



KINGSLEY HOMES LIMITED

Higher Trewid Ic
Truro Road PL25 5FU

PRELIMINARY INVESTIGATION REPORT

Contract: 23171

Date: September 2023

REGISTERED OFFICE

9 BROAD STREET
TRURO CORNWALL
TR1 1JD UK

KARN GEOSERVICES LTD

Registered in the UK & Wales

Company Registration

No. 13414537

PRELIMINARY INVESTIGATION REPORT

carried out at

Higher Trehiddle

Truro Road PL25 5FU

Prepared for

KINGSLEY HOMES LIMITED

Carvynick Holiday Park

Summercourt

Newquay

TR8 5AF

Contract: 23171

Date: September 2023

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EXECUTIVE SUMMARY

The following information provides a summary of the main findings of the investigation (ref: 23171/PIR/ dated September 2023). No reliance should be placed on this summary alone, the referenced report must be read and understood in its entirety to put the information contained herein into context.

Commissioning and purpose of assessment	Karn Geoservices Ltd was commissioned by Kinglsey Homes Ltd to carry out a Preliminary Investigation Report (PIR) at site name and address and grid reference SX 00406 51846. The overall aim of the project was to assess land contamination sources and geotechnical constraints to the proposed development.
DESK-BASED ASSESSMENT	
Site description and proposed development	The site currently comprises agricultural land, occupies an area of 4.49 hectares and is being considered for a residential development of 150 dwellings, with private gardens, areas of communal soft landscaping and associated infrastructure
History of site and surrounding area	The site is agricultural land with no structures or dwellings on the first available map dated 1881. No further changes have been observed on the site until the most recently published map dated 2023.
Geology and environmental setting	The Site is underlain by the Trendrean Mudstone Formation with an Unnamed Igneous Intrusion noted in the north of the site according to published geological data. There is also likely to be made ground associated with the adjacent development and construction of the road.
Geotechnical constraints assessment	The research has identified evidence of potential hazards associated with underlying ground conditions, either natural or man-made, and therefore it is recommended that further work be carried out to confirm the presence, nature or extent of those hazards anticipated to impact on the site.
Initial conceptual site model (CSM) and preliminary risk assessment (PRA)	Potentially complete contaminant linkages identified with a risk estimate of low or above include Made Ground, Potentially Infilled Land, Elevated Heavy Metals, Historical Landfill site and Radon. Uncertainties and data gaps have been identified in the CSM at desk study stage and considered in the design of the intrusive investigation.

Recommendations for further work	<p>The following scope of works is suggested in order to collect the required data:</p> <ul style="list-style-type: none">• The sinking of exploratory holes for the recovery of samples for geotechnical and chemical contamination analysis.• The installation and monitoring of gas and groundwater monitoring standpipes.
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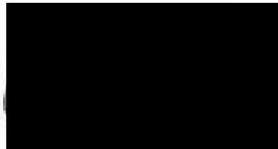
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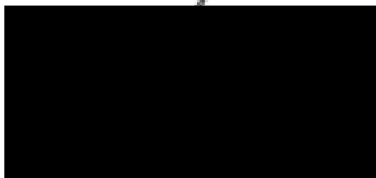
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1.0 INTRODUCTION

1.1 General

On the instructions of CAD Architects Ltd consulting engineers to Kinglsey Homes Ltd a Preliminary Investigation in the form of a desk study and site reconnaissance has been carried out in order to assess the potential hazards on and adjacent to the site and prepare a risk assessment for further consideration.

The Site boundary and current site layout are shown in Appendix 1, Figures A1.1 and A1.2. The project was carried out to an agreed brief as set out in Karn Geoservices Ltd proposal (Ref. Q0454, dated July 2023).

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

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

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

Any risks identified in this report are perceived risks based on information reviewed. Actual risks can only be assessed following a physical investigation of the site.

This report has been based, in part, on information supplied by others. The report has been prepared on the basis of that information being accurate.

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

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

1.2 Proposed Development

It is understood that it is proposed to develop the site for 150 residential dwellings, with private gardens, areas of communal soft landscaping and associated infrastructure. At the time of reporting no development plan had been provided.

