A12SW (W)	842	2	196523 55957
18	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - South West Region, Devon and Cornwall Area Incident Date: 6th May 2020 Incident Reference: 1804190 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inert Materials And Wastes: Soils And Clay	A6NE (W)	972	2	196408 55865
18	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - South West Region, Devon and Cornwall Area Incident Date: 10th March 2022 Incident Reference: 2038783 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Suspended Solids	A6NE (W)	987	2	196399 55836
19	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Dubbers Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	92	2	197470 56480
19	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Dubbers Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	92	2	197470 56480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548020G099 Permit Version: Not Supplied Location: Dubbers Farm , NANPEAN Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 0.20 Yearly Rate (m3): 83.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	175	2	197200 56000
21	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548020G098 Permit Version: Not Supplied Location: Dubbers Farm , NANPEAN Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 0.20 Yearly Rate (m3): 83.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	310	2	197200 55800
22	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Lower Longstone Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	436	2	197820 55780
22	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Lower Longstone Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	436	2	197820 55780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548020G067 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 0.20 Yearly Rate (m3): 83.00 Details: Licences Set Up After 1965 But Now Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SE (W)	462	2	196900 56200
24	<b>Water Abstractions</b> Operator: Unknown Operator Licence Number: 1548193G031 Permit Version: Not Supplied Location: Cornish Kaolin Pit &, Menna Kirk Downs Adit, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Adit Daily Rate (m3): 1309.20 Yearly Rate (m3): 272764.00 Details: Menna Kirk Downs Adit; 15/48/193/co/5 Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (S)	466	2	197600 55600
24	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G031 Permit Version: Not Supplied Location: Cornish Kaolin Pit &, Menna Kirk Downs Adit Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Adit Daily Rate (m3): 1313.20 Yearly Rate (m3): 137800.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (S)	470	2	197600 55595
24	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G031 Permit Version: Not Supplied Location: Cornish Kaolin Pit &, Menna Kirk Downs Adit Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Adit Daily Rate (m3): 1313.20 Yearly Rate (m3): 274182.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (S)	472	2	197605 55595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/S/047 Permit Version: 103 Location: Central Power Station - Old Pound Stream Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (SW)	580	2	197200 55500
25	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/S/047 Permit Version: 102 Location: Central Power Station - Old Pound Stream Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Goverseth Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (SW)	580	2	197200 55500
25	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/S/047 Permit Version: 101 Location: Central Power Station - Old Pound Stream Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Power Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (SW)	580	2	197200 55500
26	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Dorothy Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	811	2	197400 57200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Dorothy Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	811	2	197400 57200
27	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548020G097 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 272.70 Yearly Rate (m3): 59099.00 Details: Licences Set Up After 1965 But Now Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	848	2	196700 56700
28	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G017 Permit Version: Not Supplied Location: Karslake Cottages, WHITEMOOR Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 3.60 Yearly Rate (m3): 1327.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Unknown	A15SW (E)	932	2	198600 56200
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/S/037 Permit Version: 102 Location: Goverseth Reservoir Authority: Environment Agency, South West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Goverseth Terrace And Lower & Higher Goverseth Farm, Foxhole. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	1068	2	196900 55100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/S/037 Permit Version: 101 Location: Goverseth Reservoir Authority: Environment Agency, South West Region Abstraction: Private Water Supply: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Goverseth Terrace And Lower & Higher Goverseth Farm, Foxhole. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th February 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NE (SW)	1068	2	196900 55100
	<b>Water Abstractions</b> Operator: English China Clays International Licence Number: 15/48/020/S/037 Permit Version: 100 Location: Goverseth Reservoir Authority: Environment Agency, South West Region Abstraction: Private Water Supply: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Goverseth Terrace And Lower & Higher Goverseth Farm, Foxhole. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	1068	2	196900 55100
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Littlejohns Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1116	2	198405 57193
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Littlejohns Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	1118	2	198400 57200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G016 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 0.40 Yearly Rate (m3): 166.00 Details: Licences Set Up After 1965 But Now Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NW (SE)	1138	2	198100 55100
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Great Longstone Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	1187	2	198850 56150
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Great Longstone Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	1190	2	198849 56122
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G002 Permit Version: Not Supplied Location: Land At Halviggan, NANPEAN Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 0.40 Yearly Rate (m3): 164.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Unknown	A4NE (SE)	1257	2	198300 55100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Drinnick Well Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1259	2	196120 55840
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Drinnick Well Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1259	2	196120 55840
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 102 Location: Gothers Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Goonvean Works Ltd, Dorothy, Gothers, Dubbers, Treviscoe, Melbur, Wheal Remfry, Plant & Transport Workshops Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1259	2	196900 57500
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 101 Location: Gothers Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 21950 Yearly Rate (m3): 428818 Details: Goonvean Works Ltd, Dorothy, Gothers, Dubbers, Treviscoe, Melbur, Wheal Remfry, Plant & Transport Workshops Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1259	2	196900 57500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020S014 Permit Version: Not Supplied Location: Goverseth Works, Goverseth, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1636.40 Yearly Rate (m3): 454545.00 Details: River Fal; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1317	2	196203 55444
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020S014 Permit Version: Not Supplied Location: Goverseth Works, Goverseth, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1636.60 Yearly Rate (m3): 454607.00 Details: River Fal; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1319	2	196203 55439
	<b>Water Abstractions</b> Operator: Unknown Operator Licence Number: 1548020S019 Permit Version: Not Supplied Location: Central Power Station, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Cooling (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 2954.50 Yearly Rate (m3): 236364.00 Details: Gwindra River; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1321	2	196198 55444
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020S014 Permit Version: Not Supplied Location: Goverseth Works, Goverseth, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1963.60 Yearly Rate (m3): 454545.00 Details: River Fal; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1322	2	196203 55434

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020S014 Permit Version: Not Supplied Location: Goverseth Works, Goverseth, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 4254.50 Yearly Rate (m3): 1181818.00 Details: River Fal; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1324	2	196198 55439
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020S014 Permit Version: Not Supplied Location: Goverseth Works, Goverseth, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 4254.50 Yearly Rate (m3): 590909.00 Details: River Fal; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1326	2	196198 55434
	<b>Water Abstractions</b> Operator: Unknown Operator Licence Number: 1548020S019 Permit Version: Not Supplied Location: Central Power Station, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Cooling (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 2954.50 Yearly Rate (m3): 502727.00 Details: Gwindra River; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1326	2	196193 55444
	<b>Water Abstractions</b> Operator: Unknown Operator Licence Number: 1548020S019 Permit Version: Not Supplied Location: Central Power Station, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 660.00 Yearly Rate (m3): 95941.00 Details: Gwindra River; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1328	2	196193 55439

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Unknown Operator Licence Number: 1548020S019 Permit Version: Not Supplied Location: Central Power Station, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 339.10 Yearly Rate (m3): 45886.00 Details: Gwindra River; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1330	2	196193 55434
	<b>Water Abstractions</b> Operator: Unknown Operator Licence Number: 1548020S019 Permit Version: Not Supplied Location: Central Power Station, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 325.50 Yearly Rate (m3): 40909.00 Details: Gwindra River; C Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A6SE (SW)	1333	2	196193 55429
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Gothers Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NE (NW)	1352	2	196890 57600
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Gothers Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NE (NW)	1355	2	196890 57603

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020G086 Permit Version: Not Supplied Location: Goverseth; North, GOVERSETH Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 11550.00 Yearly Rate (m3): 388181.00 Details: Wheal Frederick Pit; 124.052 Mga Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25SW (NE)	1465	2	198700 57395
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020G086 Permit Version: Not Supplied Location: Goverseth; North, GOVERSETH Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 11550.00 Yearly Rate (m3): 337182.00 Details: Wheal Frederick Pit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1468	2	198705 57395
	<b>Water Abstractions</b> Operator: English China Clays Licence Number: 15/48/20/G/87 Permit Version: Not Supplied Location: Dorothy Gothers Dubbers Treviscoe, Melbur & Wheal Remfry & Western, Excavating Workshops Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 21950 Yearly Rate (m3): 428818 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1469	2	198700 57400
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020G086 Permit Version: Not Supplied Location: Goverseth; North, GOVERSETH Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 11550.00 Yearly Rate (m3): 698182.00 Details: Wheal Frederick Pit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1472	2	198705 57400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 102 Location: West Gunheath Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Blackpool, Blackpool Dryers, Gt Longstone, Littlejohns, Wheal Martyn & Greensplatt Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20SE (E)	1547	2	199200 56600
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 101 Location: West Gunheath Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 38255 Yearly Rate (m3): 1705280 Details: Blackpool, Blackpool Dryers, Gt Longstone, Littlejohns, Wheal Martyn & Greensplatt Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20SE (E)	1547	2	199200 56600
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Hendra Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1623	2	195760 56420
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Hendra Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1623	2	195760 56420



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020S019 Permit Version: Not Supplied Location: Central Power Station Authority: Environment Agency, South West Region Abstraction: Industrial Cooling (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 2954.50 Yearly Rate (m3): 236364.00 Details: Non-Evap Cooling; Gwindra River Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1656	2	195805 55500
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/S/019 Permit Version: 103 Location: Gwindra River Authority: Environment Agency, South West Region Abstraction: Extractive: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1660	2	195800 55500
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/S/019 Permit Version: 102 Location: Gwindra River Authority: Environment Agency, South West Region Abstraction: Extractive: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Power Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1660	2	195800 55500
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/S/019 Permit Version: 101 Location: Gwindra River Authority: Environment Agency, South West Region Abstraction: Extractive: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 2955 Yearly Rate (m3): 500068 Details: Central Power Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1660	2	195800 55500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020S019 Permit Version: Not Supplied Location: Central Power Station Authority: Environment Agency, South West Region Abstraction: Industrial Cooling (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 2954.50 Yearly Rate (m3): 502727.00 Details: Non-Evap Cooling; Gwindra River Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1663	2	195795 55505
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020G090 Permit Version: Not Supplied Location: Drinnick Dryers, & Central Power Station, ST STEPHEN IN BRANNEL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 200.00 Yearly Rate (m3): 27958.00 Details: Depth 40M Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1700	2	195905 55195
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Trelavour Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1701	2	196000 57200
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 102 Location: Trelavour Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Goonvean Works Ltd, Dorothy, Gothers, Dubbers, Treviscoe, Melbur, Wheal Remfry, Plant & Transport Workshops Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1701	2	196000 57200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 101 Location: Trelavour Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 21950 Yearly Rate (m3): 428818 Details: Goonvean Works Ltd, Dorothy, Gothers, Dubbers, Treviscoe, Melbur, Wheal Remfry, Plant & Transport Workshops Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1701	2	196000 57200
	<b>Water Abstractions</b> Operator: South West Water Limited Licence Number: Sw/048/0193/001 Permit Version: 1 Location: Blackpool Quarry Pit At St Austell Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Raw Water Supply Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 11th June 2024 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SE (SE)	1702	2	198495 54688
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020G090 Permit Version: Not Supplied Location: Drinnick Dryers, & Central Power Station, ST STEPHEN IN BRANNEL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 200.00 Yearly Rate (m3): 27955.00 Details: Depth 40M Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1704	2	195900 55195
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Trelavour Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1706	2	196000 57210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G037 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 1.60 Yearly Rate (m3): 581.00 Details: Licences Set Up After 1965 But Now Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1731	2	199400 56495
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Allens Quarry Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1765	2	195600 55900
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Allens Quarry Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1765	2	195600 55900
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 102 Location: Allens Quarry Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Goonvean Works Ltd, Dorothy, Gothers, Dubbers, Treviscoe, Melbur, Wheal Remfry, Plant & Transport Workshops Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1765	2	195600 55900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 101 Location: Allens Quarry Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 21950 Yearly Rate (m3): 428818 Details: Goonvean Works Ltd, Dorothy, Gothers, Dubbers, Treviscoe, Melbur, Wheal Remfry, Plant & Transport Workshops Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1765	2	195600 55900
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020G090 Permit Version: Not Supplied Location: Drinnick Dryers, Central Power Station, St Stephen-In-Brannel, ST AUSTELL, Devon Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 110.00 Yearly Rate (m3): 13640.00 Details: Borehole Depth :40; 11214 Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Manually positioned to the address or location	A1NW (SW)	1766	2	195829 55193
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548020S040 Permit Version: Not Supplied Location: Works Of English Clays, Lovering Pochin & Co Ltd Authority: Environment Agency, South West Region Abstraction: Industrial Processing ( Miscellaneous) Abstraction Type: Not Supplied Source: Leat Daily Rate (m3): 6546.30 Yearly Rate (m3): 181843.00 Details: Leat Take-Off Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1778	2	195600 55800
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G036 Permit Version: Not Supplied Location: Holding At Hensbarrow Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 0.10 Yearly Rate (m3): 23.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NE)	1792	2	199300 57100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 103 Location: Mid Cornwall Dam Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1SE (SW)	1805	2	196350 54570
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548020S012 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 454.60 Yearly Rate (m3): 14093.00 Details: Trelavour Pit; Licences Set Up After 1965 But Now Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1808	2	196000 57400
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 104 Location: Mid Cornwall Dam Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1SE (SW)	1812	2	196349 54563
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 103 Location: Higher Moor Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1813	2	199400 56900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/193/G/026 Permit Version: 103 Location: Blackpool Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mid Cornwall China Clay District Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1825	2	198000 54300
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G039 Permit Version: Not Supplied Location: Carthew Farm , ST AUSTELL Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 1.80 Yearly Rate (m3): 659.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1860	2	199500 56700
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548020G093 Permit Version: Not Supplied Location: Drinnick Prems - E C C I, ST STEPHEN IN BRANNEL Authority: Environment Agency, South West Region Abstraction: Industrial Processing ( Miscellaneous) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 169.10 Yearly Rate (m3): 54550.00 Details: General Industrial Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1893	2	195801 55001
	<b>Water Abstractions</b> Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G038 Permit Version: Not Supplied Location: Gunheath Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 2.70 Yearly Rate (m3): 989.00 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1908	2	199500 56900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 102 Location: Hendra Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Goonvean Works Ltd, Dorothy, Gothers, Dubbers, Treviscoe, Melbur, Wheal Remfry, Plant & Transport Workshops Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1977	2	195500 56800
	<b>Water Abstractions</b> Operator: Imerys Minerals Ltd Licence Number: 15/48/020/G/087 Permit Version: 101 Location: Hendra Pit Authority: Environment Agency, South West Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 21950 Yearly Rate (m3): 428818 Details: Goonvean Works Ltd, Dorothy, Gothers, Dubbers, Treviscoe, Melbur, Wheal Remfry, Plant & Transport Workshops Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1977	2	195500 56800
	<b>Water Abstractions</b> Operator: ENGLISH CHINA CLAYS Licence Number: 1548193G022 Permit Version: Not Supplied Location: Higher Moor Farmhouse; Gunheath Cottage , & Vale Gunheath Farm house &, Pleasant & Gunheath House, ST AUSTELL Authority: Environment Agency, South West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 4.50 Yearly Rate (m3): 1659.00 Details: 5 Domestic Props; Depth 37M Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1979	2	199600 56800
	<b>Groundwater Vulnerability Map</b> Classification: Secondary Bedrock Aquifer - High Vulnerability Combined: High Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: 40-70% Superficial: <90% Patchiness: Superficial: <3m Thickness: Superficial: No Data Recharge:	A13NW (SE)	0	2	197508 56227
	<b>Groundwater Vulnerability - Soluble Rock Risk</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13NW (SE)	0	2	197508 56227
	<b>Superficial Aquifer Designations</b> No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<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				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
29	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 72.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	432	3	197089 55732
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	432	3	197089 55733
31	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 162.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	433	3	197087 55733
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	497	3	196945 55802
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 116.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	499	3	196943 55800
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 422.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A8SW (S)	544	3	197265 55517
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	544	3	196947 55719

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 170.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	559	3	197009 55633
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12SW (SW)	560	3	196817 55926
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	564	3	197013 55624
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	567	3	196921 55716
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	568	3	197719 55539
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	568	3	196917 55718
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	571	3	196912 55721
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	573	3	197008 55616
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 343.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	580	3	198281 56254

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A8SW (S)	582	3	197378 55460
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A8SW (S)	584	3	197383 55458
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 126.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12SW (SW)	593	3	196793 55891
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 51.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	594	3	196890 55712
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	601	3	196852 55754
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	608	3	198280 56249
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	609	3	198278 56226
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 144.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	612	3	198279 56216
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 246.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NE (SW)	619	3	196843 55733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 327.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A17SE (NW)	664	3	196931 56732
55	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 50.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A17SE (NW)	664	3	196931 56732
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A17SE (NW)	675	3	196948 56779
57	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 211.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A17SE (NW)	678	3	196952 56788
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 51.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	704	3	196706 55809
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 694.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	718	3	198357 56099
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A17NE (NW)	720	3	197054 56958
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 109.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A17NE (NW)	723	3	197060 56966
62	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	725	3	197576 55327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	732	3	197589 55321
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	732	3	197588 55322
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	736	3	197597 55319
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	737	3	197599 55318
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	746	3	197617 55313
68	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	746	3	197615 55313
69	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	755	3	197636 55308
70	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	755	3	197635 55309
71	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 81.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	756	3	196657 55792



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	764	3	197655 55304
73	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	765	3	197656 55304
74	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 166.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	770	3	196635 56390
75	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 89.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	774	3	197674 55300
76	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 348.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	797	3	196584 56321
77	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	797	3	196584 56321
78	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A17NE (NW)	804	3	197052 57061
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	809	3	196612 55762
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	809	3	196594 55807

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	810	3	196575 56336
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 313.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A17NE (NW)	811	3	197058 57073
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	812	3	196574 56338
84	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 96.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	812	3	196607 55767
85	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A12NW (W)	818	3	196660 56546
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 635.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	821	3	197762 55282
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 113.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	821	3	196581 55809
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12SW (W)	822	3	196537 56005
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	825	3	196604 56457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	825	3	196604 56457
91	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 98.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12SW (W)	832	3	196529 55984
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A12NW (W)	834	3	196629 56525
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	839	3	196599 56478
94	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	846	3	196600 56496
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A12NW (W)	847	3	196604 56507
96	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 45.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	848	3	196602 56505
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 109.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12SW (W)	868	3	196508 55892
98	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	882	3	196587 56547

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 70.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A12NW (W)	884	3	196587 56550
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	897	3	196512 55778
101	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	897	3	196512 55778
102	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	914	3	196508 55737
103	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 49.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	915	3	196509 55735
104	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 53.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (SW)	919	3	196495 55759
105	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	919	3	196502 55739
106	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 45.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	920	3	196524 55688
107	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	922	3	196511 55712

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 71.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	924	3	196511 55707
109	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (SW)	928	3	196476 55785
110	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 54.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (SW)	928	3	196476 55787
111	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	936	3	196531 55639
112	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 72.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	937	3	196532 55635
113	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A17SW (W)	939	3	196562 56616
114	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 38.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A17SW (W)	942	3	196561 56620
115	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 87.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A17SW (NW)	946	3	196590 56693
116	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7NW (SW)	959	3	196547 55564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A17SW (NW)	963	3	196590 56733
118	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 36.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A17SW (NW)	963	3	196590 56733
119	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A17SW (NW)	964	3	196558 56657
120	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 82.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	965	3	196749 55322
121	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 37.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	966	3	196735 55332
122	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (W)	966	3	196429 55808
123	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	967	3	196805 55275
124	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (W)	967	3	196416 55850
125	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	971	3	196558 55527

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 23.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	972	3	196560 55522
127	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (W)	972	3	196422 55809
128	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 93.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 2	A7SW (SW)	973	3	196782 55285
129	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	974	3	196703 55351
130	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 82.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	976	3	196791 55274
131	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 184.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	976	3	196587 55479
132	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (W)	978	3	196416 55810
133	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SW (SW)	980	3	196680 55364
134	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (W)	981	3	196404 55841



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 153.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SE (SW)	984	3	196863 55216
136	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A7SE (SW)	984	3	196863 55216
137	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (W)	994	3	196394 55831
138	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A17SW (NW)	996	3	196566 56761
139	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Fal Primacy: 1	A6NE (W)	996	3	196392 55826
	<b>Water Framework Directive - Catchment</b> Class Code: River Catchment WaterBody Name: Gwindra Stream WaterBody ID: GB108048001350 Operational: Fal Catchment: Cornwall West and the Fal Management: Cornwall Catchment Name: Cornwall	A13NW (SE)	0	2	197508 56227
	<b>Water Framework Directive - Catchment</b> Class Code: River Catchment WaterBody Name: St Austell River WaterBody ID: GB108048002280 Operational: Par St Austell and Caerhays Catchment: Cornwall West and the Fal Management: Cornwall Catchment Name: Cornwall	A13SE (SE)	255	2	197760 56010
	<b>Water Framework Directive - Groundwater</b> Waterbody Name: South Cornwall Waterbody ID: GB40802G800200 URL Address: <a href="https://environment.data.gov.uk/catchment-planning/WaterBody/GB40802G800200">https://environment.data.gov.uk/catchment-planning/WaterBody/GB40802G800200</a> Overall Rating: Poor Chemical Rating: Poor Quantitative: Good Measure: 2019	A13NW (SE)	0	2	197508 56227
	<b>Water Framework Directive - Surface Waters</b> Class Code: River Waterbody Name: Gwindra Stream Waterbody ID: GB108048001350 URL Address: Not Supplied Overall Rating: Not Assessed Chemical Rating: Not Assessed Classification Year: 2022	A12SW (W)	533	2	196836 55960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 102609 Location: Dubbers Mica Dam, Old Pound, St Stephen In Brammel, Cornwall, PL24 2SQ Operator Name: IMERY'S MINERALS LIMITED Operator Location: Not Supplied Authority: Environment Agency - South West Region, Devon and Cornwall Area Site Category: Management of inert or extractive waste at mine <b>Licence Status: Issued</b> Issued: 7th July 2011 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	186	2	197214 56235
	<b>Local Authority Landfill Coverage</b> Name: Restormel Borough Council - Has no landfill data to supply		0	4	197508 56227
	<b>Local Authority Landfill Coverage</b> Name: Cornwall County Council - Had landfill data but passed it to the relevant environment agency		0	5	197508 56227

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	<b>Control of Major Accident Hazards Sites (COMAH)</b> Name: Exchem Explosives Location: Old Pound, Nanpean Reference: Not Supplied Type: Lower Tier <b>Status: Record Ceased To Be Supplied Under COMAH Regulations</b> Positional Accuracy: Manually positioned to the address or location	A8SW (S)	616	6	197383 55426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Unnamed Igneous Intrusion, Carboniferous To Permian	A13NW (SE)	0	1	197508 56227
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (SE)	0	1	197508 56227
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	227	1	197310 56538
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (SW)	247	1	197111 56028
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (N)	497	1	197478 56896
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SW (NW)	753	1	196762 56601
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SW (NW)	761	1	196761 56622

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	790	1	196723 56602
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	886	1	196634 56639
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	926	1	196864 55284
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (W)	997	1	196500 56627
142	<b>BGS Recorded Mineral Sites</b> Site Name: Dubber'S China Clay Works Location: Nanpean, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 83181 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	0	1	197598 56380
143	<b>BGS Recorded Mineral Sites</b> Site Name: Dubbers China Clay Works Location: St Dennis, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 937 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	200	1	197300 56450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	<b>BGS Recorded Mineral Sites</b> Site Name: Old Pound Location: St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 954 Type: Opencast <b>Status: Ceased</b> Operator: Imerys Minerals Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	310	1	197200 55800
145	<b>BGS Recorded Mineral Sites</b> Site Name: Longstone China Clay Pit Location: Nanpean, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 950 Type: Opencast <b>Status: Dormant</b> Operator: Imerys Minerals Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Unknown	A9NW (SE)	628	1	198000 55700
145	<b>BGS Recorded Mineral Sites</b> Site Name: Longstone Pit Location: Nanpean, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 55662 Type: Opencast <b>Status: Ceased</b> Operator: Bardon Aggregates - Southern Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Waste Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	628	1	198000 55700
146	<b>BGS Recorded Mineral Sites</b> Site Name: Dubber'S China Clay Works Location: Nanpean, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 83182 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A12NW (W)	748	1	196704 56482
147	<b>BGS Recorded Mineral Sites</b> Site Name: Dorothy China Clay Works Location: Whitemoor, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 936 Type: Opencast <b>Status: Ceased</b> Operator: Imerys Minerals Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous, Permian Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A18NW (N)	776	1	197458 57173
148	<b>BGS Recorded Mineral Sites</b> Site Name: Littlejohns Pit Location: Whitemoor, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 253767 Type: Opencast <b>Status: Dormant</b> Operator: Imerys Minerals Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous Geology: St Austell Intrusion (St Austell Granite) Commodity: China Clay Positional Accuracy: Located by supplier to within 10m	A19NW (N)	838	1	197865 57205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	<b>BGS Recorded Mineral Sites</b> Site Name: Great Longstone Pit Location: Whitemoor, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 253766 Type: Opencast <b>Status:</b> Active Operator: Imerys Minerals Ltd. Operator Location: Not Supplied Periodic Type: No Data Geology: No Data Commodity: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	854	1	198525 56230
	<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> Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	247	1	197111 56028
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	247	1	197111 56028
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	227	1	197310 56538
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	247	1	197111 56028
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	247	1	197111 56028
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	247	1	197111 56028
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	197508 56227

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	<b>Contemporary Trade Directory Entries</b> Name: E P C Uk Location: Longstones Office, Nanpean, St Austell, Cornwall, PL26 7XS Classification: Blast Cleaning Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NW (S)	476	-	197328 55572
151	<b>Contemporary Trade Directory Entries</b> Name: Exchem Explosives Location: Nanpean, St. Austell, Cornwall, PL26 7XS Classification: Explosives - Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	584	-	197647 55491
152	<b>Contemporary Trade Directory Entries</b> Name: St Austell Aggregates Location: Roslyn Rose, Nanpean, St. Austell, Cornwall, PL26 7XG Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	973	-	196614 56807
153	<b>Points of Interest - Commercial Services</b> Name: G Julian Haulage Location: Currian Vale, Nanpean, St. Austell, PL26 7XG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SW (NW)	975	7	196609 56801
154	<b>Points of Interest - Manufacturing and Production</b> Name: Old Pound China Clay Works Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	180	7	197173 56109
155	<b>Points of Interest - Manufacturing and Production</b> Name: Old Pound China Clay Works Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	236	7	197150 55966
156	<b>Points of Interest - Manufacturing and Production</b> Name: Dorothy China Clay Works Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	440	7	197654 56844
156	<b>Points of Interest - Manufacturing and Production</b> Name: Clay Pit Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	461	7	197655 56865
157	<b>Points of Interest - Manufacturing and Production</b> Name: Longstone China Clay Works Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	455	7	197738 55679
158	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8NE (S)	512	7	197664 55576
158	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	544	7	197672 55544
159	<b>Points of Interest - Manufacturing and Production</b> Name: Dubbers New Mica Dam Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	538	7	196942 56458

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	<b>Points of Interest - Manufacturing and Production</b> Name: Dubbers New Mica Dam Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	538	7	196942 56458
160	<b>Points of Interest - Manufacturing and Production</b> Name: China Clay Workings Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	565	7	197468 56962
161	<b>Points of Interest - Manufacturing and Production</b> Name: Solar Panels Location: PL26 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	569	7	197361 55474
162	<b>Points of Interest - Manufacturing and Production</b> Name: Longstone Works Location: PL26 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	602	7	197606 55459
163	<b>Points of Interest - Manufacturing and Production</b> Name: Winnipeg Mica Dam (Dis) Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	615	7	196740 56154
164	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SE (SE)	701	7	197838 55451
164	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SE (S)	727	7	197837 55421
164	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	747	7	197916 55447
164	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9SW (SE)	748	7	197878 55421
165	<b>Points of Interest - Manufacturing and Production</b> Name: Winnipeg Mica Dam (Disused) Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	714	7	196660 55918
166	<b>Points of Interest - Manufacturing and Production</b> Name: Lower Longstone China Clay Works Location: PL26 Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	785	7	198199 55712
166	<b>Points of Interest - Manufacturing and Production</b> Name: Lower Longstone China Clay Works Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	788	7	198202 55711

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	796	7	196610 55802
168	<b>Points of Interest - Manufacturing and Production</b> Name: China Clay Workings Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A19NW (N)	848	7	197890 57207
169	<b>Points of Interest - Manufacturing and Production</b> Name: Dorothy China Clay Works Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	885	7	197392 57274
170	<b>Points of Interest - Manufacturing and Production</b> Name: Workings Location: PL26 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A15NW (E)	897	7	198571 56257
171	<b>Points of Interest - Manufacturing and Production</b> Name: Dorothy China Clay Works Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A23SE (N)	904	7	197664 57309
172	<b>Points of Interest - Manufacturing and Production</b> Name: Clay Pit Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A20SW (E)	916	7	198550 56614
173	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	920	7	198533 55990
173	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	945	7	198532 55925
174	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	934	7	198561 56026
175	<b>Points of Interest - Manufacturing and Production</b> Name: Clay Pit Location: PL26 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A23SE (N)	976	7	197748 57373
176	<b>Points of Interest - Public Infrastructure</b> Name: Refuse Tip (Disused) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	55	7	197572 56459
177	<b>Points of Interest - Public Infrastructure</b> Name: Tip Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	310	7	197945 56170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	<b>Points of Interest - Public Infrastructure</b> Name: Refuse Tip (Disused) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	433	7	197536 55616
178	<b>Points of Interest - Public Infrastructure</b> Name: Heap (Dis) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	442	7	197549 55610
179	<b>Points of Interest - Public Infrastructure</b> Name: Tip Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	439	7	198112 56390
180	<b>Points of Interest - Public Infrastructure</b> Name: Refuse Tip (Disused) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	551	7	196814 55979
181	<b>Points of Interest - Public Infrastructure</b> Name: Refuse Tip (Disused) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	608	7	197151 56890
182	<b>Points of Interest - Public Infrastructure</b> Name: Refuse Tip (Disused) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	615	7	197879 55585
183	<b>Points of Interest - Public Infrastructure</b> Name: Refuse Tip (Disused) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	664	7	198282 56054
184	<b>Points of Interest - Public Infrastructure</b> Name: Refuse Tip (Disused) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	873	7	198112 55450
185	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: PL26 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A11SE (W)	962	7	196396 56009
185	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A11SE (W)	974	7	196384 56007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	<b>Nitrate Vulnerable Zones</b> Name: Truro, Tresillian And Fal Eutrophic Nvz (Trac) Description: Eutrophic Water Source: Environment Agency, Head Office	A13NW (SE)	0	2	197508 56227