1.3 Objectives

The objective of the work is:

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

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

- review of the history of development on the site and surroundings, including a study of historical Ordnance Survey mapping and other sources of historical information via an environmental database report
- assessment of local geology, hydrogeology and surface water setting, including the identification of potential geological hazards including mining etc.
- assessment of the potential risks from historical mining activities obtained from a historical mining search
- completion of a site reconnaissance survey to assess the visual condition of the site
- development of an initial conceptual site model (CSM) identifying potential contaminant linkages for potential contaminants, completion of a preliminary risk assessment (PRA) and identification of key uncertainties and assumptions in the CSM
- preliminary consideration of geotechnical constraints and hazards
- identification of the need for further action, e.g. intrusive investigations, if any.

2.0 SITE DETAILS

2.1 Site Location

Site location details are presented below in Table 1.

Table 1: Site Location Details

Site name	Higher Trehiddle
Full site address: and postcod	Higher Trehiddle, Truro Road, St Austell, PL25 5FU
National Grid Reference	SX 00406 51846

The site boundary and current site layout are shown in Appendix 1, Figures A1.1 and A1.2. The Site covers an area of c. 4.49 hectares. The site is of irregular shape, comprises of two sections separated by a road currently and is currently occupied by agricultural land.

2.2 Site Walkover and Description

A site reconnaissance survey was completed on 26th July 2023 by Karn Geoservices Ltd. The characteristics of the site observed during the walkover and from current Ordnance Survey maps are summarised in Table 2.

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

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

Table 2: Site Reconnaissance Findings

Feature	Description
Physical characteristics	
Access constraint	The site was open and accessible at the time of the site walk
Site topograph	The Site sloped downwards towards the south
Surface cover	The site was covered entirely by rough grass and ruderal growth. No obvious evidence of hardstanding was noted. A road runs through the west of the site dividing it, although this does not form part of the site itself
Site drainage	There was no evidence of drains or service covers at the time of the site walkover, indicating that the site is free draining into the underlying soils

Feature	Description
Surface water	There are no streams, ponds or drainage ditches on or adjacent to the site.
Trees and hedges	Vegetation present on-site was largely comprised of predominant rough grass and ruderal growth, such as Ragwort, Docks and Brambles along with juvenile and mature trees located within the field hedgerows
Invasive species	Based upon the walkover survey, no obvious evidence of Japanese Knotweed has not been identified on-site. However, it should be noted that a detailed survey of the possible presence or absence of invasive species is outside of the scope of investigation and consideration should be given to commissioning a specialist survey, as necessary
Existing buildings on-site	No buildings are present on-site
Retaining walls and adjacent buildings on or close to site boundaries	Development lies to the north and south of the site. Fields lie to the east and west.
Basements or cellars on-site	No evidence of existing or infilled basements was observed.
Made ground, earthworks and quarrying	A small area of the site may have been used in the past as a compound to facilitate the construction of the adjacent houses or from construction of the road, although any Made Ground is not expected to be of a significant thickness
Potentially unstable slopes on or close to site	None observed
Buried and overhead services present	Overhead services were noted running around the site boundaries: a gas main was indicated to run through the road towards the new development to the south
Surrounding site uses	The site is located in Penwinnick, within a predominantly residential and rural setting. The site lies to the southwest of the town of St Austell.
Environmental characteristics	
Underground/above ground storage tanks and pipework	None observed.
Potentially hazardous materials storage and use	None observed.
Asbestos-containing materials	No obvious asbestos containing materials were observed.
Waste storage	None observed.
Fly-tipping	None observed.

Feature	Description
Electricity sub-stations/transformers	There is an existing sub-station located approximately 42m south of the site.
Evidence of possible land contamination on-site	None observed.
Potential off-site sources of ground contamination	None observed.

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

- Possible Made Ground associated with road construction or adjacent development.

2.3 Historical Maps

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

Table 3: Historical Map Summary

Map, Date and Scale	Site Description	Regional Setting
Cornwall & Isles of Scilly 1881 1:2500	The site is first shown to be agricultural land with no structures or dwellings.	The site is first shown to be in an predominantly agricultural land. Quarries are shown 225m and 315m north of the site. Infrastructure can be seen around the site with the closest roads passing immediately north and west of the site. Sporadic residential dwellings are present, the closest of which is 200m east from the site.
Cornwall & Isles of Scilly 1880 1: 500	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Cornwall & Isles of Scilly 1888 1:1056	There are no significant observable changes to the site since previously published map.	A burial ground is shown 250m west of the site. A church is shown 425m west of the site. The town of St Austell lies 350m east and spreading outwards in an eastern direction.