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Carrick District Council (now part of Cornwall Council) - Environmental Health Department North Cornwall District Council (now part of Cornwall Council) - Environmental Health Department Environment Agency - Head Office Cornwall Council - Environmental Health Department Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	April 2009 August 2009  November 2023 November 2024 September 2008	  Annually Annually Not Applicable
<b>Discharge Consents</b> Environment Agency - South West Region	July 2025	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - South West Region	March 2013	
<b>Integrated Pollution Controls</b> Environment Agency - South West Region	January 2009	
<b>Integrated Pollution Prevention And Control</b> Environment Agency - South West Region	April 2025	Bi-Annually
<b>Local Authority Integrated Pollution Prevention And Control</b> Fowey Port Health Authority North Cornwall District Council (now part of Cornwall Council) - Environmental Health Department Carrick District Council (now part of Cornwall Council) - Environmental Health Department Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	August 2008 December 2008  July 2008 July 2009  March 2023	Variable Not Applicable  Not Applicable Not Applicable  Variable
<b>Local Authority Pollution Prevention and Controls</b> Fowey Port Health Authority North Cornwall District Council (now part of Cornwall Council) - Environmental Health Department Carrick District Council (now part of Cornwall Council) - Environmental Health Department Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	August 2008 December 2008  July 2008 July 2009  March 2023	Not Applicable Not Applicable  Not Applicable Not Applicable  Annually
<b>Local Authority Pollution Prevention and Control Enforcements</b> Fowey Port Health Authority North Cornwall District Council (now part of Cornwall Council) - Environmental Health Department Carrick District Council (now part of Cornwall Council) - Environmental Health Department Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department Cornwall Council - Environmental Health Department	August 2008 December 2008  July 2008 July 2009  March 2023	Variable Not Applicable  Not Applicable Not Applicable  Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	August 2025	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - South West Region	September 1999	
<b>Historical Prosecutions</b> Environment Agency, South West Region	March 2013	Not Applicable
<b>Prosecutions</b> Environment Agency - Head Office	February 2024	Annually
<b>Registered Radioactive Substances</b> Environment Agency - Head Office Environment Agency - South West Region	May 2023 May 2023	
<b>Substantiated Pollution Incident Register</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	July 2025 July 2025	Quarterly Quarterly



Agency & Hydrological	Version	Update Cycle
<b>Water Abstractions</b> Environment Agency - South West Region	July 2025	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - South West Region	October 2017	
<b>Groundwater Vulnerability Map</b> Environment Agency - Head Office	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	As notified
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	August 2025	Bi-Annually
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	December 2023	As notified
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	December 2023	As notified
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2023	
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	June 2025	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	August 2022	
<b>OS Water Network Lines</b> Ordnance Survey	July 2025	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water Suitability</b> Environment Agency - Head Office	February 2016	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	As notified
<b>Water Framework Directive - Catchment</b> Environment Agency - Head Office	July 2025	Annually
<b>Water Framework Directive - Groundwater</b> Environment Agency - Head Office	July 2025	Annually
<b>Water Framework Directive - Surface Waters</b> Environment Agency - Head Office	July 2025	Annually




Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	November 2002	As notified
<b>Historical Landfill Sites</b> Environment Agency - Head Office	April 2025	Bi-Annually
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - South West Region	January 2009	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	July 2025 July 2025	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	April 2025 April 2025	Bi-Annually Bi-Annually
<b>Local Authority Landfill Coverage</b> Carrick District Council (now part of Cornwall Council) - Environmental Health Department Cornwall County Council (now part of Cornwall Council) North Cornwall District Council (now part of Cornwall Council) Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Carrick District Council (now part of Cornwall Council) - Environmental Health Department Cornwall County Council (now part of Cornwall Council) North Cornwall District Council (now part of Cornwall Council) Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	October 2018 October 2018 October 2018 October 2018	
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	
<b>Registered Landfill Sites</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	March 2006 March 2006	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	April 2018 April 2018	
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	June 2025	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	August 2001	
<b>Planning Hazardous Substance Enforcements</b> Cornwall County Council (now part of Cornwall Council) North Cornwall District Council (now part of Cornwall Council) - Planning Department Carrick District Council (now part of Cornwall Council) - Development Control Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	January 2009 January 2009 May 2009 May 2023 October 2008	Annual Rolling Update Not Applicable Not Applicable Variable Not Applicable
<b>Planning Hazardous Substance Consents</b> Cornwall County Council (now part of Cornwall Council) North Cornwall District Council (now part of Cornwall Council) - Planning Department Carrick District Council (now part of Cornwall Council) - Development Control Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	January 2009 January 2009 May 2009 May 2016 October 2008	Annual Rolling Update Not Applicable Not Applicable Variable Not Applicable
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	As notified
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	December 2015	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	February 2023	
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	November 2024	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	November 2024	Annually

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	June 2025	Quarterly
<b>Fuel Station Entries</b> Green Street Advisor (UK) Ltd	August 2025	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	September 2025	Quarterly
<b>Points of Interest - Education and Health</b> PointX	September 2025	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	September 2025	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	September 2025	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	September 2025	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	September 2025	Bi-Annually
<b>Areas of Adopted Green Belt</b> Carrick District Council (now part of Cornwall Council) - Development Control Cornwall Council - Planning Department North Cornwall District Council (now part of Cornwall Council) Restormel Borough Council (now part of Cornwall Council)	July 2025 July 2025 July 2025 July 2025	Quarterly Quarterly Quarterly Quarterly
<b>Areas of Unadopted Green Belt</b> Carrick District Council (now part of Cornwall Council) - Development Control Cornwall Council - Planning Department North Cornwall District Council (now part of Cornwall Council) Restormel Borough Council (now part of Cornwall Council)	July 2025 July 2025 July 2025 July 2025	Quarterly Quarterly Quarterly Quarterly
<b>Areas of Outstanding Natural Beauty</b> Natural England	May 2025	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	August 2023	
<b>Forest Parks</b> Forestry Commission	May 2023	Not Applicable
<b>Local Nature Reserves</b> Natural England	August 2025	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	August 2025	Bi-Annually
<b>National Nature Reserves</b> Natural England	July 2025	Bi-Annually
<b>National Parks</b> Natural England	September 2024	Bi-Annually
<b>Nitrate Sensitive Areas</b> Natural England	April 2023	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 November 2024	Annually
<b>Ramsar Sites</b> Natural England	August 2025	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	May 2025	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	July 2025	Bi-Annually
<b>Special Protection Areas</b> Natural England	May 2025	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <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>
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
3	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: <a href="mailto:customerservices@ordnancesurvey.co.uk">customerservices@ordnancesurvey.co.uk</a> Website: <a href="http://www.ordnancesurvey.co.uk">www.ordnancesurvey.co.uk</a>
4	<b>Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department</b> County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: <a href="mailto:enquiries@cornwall.gov.uk">enquiries@cornwall.gov.uk</a> Website: <a href="http://www.cornwall.gov.uk">www.cornwall.gov.uk</a>
5	<b>Cornwall County Council (now part of Cornwall Council)</b> County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: <a href="mailto:enquiries@cornwall.gov.uk">enquiries@cornwall.gov.uk</a> Website: <a href="http://www.cornwall.gov.uk">www.cornwall.gov.uk</a>
6	<b>Health and Safety Executive</b> 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: <a href="http://www.hse.gov.uk">www.hse.gov.uk</a>
7	<b>PointX</b> 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: <a href="http://www.pointx.co.uk">www.pointx.co.uk</a>
8	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 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>
-	<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> Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: <a href="mailto:helpdesk@landmark.co.uk">helpdesk@landmark.co.uk</a> Website: <a href="http://www.landmark.co.uk">www.landmark.co.uk</a>

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





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## **APPENDIX C**

### **Historical Maps**

# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

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

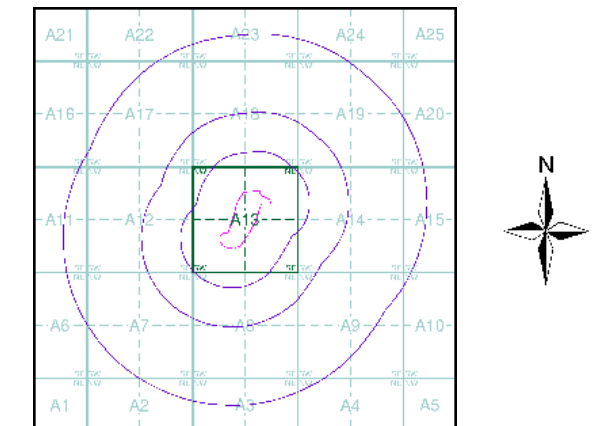
## 1:10,000 Raster Mapping

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

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cornwall & Isles Of Scilly	1:10,560	1888 - 1889	2
Cornwall & Isles Of Scilly	1:10,560	1908	3
Cornwall & Isles Of Scilly	1:10,560	1932 - 1934	4
Cornwall & Isles Of Scilly	1:10,560	1938	5
Ordnance Survey Plan	1:10,000	1963	6
Ordnance Survey Plan	1:10,000	1970	7
Ordnance Survey Plan	1:10,000	1977	8
Ordnance Survey Plan	1:10,000	1980	9
Ordnance Survey Plan	1:10,000	1992 - 1995	10
10K Raster Mapping	1:10,000	2000	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2025	13

## Historical Map - Slice A



## Order Details

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Search Buffer (m): 1000

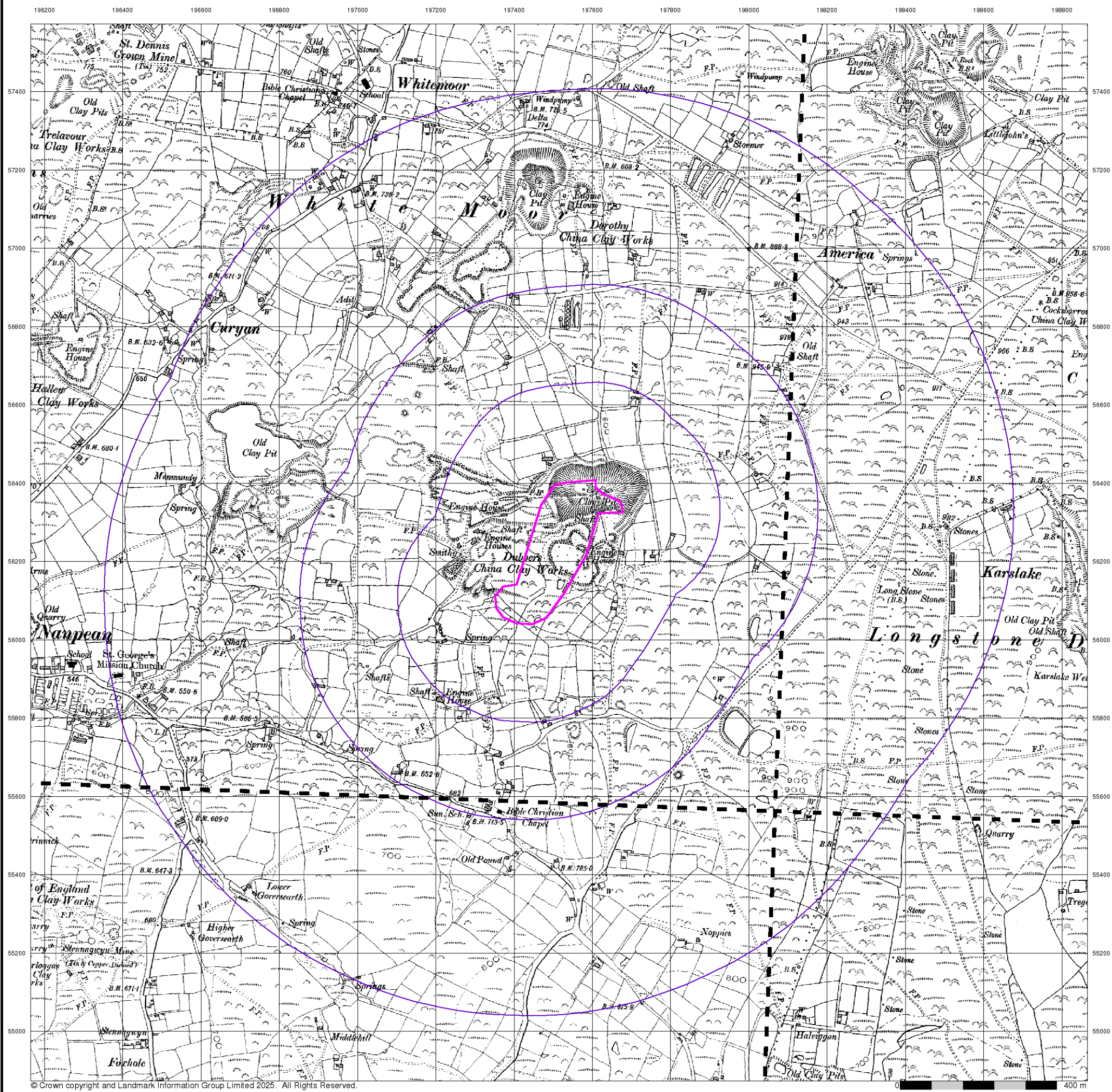
## Site Details

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## Cornwall & Isles Of Scilly

Published 1908

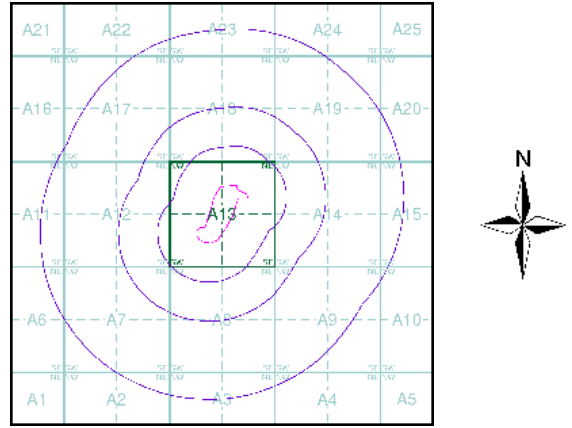
Source map scale - 1:10,560

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)

041SW 1908 1:10,560	041SE 1908 1:10,560
050NW 1908 1:10,560	050NE 1908 1:10,560

### Historical Map - Slice A



### Order Details

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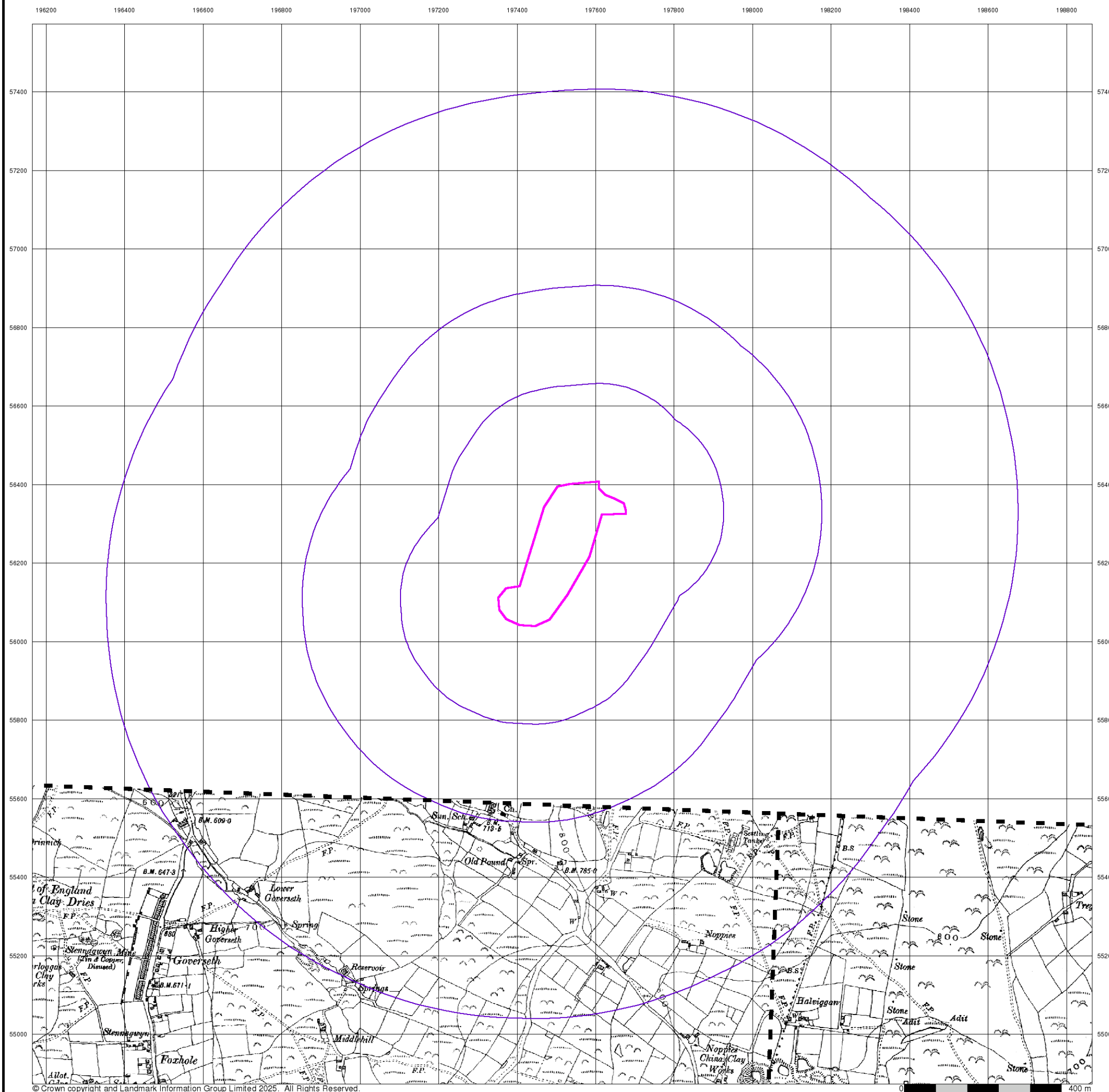
### Site Details

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





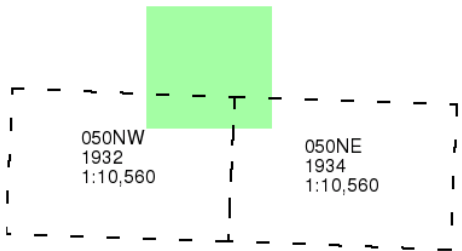
## Cornwall & Isles Of Scilly

**Published 1932 - 1934**

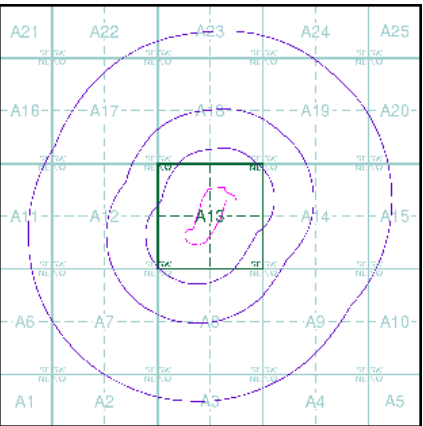
**Source map scale - 1:10,560**

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

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



## Historical Map - Slice A

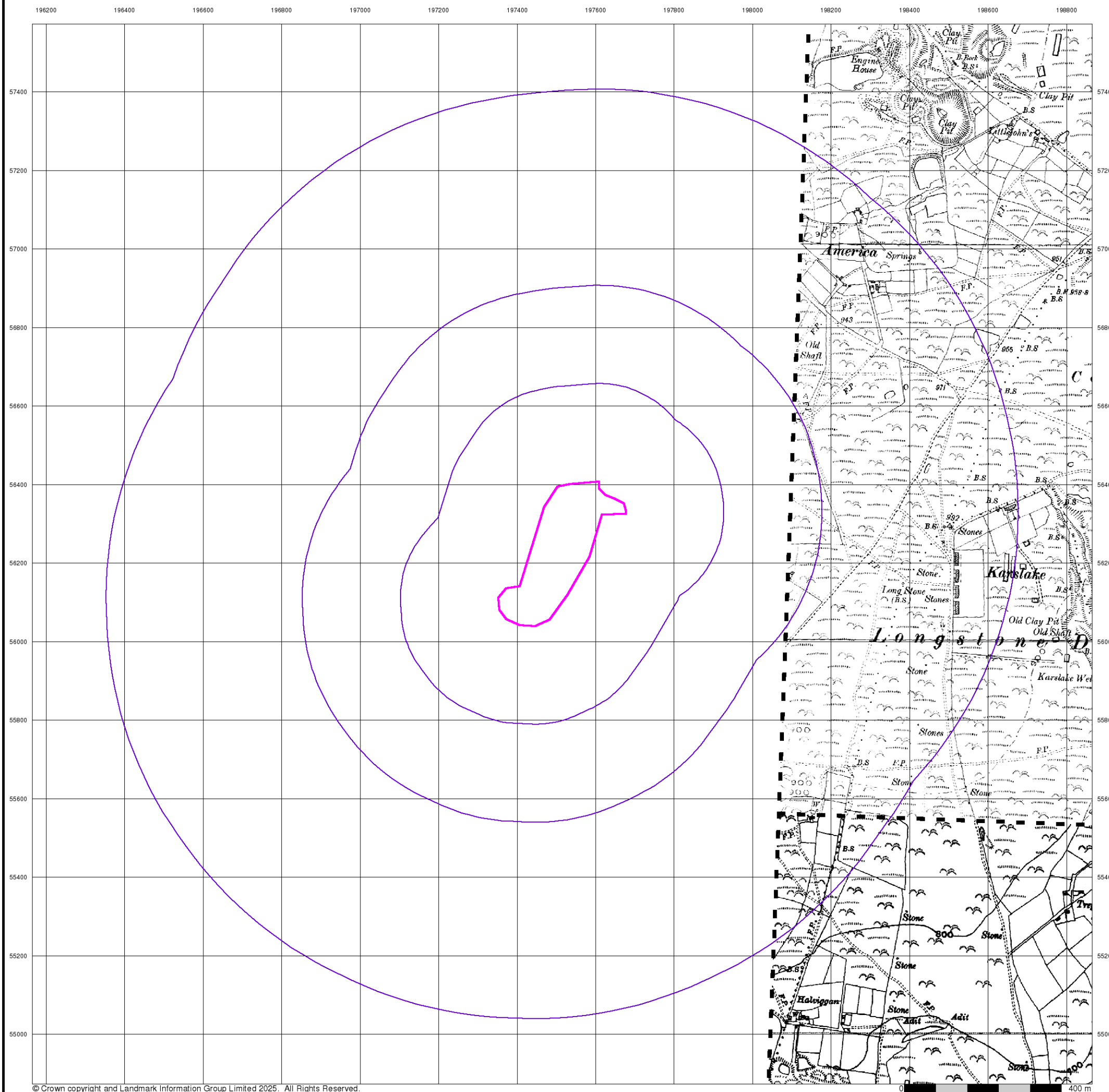


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## Site Details

Dubbers, ST. AUSTELL



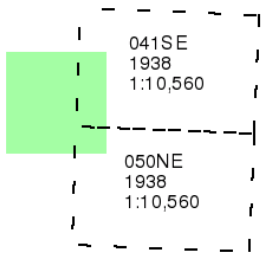
## Cornwall & Isles Of Scilly

**Published 1938**

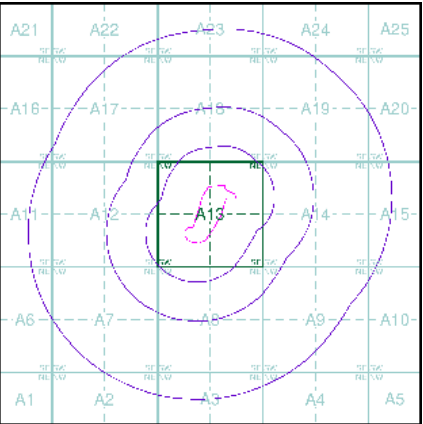
**Source map scale - 1:10,560**

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



## Historical Map - Slice A



## Order Details

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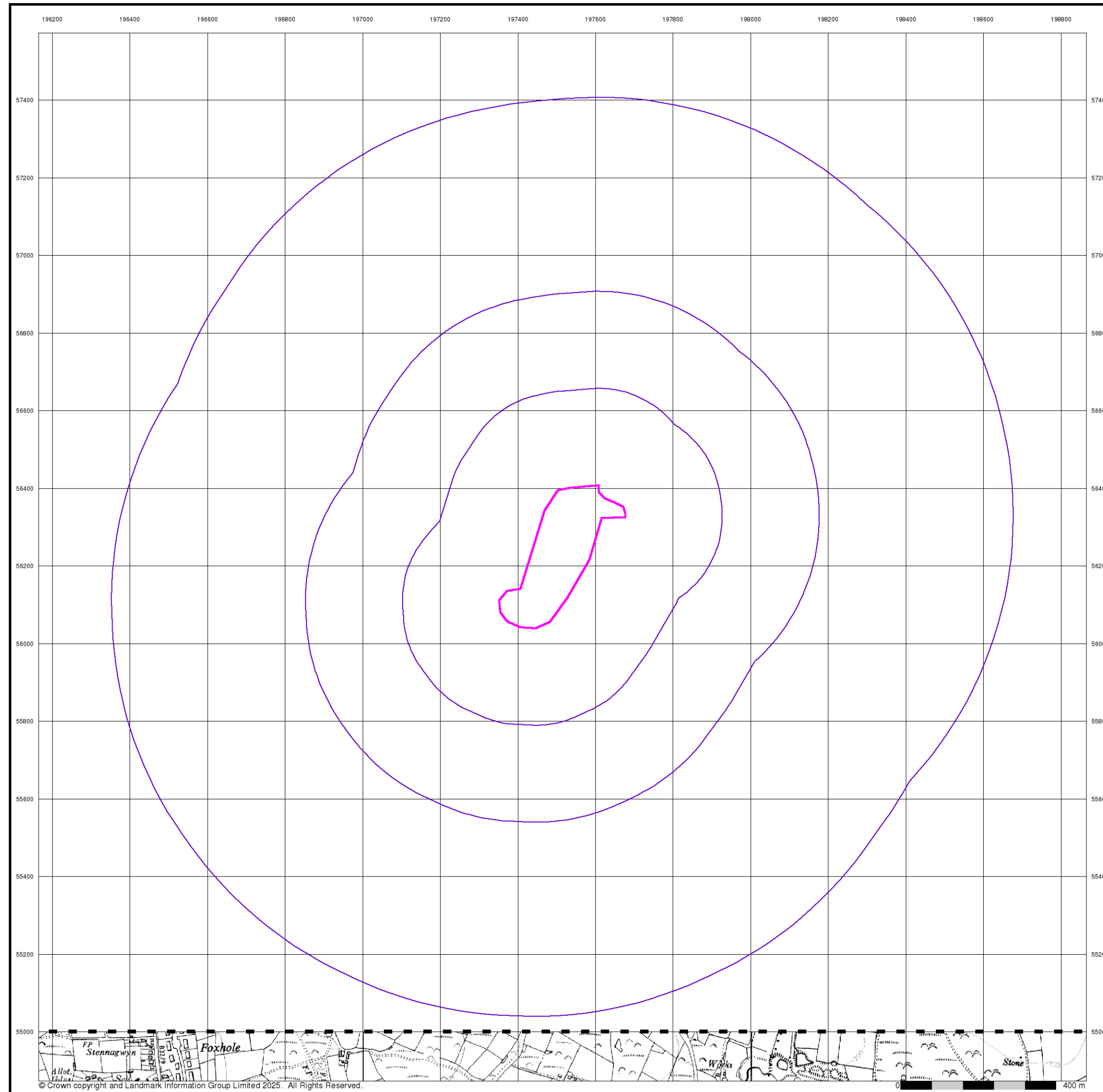
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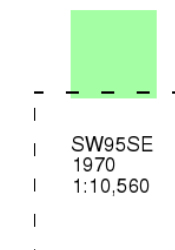
## Ordnance Survey Plan

Published 1970

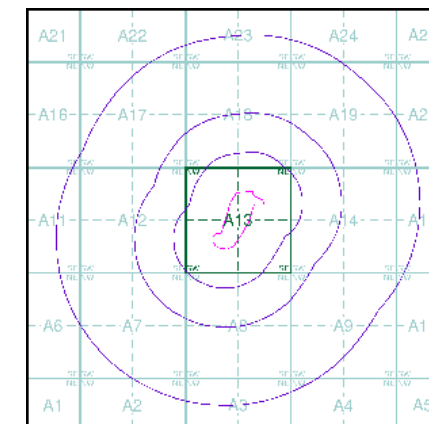
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### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