Map, Date and Scale	Site Description	Regional Setting
Cornwall & Isles of Scilly 1907 1:2500	There are no significant observable changes to the site since previously published map.	Residential dwellings are now s 30m and 150m northeast from the site continuing into the nearby town. Tregoneeves quarry with associated engine house is shown 415m southwest from the site. The quarry previously shown 315m north of the site is now shown as Hills Quarry, with associated Engine House. An additional quarry is located 345m north
Cornwall & Isles of Scilly 1907- 1908 1:10560	There are no significant observable changes to the site since previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
Cornwall & Isles of Scilly 1933 1:2500	There are no significant observable changes to the site since previously published map.	A structure is now shown immediately adjacent to the northeastern boundary, with residential development having taken place to the northwest and northeast of the Trehiddle quarry is now shown immediately southwest of the site.
Cornwall & Isles of Scilly 1933- 1934 1:10560	There are no significant observable changes to the site since previously published map.	Residential and commercial development continues in the town of St Austell, most notably 825m northwest from the site.
Cornwall & Isles of Scilly 1938 1:10560	There are no significant observable changes to the site since previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
Ordnance Survey Plan 1963 1:10000	There are no significant observable changes to the site since previously published map.	A hospital is shown 475m north of the site.
Ordnance Survey Plan 1969- 1977 1:1250	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete and it has therefore been removed from further consideration.
Ordnance Survey Plan 1968- 1969 1:1250	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1968 1:10000	There are no significant observable changes to the site since previously published map.	The partial map shows no significant changes to the surrounding area since the previously published map.

Map, Date and Scale	Site Description	Regional Setting
Ordnance Survey Plan 1970- 1971 1:2500	There are no significant observable changes to the site since previously published map.	Trewiddle Quarry and tip immediately southwest of the site is now shown as disused. A pond is now labelled in the same area. Dense residential development has taken place north at 100m and northeast at 250m. The burial ground 250m west of the site is no longer shown. The structure immediately to the northeast is shown as an Arts Club and Theatre
Ordnance Survey Plan 1970- 1977 1:10000	There are no significant observable changes to the site since previously published map.	Dense residential development has continued to the northwest and west of the site.
Ordnance Survey Plan 1976- 1988 1:1250	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1976 1:1250	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1975- 1976 1:2500	There are no significant observable changes to the site since previously published map.	There are no significant observable changes to the surrounding area since the previously published map.
Ordnance Survey Plan 1977 1:10000	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1984- 1985 1:1250	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1988 1:1250	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1989- 1993 1:2500	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.

Map, Date and Scale	Site Description	Regional Setting
Large Scale National Grid Data 1991 1:1250	The map is largely incomplete it has therefore been removed from further consideration.	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1992- 1995 1:10000	There are no significant observable changes to the site since previously published map	The nearby pond is no longer shown southwest of the site. Residential and commercial development has continued to the north, northeast and east of the site
Ordnance Survey Plan 1994 1:1250	The map is largely incomplete it has therefore been removed from further consideration	The map is largely incomplete it has therefore been removed from further consideration.
Ordnance Survey Plan 1994- 1995 1:2500	There are no significant observable changes to the site since previously published map	The partial map now shows a school 205m west of the site.
Ordnance Survey Plan 2000 1:10000	There are no significant observable changes to the site since previously published map	There are no significant observable changes to the surrounding area since the previously published map.
Aerial Photo 2000 1:2500	The site is shown to be made up of parts of four different agricultural fields with hedged boundaries between.	The site is shown to be in an area of dense residential development to the north and northeast with mainly agricultural fields to the south and west with sporadic residential dwellings around.
Ordnance Survey Plan 2003 1:10000	There are no significant observable changes to the site since previously published map	There are no significant observable changes to the surrounding area since the previously published map.
Ordnance Survey Plan 2006 1:10000	There are no significant observable changes to the site since previously published map	There are no significant observable changes to the surrounding area since the previously published map.
Ordnance Survey Plan 2009 1:10000	There are no significant observable changes to the site since previously published map	The hospital 475m north of the site is no longer shown.
Ordnance Survey Plan 2013 1:10000	There are no significant observable changes to the site since previously published map	There are no significant observable changes to the surrounding area since the previously published map.
Ordnance Survey Plan 2016 1:10000	The most recently published map appears to be to be substantially accurate in comparison to the current setting.	A road is now shown to cross the west of site in a north south direction, with a new residential development located immediately to the south of the site. A new roundabout and road infrastructure have been built immediately to the north of the site. An