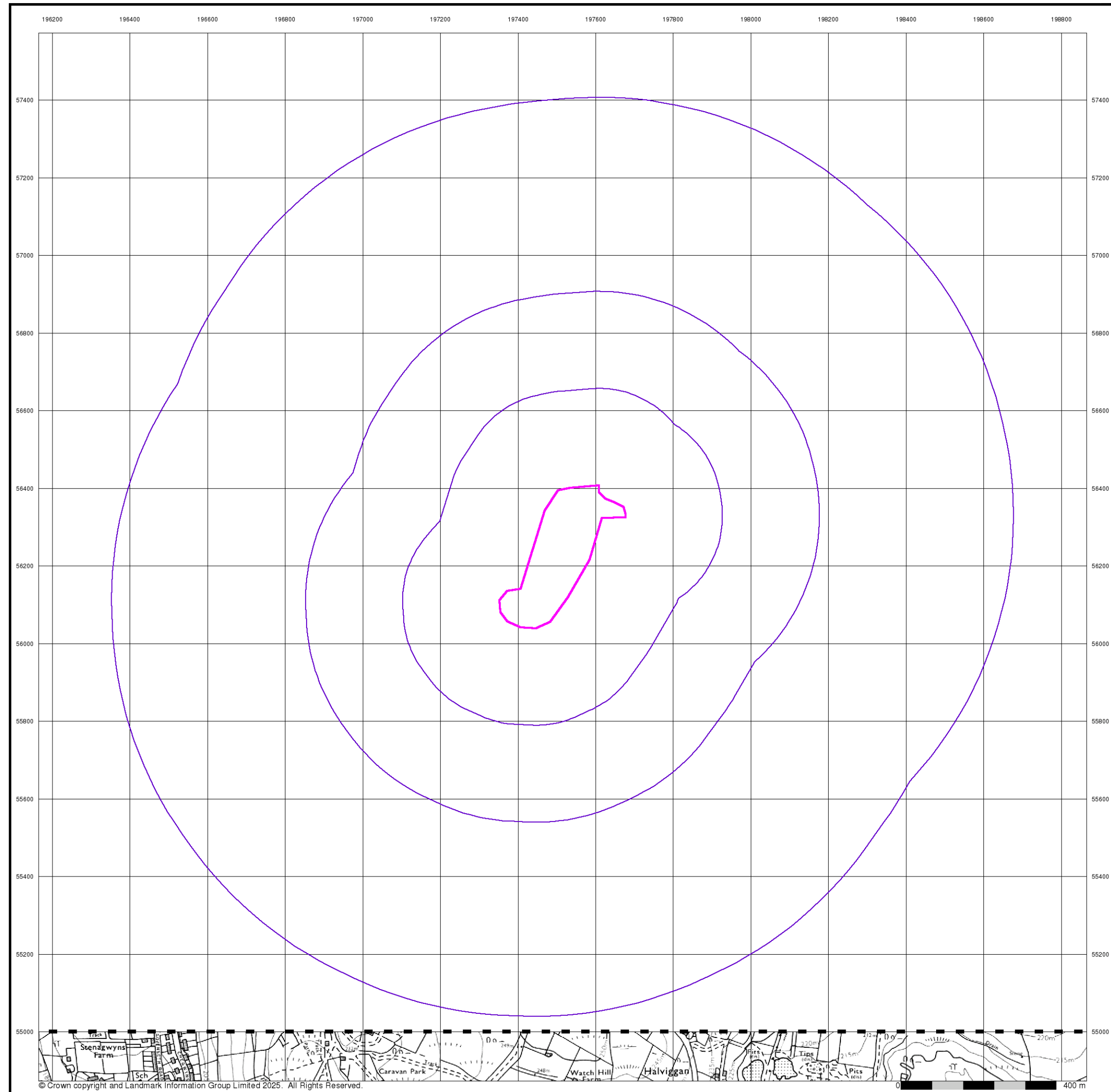
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Slice: A  
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Search Buffer (m): 1000

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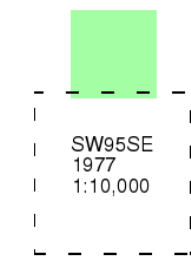
## Ordnance Survey Plan

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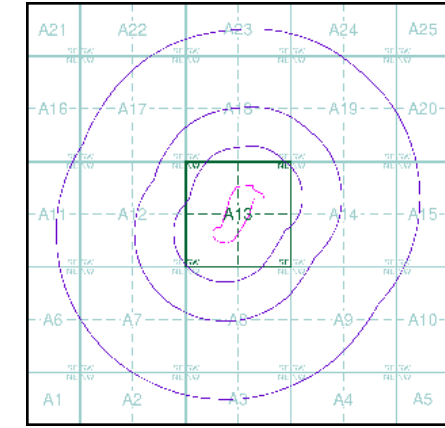
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### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

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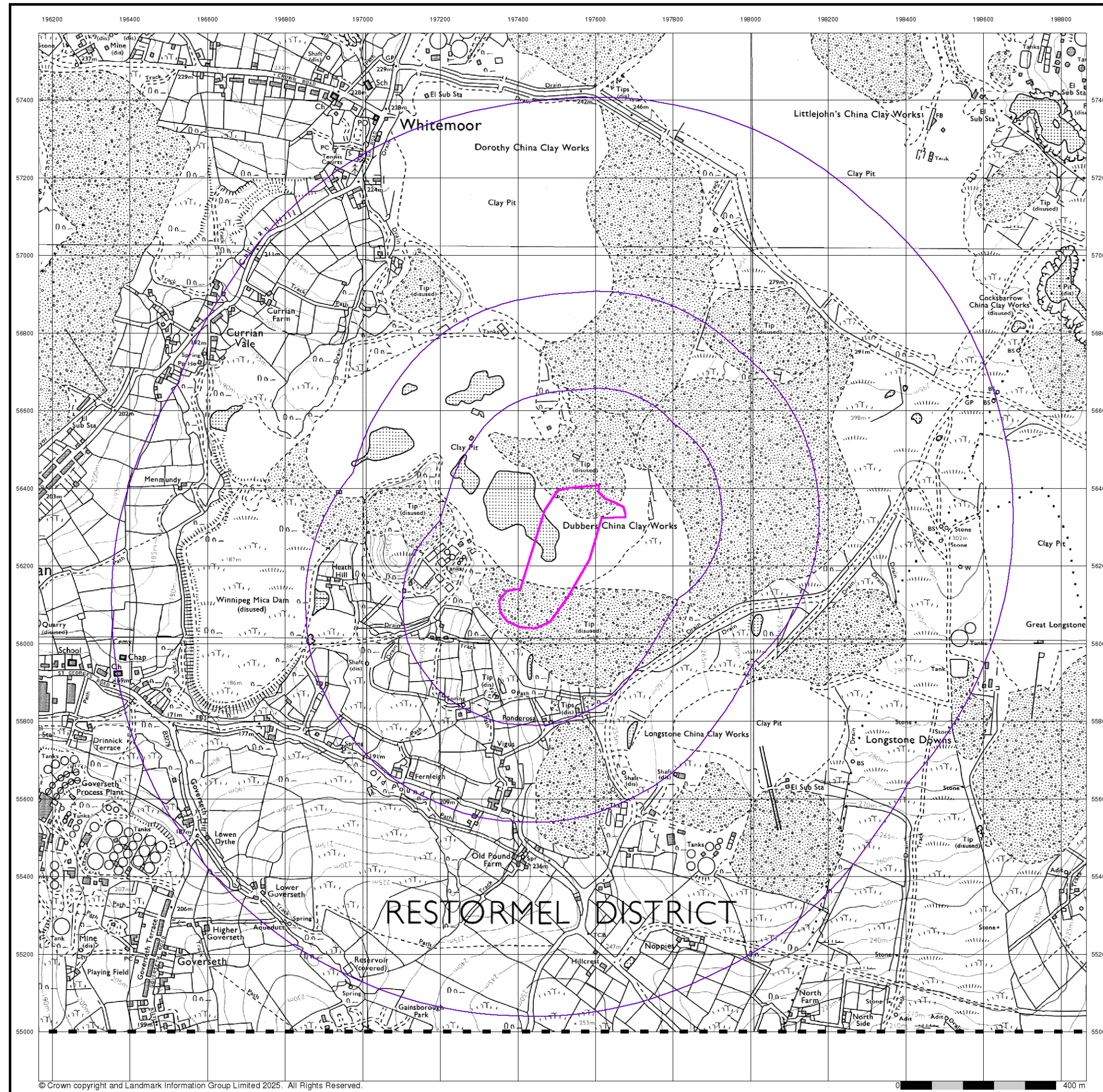
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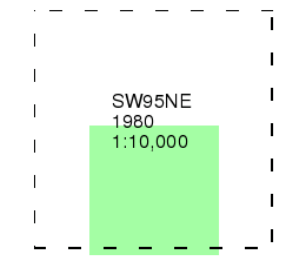
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### Published 1980

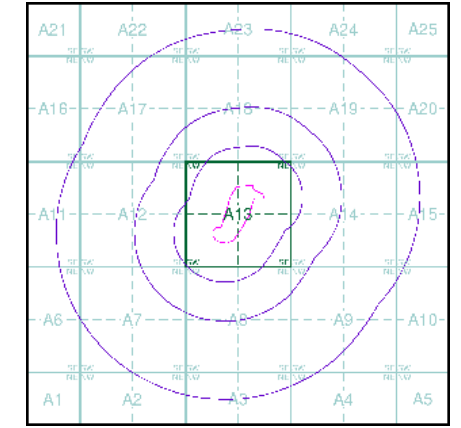
### Source map scale - 1:10,000

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)



### Historical Map - Slice A



### Order Details

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 1000

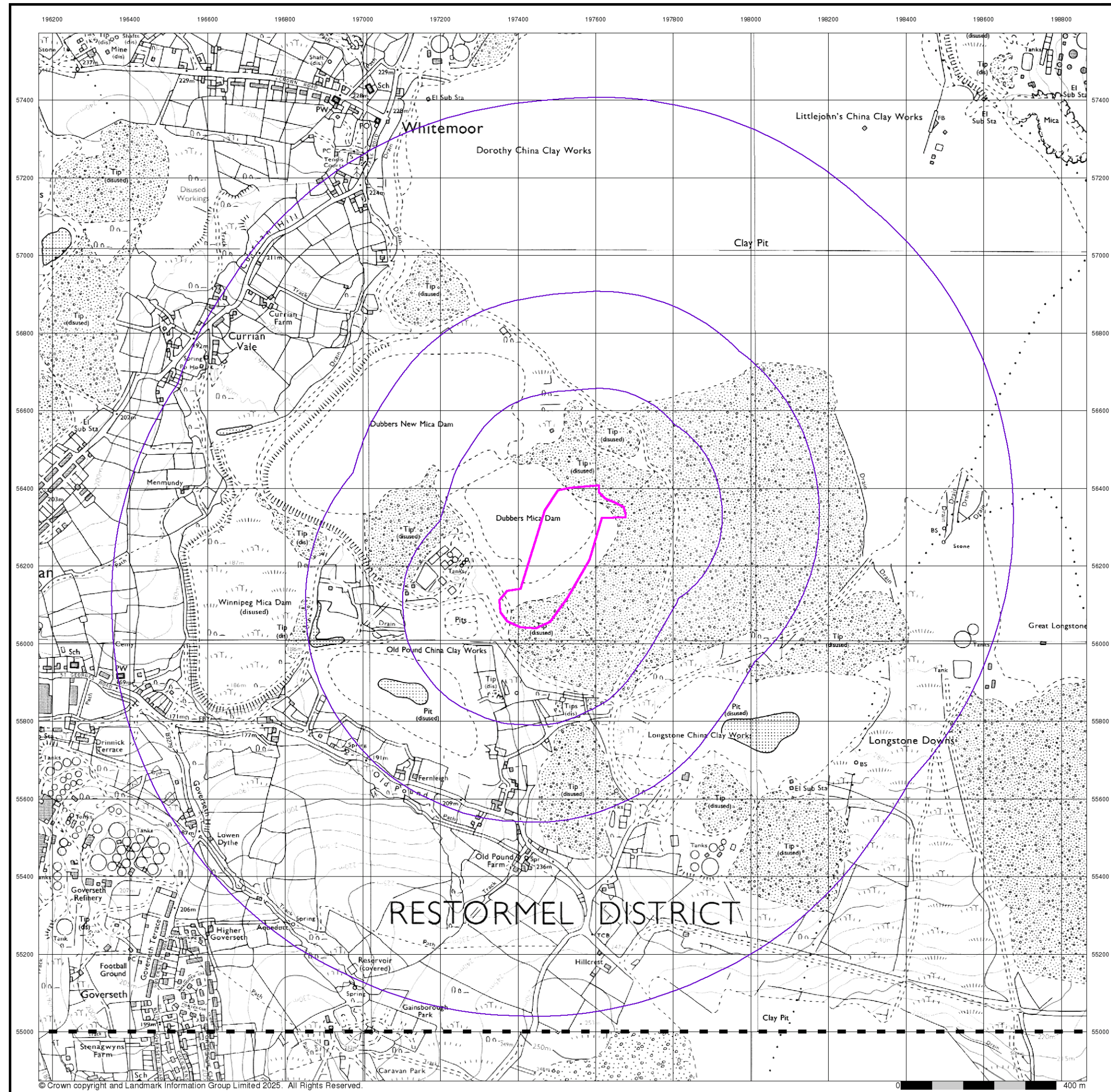
### Site Details

Dubbers, ST. AUSTELL



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





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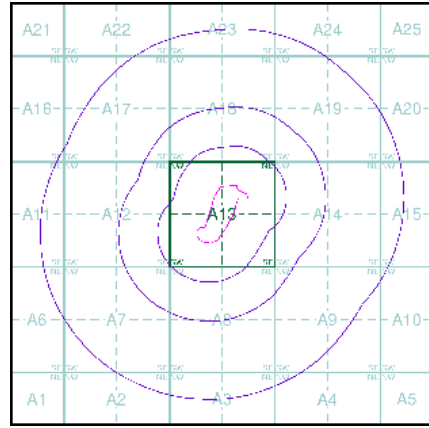
**Ordnance Survey Plan**  
**Published 1992 - 1995**  
**Source map scale - 1:10,000**

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)**

SW95NE	1992
1:10,000	
SW95SE	1995
1:10,000	

**Historical Map - Slice A**



**Order Details**

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 1000

**Site Details**

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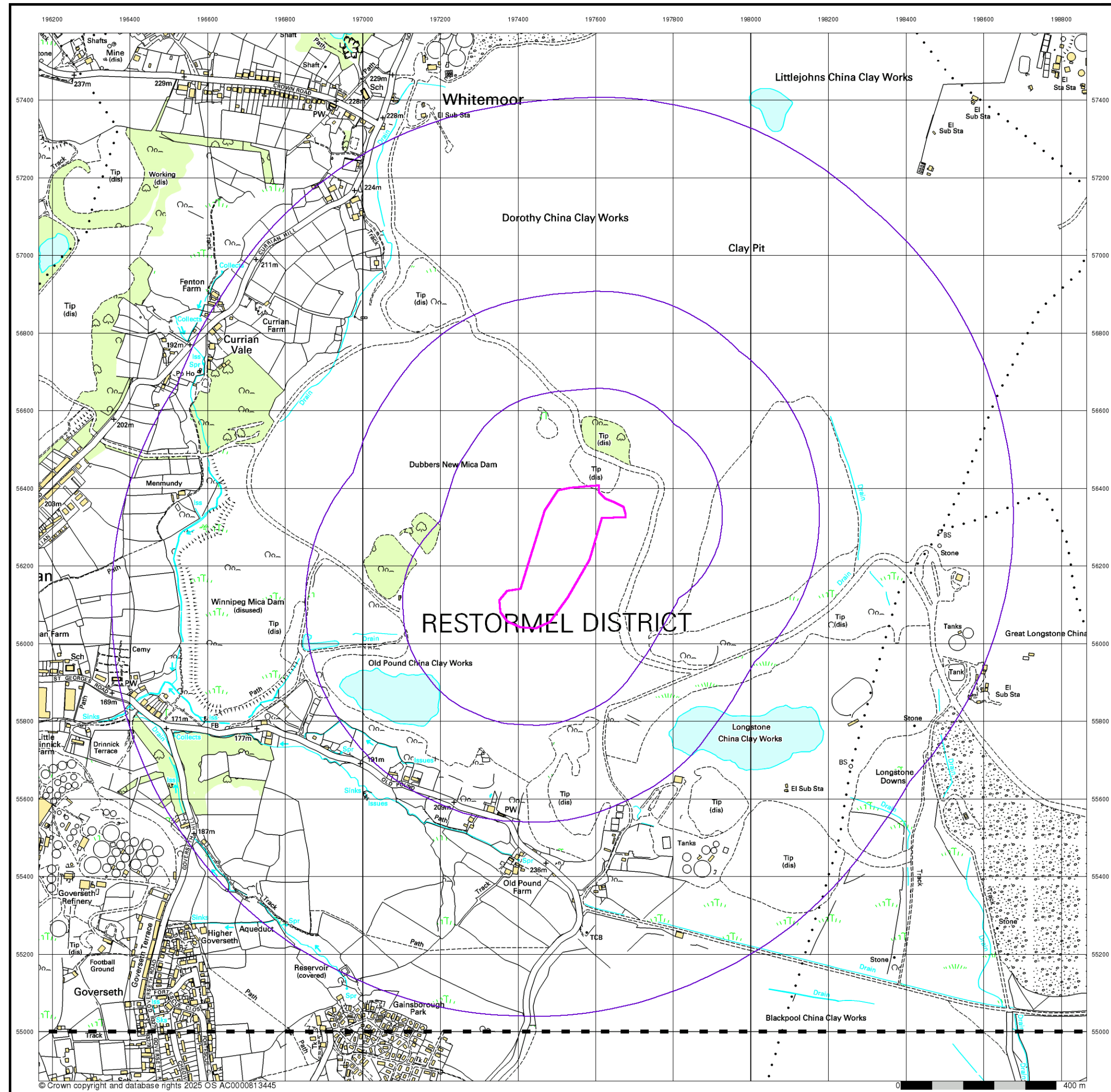


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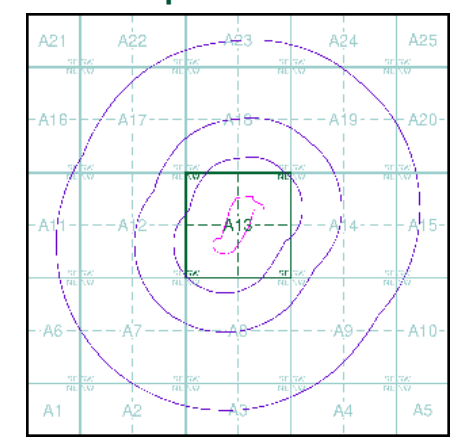
**10k Raster Mapping**  
**Published 2006**  
**Source map scale - 1:10,000**

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

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

SW95NE	2006
1:10,000	
SW95SE	2006
1:10,000	

**Historical Map - Slice A**



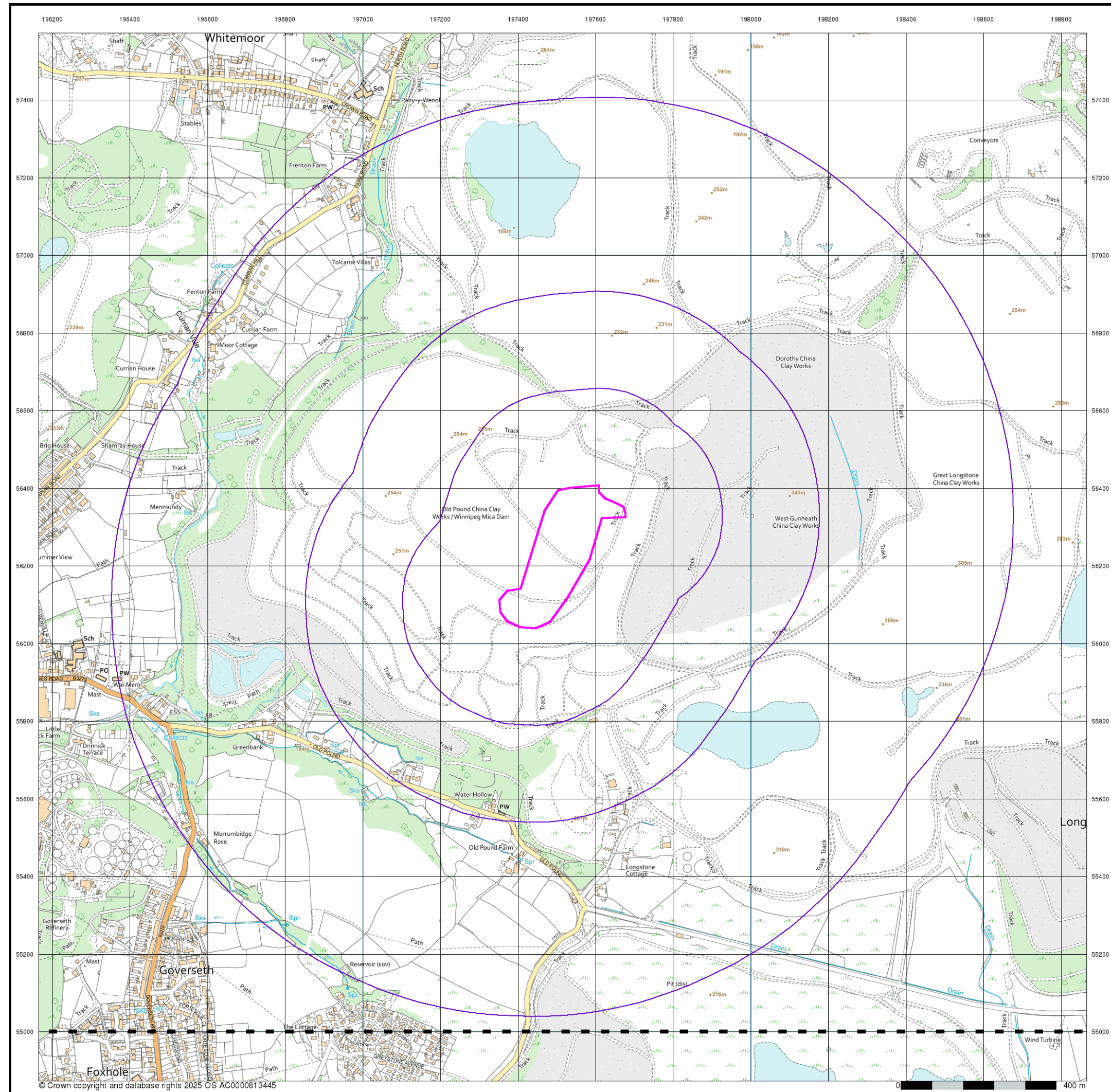
**Order Details**

Order Number:	386322711_1_1
Customer Ref:	22779
National Grid Reference:	197510, 56230
Slice:	A
Site Area (Ha):	5.45
Search Buffer (m):	1000

**Site Details**

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VectorMap Local

Published 2025

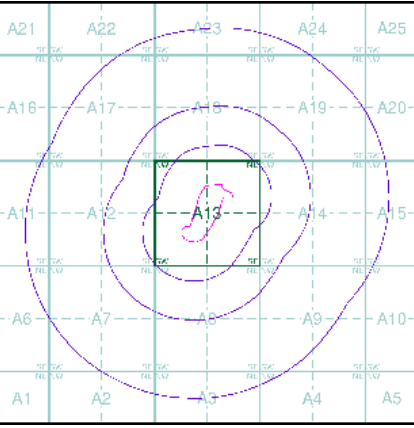
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SW95NE | 2025 | Variable | SW95SE | 2025 | Variable

Historical Map - Slice A



Order Details

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 1000

Site Details

Dubbers, ST. AUSTELL

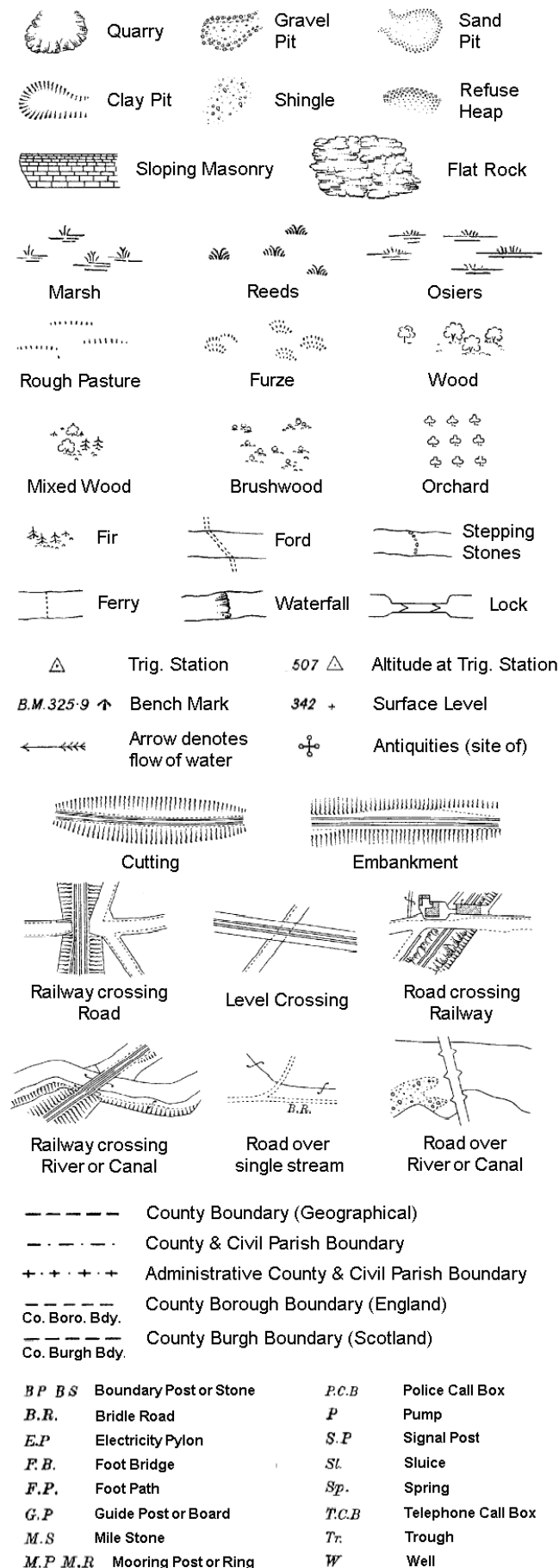


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# Historical Mapping Legends

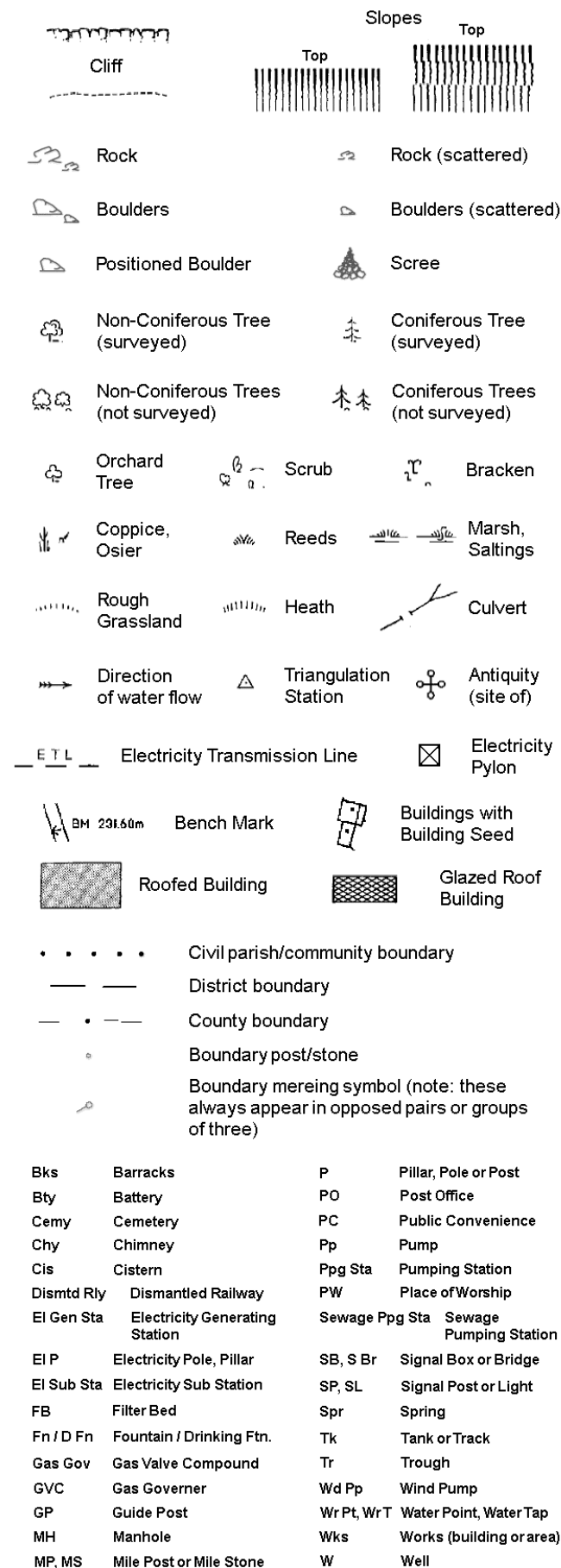
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



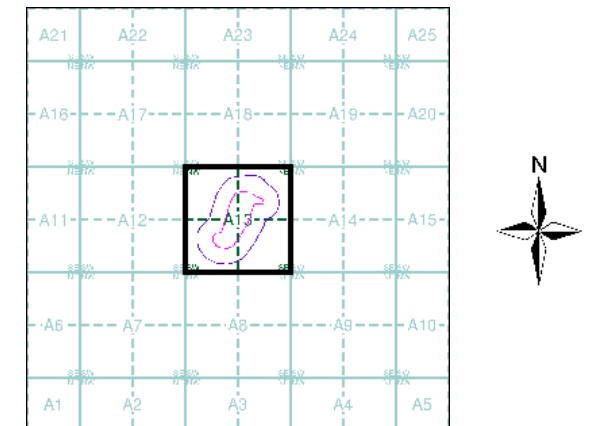
## Large-Scale National Grid Data 1:2,500 and 1:1,250