Map, Date and Scale	Site Description	Regional Setting
		electricity substation is located 42m south of the site.
Relevant information sources: Historical OS maps <input checked="" type="checkbox"/> Town plans <input checked="" type="checkbox"/> Aerial photographs <input checked="" type="checkbox"/>		

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

2.4 Historical Investigations /Anecdotal Evidence

No previous investigation reports have been provided to KGL at the time of writing.

2.5 Preliminary Unexploded Ordnance Search

A review of publicly available unexploded ordnance (UXO) risk maps indicates that the site is located in an area with low potential for wartime bombs to be present (Zetica, 2023).

2.6 Summary

The site is agricultural land with no structures or dwellings on the first available map dated 1881. No further changes have been observed on the site until the most recently published map dated 2023.

3.0 SITE SETTING

3.1 Geological Setting

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

Bedrock - The majority of the site is underlain by the Trendrean Mudstone Formation, described by the BGS as mudstone and siltstone sedimentary rock formed between 419.2 and 358.9 million years ago during the Devonian period.

The north of the site is underlain by an Unnamed Igneous Intrusion, Devonian to Carboniferous - Microgabbro, described as Microgranitic-rock and trace agglomerate and dolerite. Igneous bedrock formed between 419.2 and 298.9 million years ago during the Devonian and Carboniferous periods.

3.2 Hydrogeological Setting

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

Table 4: Summary of Hydrogeological setting

Condition	Description
Aquifer characteristics	The site is underlain by secondary A aquifer relating to the Trendrean Mudstone Formation and an Unnamed Igneous Intrusion.
Historical implications for Hydrogeology	Not applicable
Licensed groundwater abstraction	The environmental database report indicates that there are no groundwater abstractions within a 250m radius of the site.
Groundwater Vulnerability	The Envirocheck vulnerability map indicates the soil to be high leaching potential. Soils of high leaching potential are soils that readily transmit liquid discharges because they are either shallow or susceptible to rapid bypass flow directly to rock, gravel or groundwater.
Source protection zones	Information available in the Envirocheck report indicates that the site does not lie within a currently designated groundwater Source Protection Zone (SPZ).

3.3 Hydrological Setting

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

Table 5: Summary of Hydrological setting

Condition	Description
Surface watercourses/ features	There are no surface watercourses within 250m of the site.
Surface water abstraction	There are no surface water abstractions identified by the environmental database, within a 500m radius of the site.
Site drainage	No evidence of site drainage was observed.
Preliminary flood risk assessment	The indicative floodplain map for the site ¹ , shows that the site lies within a flood zone 1. This means it has a low probability of flooding from rivers and the sea. The Envirocheck report indicates that the site has a low risk (1 in 1000-year flood extent) of flooding from surface water. The site is not indicated to be at risk of groundwater flooding. A flood risk assessment (FRA) is outside the scope of this report.

¹ information obtained from <https://www.gov.uk/guidance/how-to-use-the-flood-risk-map-for-planning>

3.4 Radon

The British Geological Survey, in conjunction with the Radiation Protection Division of the Health Protection Agency, ref. 8.7, indicates the site to lie within an area where there is a probability of more than 30% of present or future homes being above the action level of 200Bq/m³. As such, the site is classified as a Radon Affected Area.

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

3.5 Soil Geochemistry

The British Geological Survey data indicates the following concentrations of naturally occurring metals to be representative of background levels in natural soil underlying the site. The levels are based on those present in rural soils and are not necessarily representative of levels within Made Ground which may be encountered on site. The site background geochemistry is presented below in Table 6:

Table 6: Summary of background geochemistry

Element	Concentration (mg/t)
Arsenic	25- 35
Cadmium	< 1.8
Chromium	90- 120
Lead	< 100
Nickel	30- 45