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cornwall & Isles Of Scilly	1:2,500	1881	2
Cornwall & Isles Of Scilly	1:2,500	1907	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1987 - 1988	5
Large-Scale National Grid Data	1:2,500	1995	6
Historical Aerial Photography	1:2,500	2001	7

## Historical Map - Segment A13

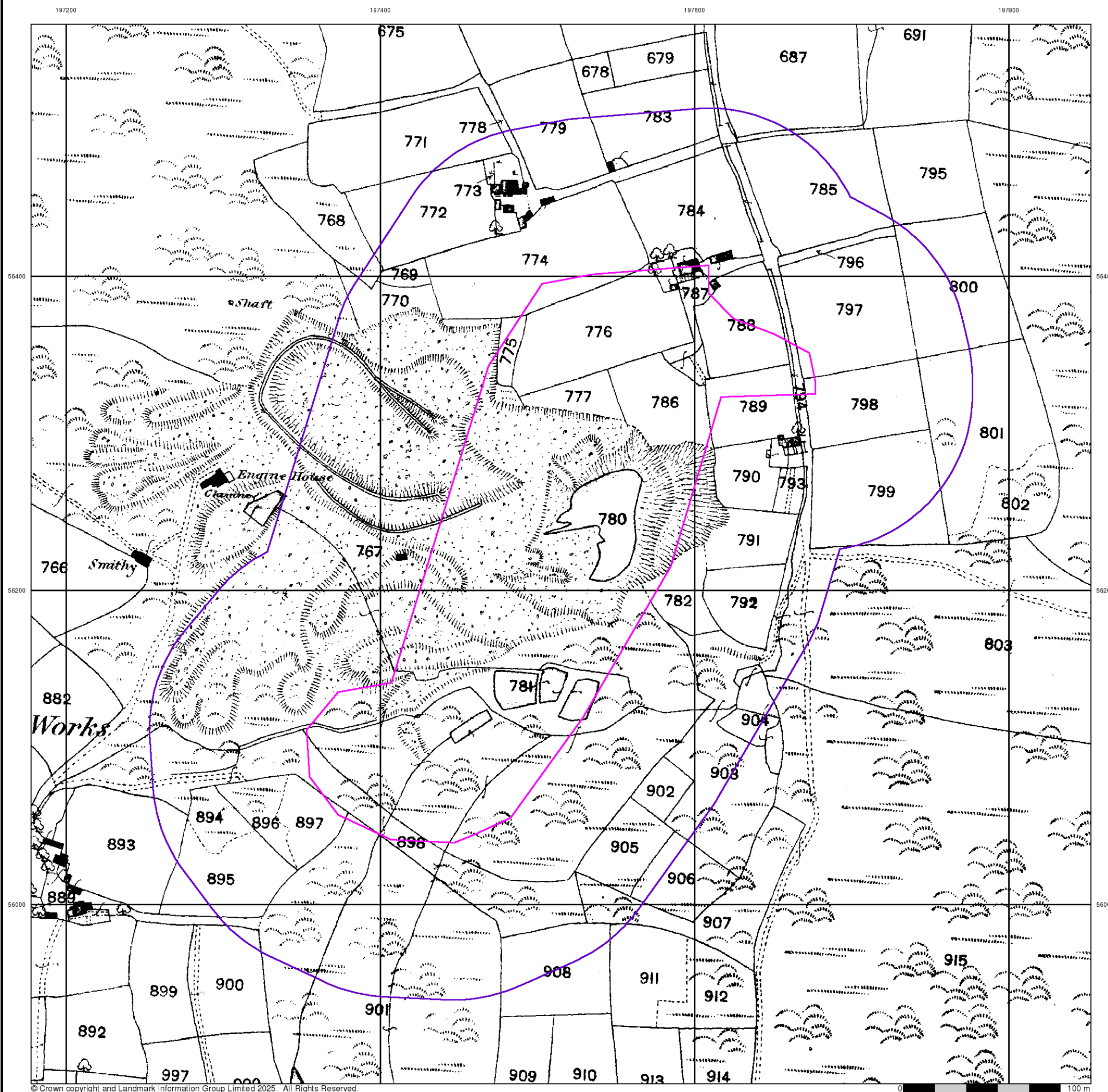


## Order Details

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 100

## Site Details

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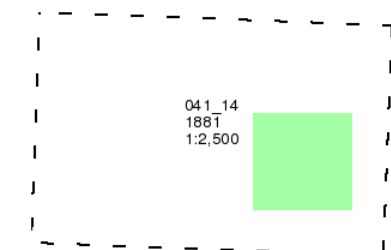
## Cornwall & Isles Of Scilly

**Published 1881**

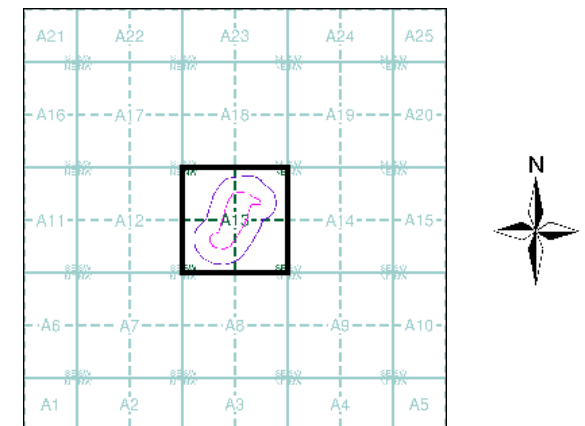
**Source map scale - 1:2,500**

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



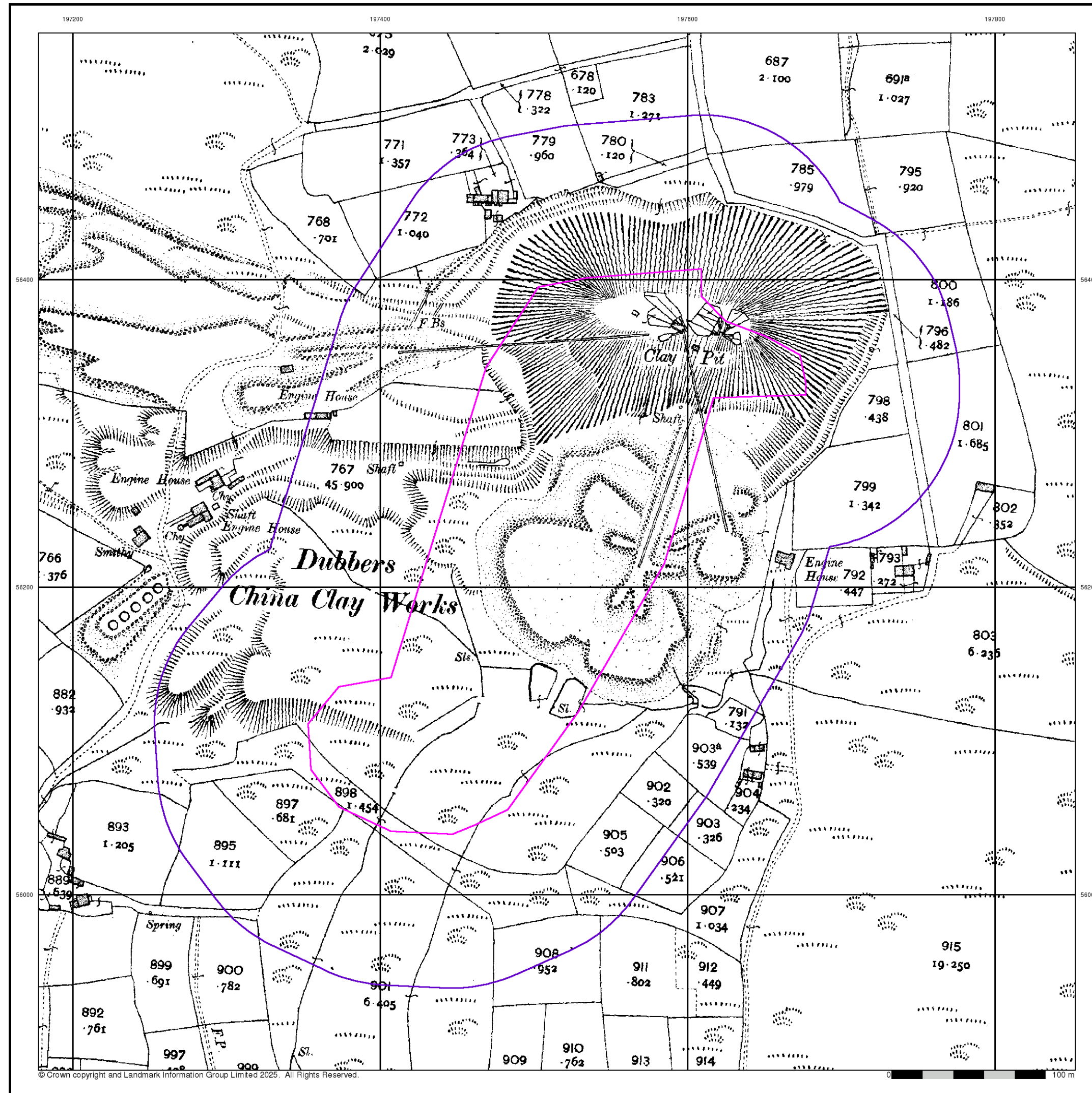
## Order Details

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 100

## Site Details

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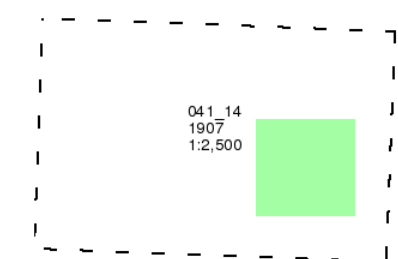




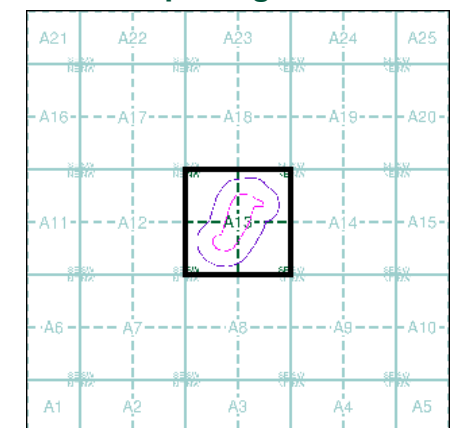
**Cornwall & Isles Of Scilly**  
**Published 1907**  
**Source map scale - 1:2,500**

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**

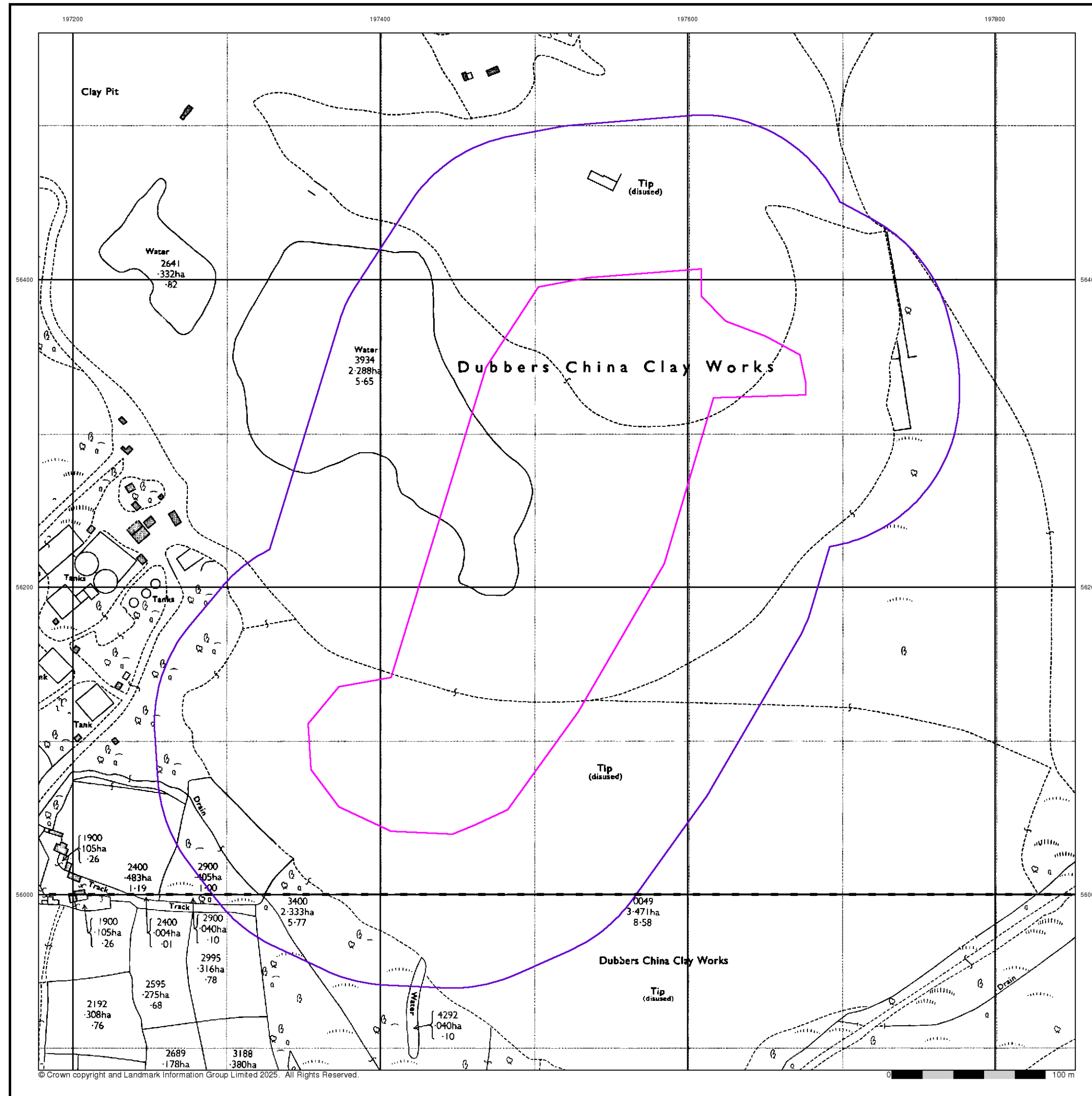


**Order Details**

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 100

**Site Details**

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## Ordnance Survey Plan

Published 1973

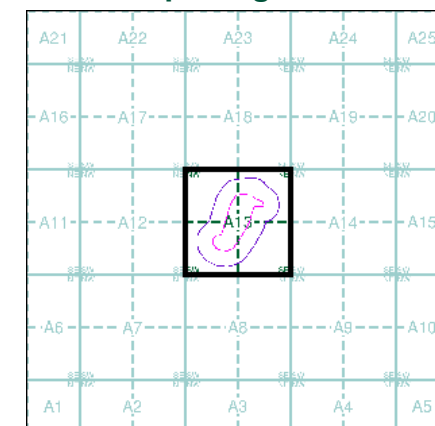
Source map scale - 1:2,500

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)

SW9756
1973
1:2,500
SW9755
1973
1:2,500

### Historical Map - Segment A13

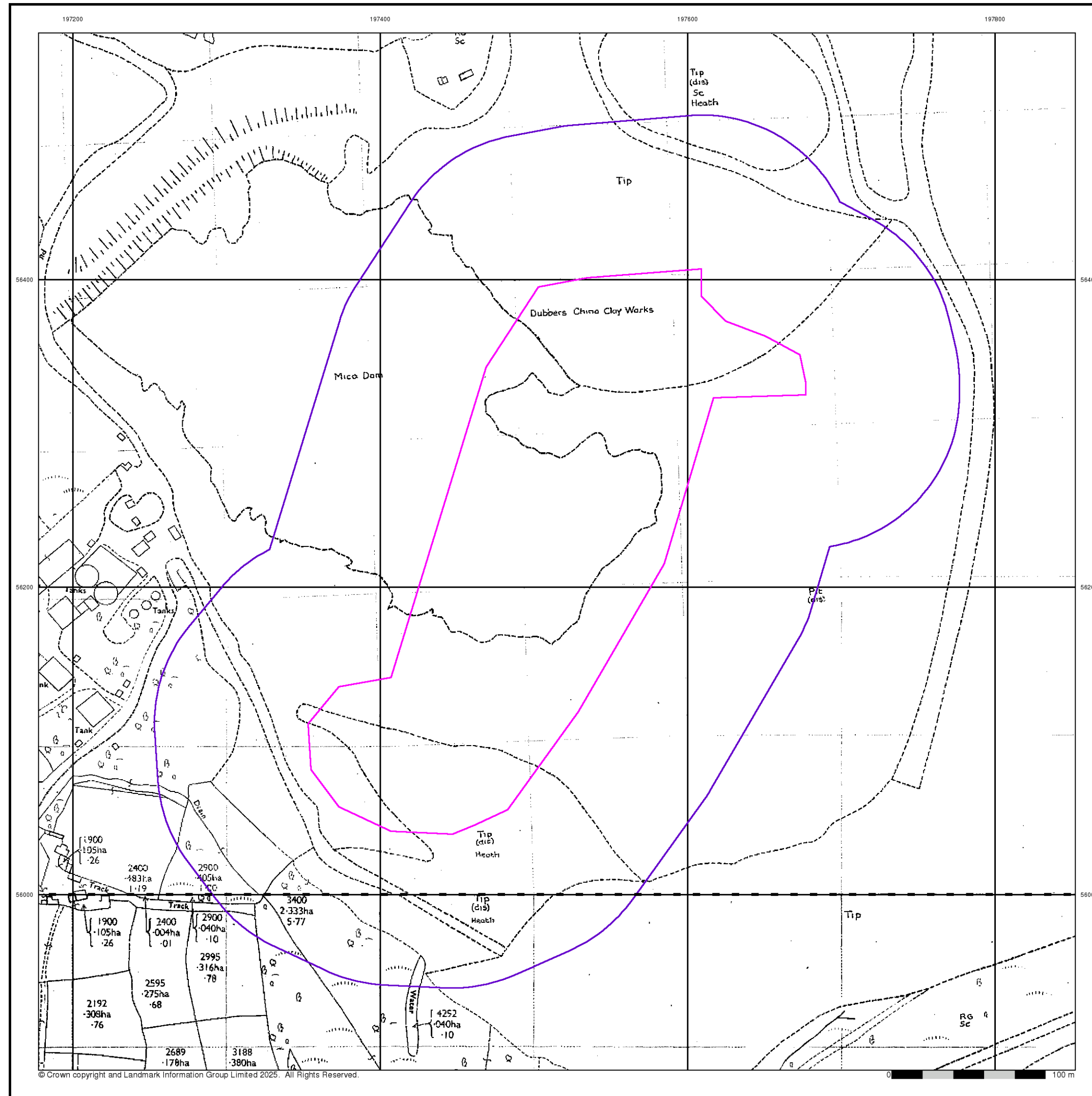


### Order Details

Order Number: 386322711\_1\_1  
 Customer Ref: 22779  
 National Grid Reference: 197510, 56230  
 Slice: A  
 Site Area (Ha): 5.45  
 Search Buffer (m): 100

### Site Details

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## Additional SIMs

Published 1987 - 1988

Source map scale - 1:2,500

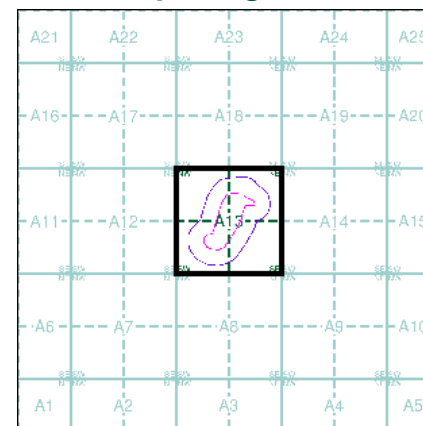
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

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

SW9756  
1987  
1:2,500

SW9755  
1988  
1:2,500

## Historical Map - Segment A13



## Order Details

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 100

## Site Details

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## Large-Scale National Grid Data

Published 1995

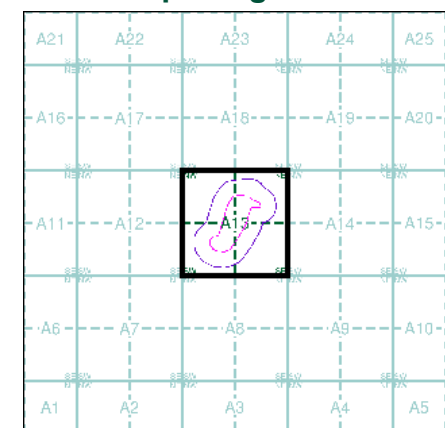
Source map scale - 1:2,500

'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)

SW9756	1995	1:2,500
SW9755	1995	1:2,500

### Historical Map - Segment A13



### Order Details

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 100

### Site Details

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197200

197400

197600

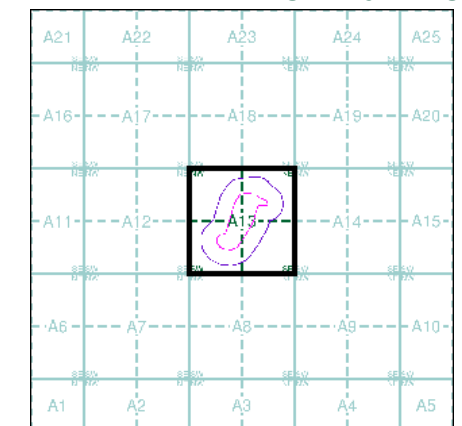
197800

## Historical Aerial Photography

**Published 2001**

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

### Historical Aerial Photography - Segment A13

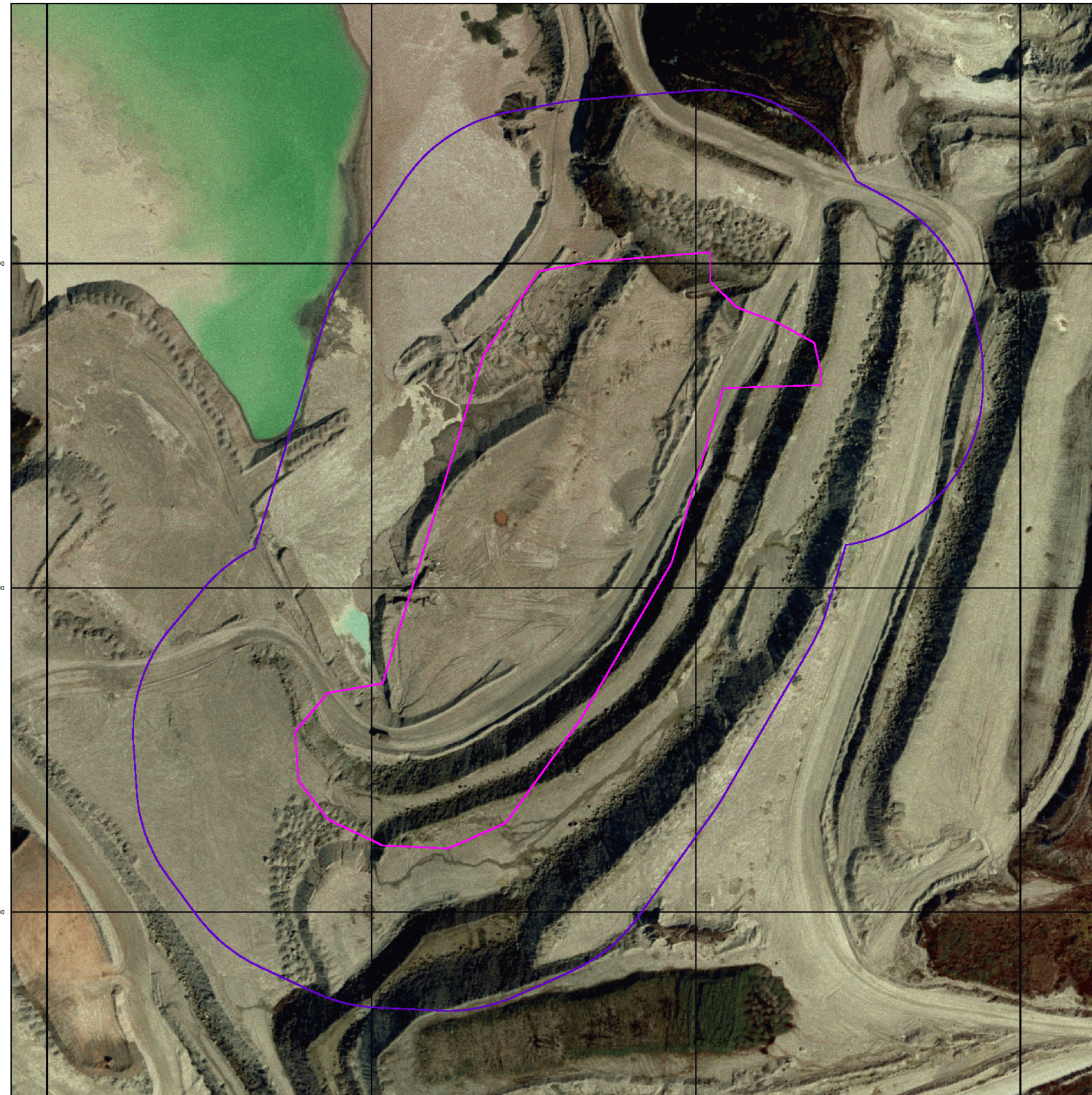


### Order Details

Order Number: 386322711\_1\_1  
Customer Ref: 22779  
National Grid Reference: 197510, 56230  
Slice: A  
Site Area (Ha): 5.45  
Search Buffer (m): 100

### Site Details

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## **APPENDIX D**

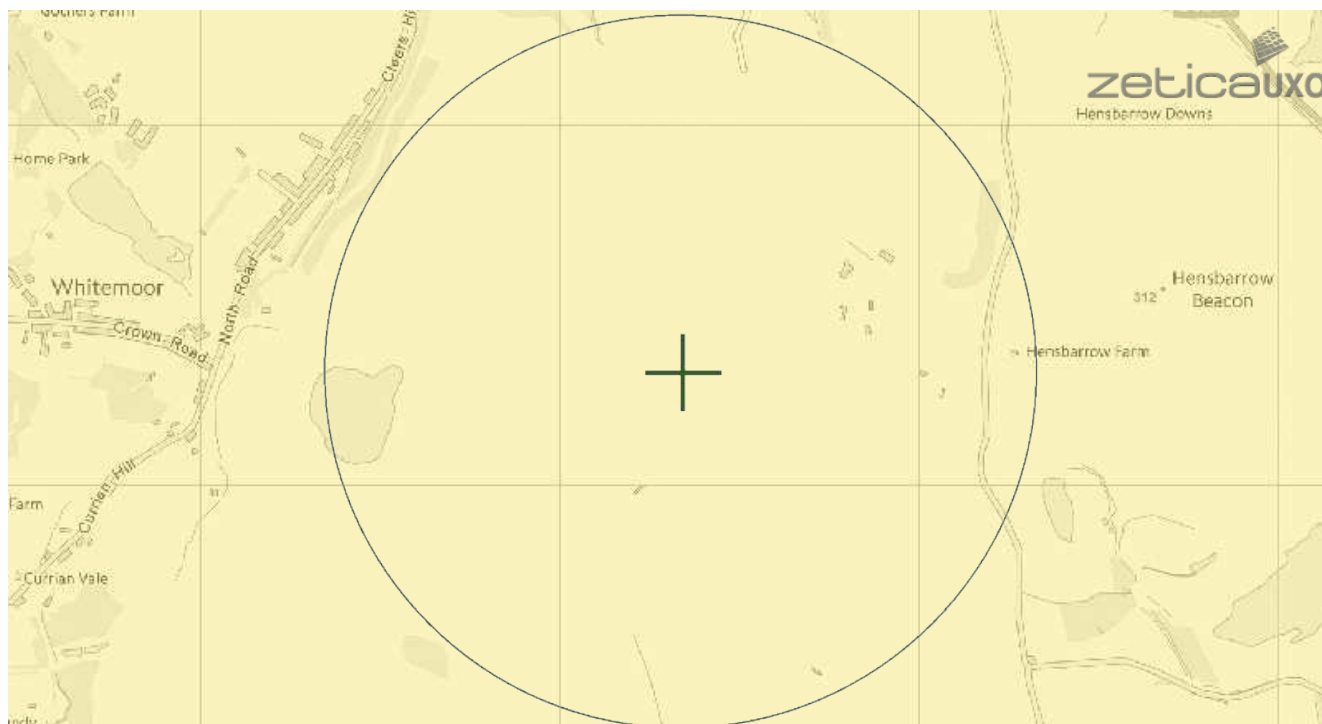
### **UXO Risk Map**

# UNEXPLODED BOMB RISK MAP



## SITE LOCATION

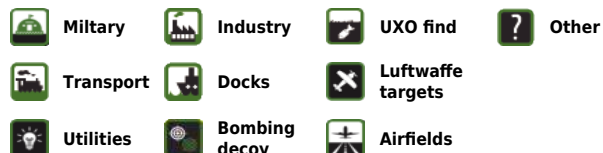
Map Centre: 198305,57321



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

## LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.



## How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

## What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

## If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to [pdsa@zetica.com](mailto:pdsa@zetica.com).

**You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.**

## If I have any questions, who do I contact?

tel: +44 (0) 1993 886682 email: [uxo@zetica.com](mailto:uxo@zetica.com) web: [www.zeticauxo.com](http://www.zeticauxo.com)

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

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## The Phased Approach to Land Contamination

*As set out in Contaminated Land Report 11 - Model Procedures for the Management of Land Contamination, Environment Agency Guidelines*