4.0 ASSESSMENT OF GEOTECHNICAL RISK

4.1 Geological Constraints

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

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

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

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

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

Potential Hazard	Assessed Risk	Comment
BGS Recorded Mineral Sites	Very low	Closest at 84m southwest.
Mining Instability	Very low	Refer to Appendix 5 and Section 4.2.
Quarrying	Very low	Refer to Appendix 5 and Section 4.2.
Man-Made or Natural Cavities	None	
Collapsible Ground	Very low	The underlying geology is not generally prone to collapse.
Compressible Ground	None	-
Ground Dissolution	None	-
Landslide	None	-

Potential Hazard	Assessed Risk	Comment
Running Sand	None	-
Shrinking or Swelling Clay	None	-
Unconsolidated Made Ground	Very low	There is no evidence for any extensive Made Ground.
Bearing Pressure	Low	Underlying geology should have acceptable bearing capacity.
Aggressive conditions for construction materials	Very low to Moderate	Underlying geology is not known to contain potentially high concentrations of sulphates and sulphides. However, any Made Ground presents a moderate risk.
Shallow or high groundwater table	None	Site is not within an area where structures are at potential risk from high or rising groundwater

4.2 Metalliferous Mining

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

The report details that the site, located on the southern outskirts of St Austell lies within a historic mining area with intensive underground and surface activity.

The property lies to the south west of the Carvath United or West Polmear mining sett with Polgooth Mine to the south west. Carvath was reputed to have produced tin in 1785 when the mine had been known as Wheal Change. Polgooth Mine worked a rich tin deposit from an early period. The mine produced substantial tonnages of tin during the 17th Century when it also possessed its own smelting works. Polgooth intermittently worked until the late 19th Century but generally ceased by 1894.

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

- As can be seen there are no recorded metalliferous mining features in the immediate vicinity of the property.
- It is indicated, a lode structure lies some 350 metres to the west of the property. The exact location of the lode is unknown, it is also possible that this feature is a hypothetical representation or is barren of mineralisation and

unworked in the immediate vicinity. Although significant and extensive workings would not be expected, very often these features may indicate the presence of early and unrecorded trial or exploratory workings.

- Gover Mine lies approximately 900 metres to the northwest of the properties north western boundaries.
- Polgooth Mine lies some 970 metres to the south of the properties southern boundaries.
- Small disused quarries surround and are found within the search plan area, the nearest example being located some 75 metres to the west of the properties south western boundary, and while these features are not confirmed, or in this instance believed to be mining related, very often within mining areas old abandoned mining features were later recorded as quarries, wells or ponds.
- Early Ordnance Survey plans show the site of the property to be undisturbed by any surface signs of past metalliferous mining activity.
- There is no evidence of deep underground workings in the immediate vicinity of the property although the presence of early shallow workings cannot be entirely ruled out.
- It is considered unlikely that future metalliferous mining operations would be carried out within this district.

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

4.3 Conclusions of Geotechnical Risk Assessment

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

5.0 ENVIRONMENTAL SEARCHES

5.1 Potential Sources of Contamination

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

Table 8: Summary of environmental permits, landfills and incidents

Activity	On Site	Off Site (distance / direction)	Detail
Contaminated Land Register Entries	None	None within 250m	-
Discharge Consents	None	None within 250m	-
Integrated and Local Authority Pollution Prevention and Controls	None	None within 250m	-
Pollution Incidents to Controlled Waters	None	One between 0-250m	Closest at 247m south related to a Farm Premises: Silage Stores polluting a freshwater stream/river with animal waste/slurry. Dated October 1992.
Prosecutions Relating to Authorised Processes or Controlled Waters	None	None within 250m	-
Registered Radioactive Substances	None	None within 250m	-
Substantiated Pollution Incident Register	None	None within 250m	-
Water Abstractions	None	None within 250m	-
BGS Recorded Landfill Sites	None	None within 250m	-
Historical Landfill Sites	None	One between 0-250m	Closest at 3m southwest relates to Trewiddle Quarry. Last input date December 1981. Type of waste not supplied.
Licensed Waste Management Facilities	None	None within 250m	-
Local Authority Recorded Landfill Sites	None	None within 250m	-
Registered Landfill Sites	None	None within 250m	-

Activity	On Site	Off Site (distance / direction)	Detail
Potentially Infilled Land	One	Two between 0-250m	Entry on site relates to unknown filled ground (Pit, quarry etc). Two remaining entries also relate to unknown filled ground.
Registered Waste Transfer, Treatment or Disposal Sites	None	None within 250m	-
Hazardous Substances	None	None within 250m	-
Explosive Sites	None	None within 250m	-
Contemporary Trade Entries	None	None within 250m	-
Fuel Station Entries	None	None within 250m	-

5.2 Sensitive Land Uses

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

Table 9: Environmentally Sensitive Areas

Feature	Present within 500m of site	Details	Likely pathways from site?
International designation – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	No	-	-
National designation – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	No	-	-
Local designation – Local Nature Reserve	No	-	-
Nearest high sensitivity development, e.g. residential	Yes	Residential development lies to the north and south of the site.	No, a valid pathway is unlikely to exist.
Green Belt	No	-	-
Nitrate Vulnerable Zone	No	-	-

6.0 ASSESSMENT OF GEOENVIRONMENTAL RISK

6.1 General

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

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

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

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

6.2 Potential Sources of Contamination Identified

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

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

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

Table 10: Potential Sources of soil and groundwater contamination

Potential sources	Contaminants of concern	Viable Pollutant Linkage?	Rationale
On site			
Made ground / Potentially Infilled land	Unknown fill material b potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos	Yes	The Site may have some Made Ground associated with road construction or adjacent development.

Potential sources	Contaminants of concern	Viable Pollutant Linkage?	Rationale
On site			
Elevated heavy metals associated with the local geology	Toxic and phytotoxic metals	Yes	The Envirocheck report geochemistry indicates that there are potentially elevated levels of naturally occurring toxic and phytotoxic metals in soils underlying the sit
Off site			
Historical Landfill Site - 3m south west	Unknown fill material b potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos. Inert/ commercial/ constructio waste.	Yes	The type of wast received is not listed, as such it may have adversely affected the site.
Electricity Substation 42m south	Petroleum hydrocarbon: fuel additives, PCBs, chlorinated solvents, asbestos	No	The electricit' substation is first indicated in 2023, several years after the PCB ban came into effect, Given the distance, topography and low mobility of contaminants it is unlikely to have adversely affected the site.
Old Quarries 3m southwest 225m north 315m north 345m north 415m southwest	Unknown fill material b potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos.	No	Historical mappir indicates these features relate to the old quarries located southwest and north of the site. The material is likely to comprise soil and stones to have infilled the quarries which significantly reduces the overall ris .

Pollution Incident to Controlled Waters 247m south	Toxic and phytotox metals, microorganisms (e.g E.coli, salmonella)	No	The incident is date October 1992. Given the time since the incident is unlikely to have adversely affected the site
---	--	----	--

6.3 Ground Gas Generation Potential

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

Table 11: Potential ground gas sources

Potential sources	Indicative ground gas generation potential (CIEH, 2008)	Viable Pollutant Linkage?	Additional information
On- site			
Radon	High	Yes	The guidance recommend that radon protective measures are required within in the proposed development
Made ground with low degradable organic content (e.g. up to 5% organic material and no easily degradable waste)/ Potentially Infilled land	Negligible	No	A significant amount of putrescible material is not anticipated. Any Made Ground is likely to comprise reworked natural ground with some anthropogenic components, it has therefore been assigned a low risk.
Off- site			
Historical Landfill Site - 3m south west	Moderate	Yes	Given the nature and distance to the Historical Landfill Site, it is considered to pose a risk to the development.
Old Quarries 3m southwest 225m north 315m north 345m north 415m southwest	Negligible	No	The material used to infill these features likely to comprise soil and stones which significantly reduces the overall risk.

6.4 Potential Pathways Identified

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

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

6.5 Preliminary Risk Assessment

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

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

Table 12: Risk estimation for potentially complete contaminant linkages

Potential source	Potential receptor	Possible Contaminants	Likelihood	Severity	Potential risk	Justification
Made ground / Potentially Infilled land	Human health, Controlled waters, Structures & services, Ecological systems	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos	Likely	Medium	Moderate risk	Phase II ground investigation to confirm ground conditions along with chemical testing prior to facilitate a generic quantitative risk assessment.
Elevated heavy metals associated with the local geology	Human health, Controlled waters, Structures & services, Ecological system	Toxic and phytotoxic metals	Likely	Medium	Moderate risk	
Historical Landfill Site	Human health, Controlled waters, Structures & services, Ecological systems	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos. Inert/ commercial/ construction waste.	Likely	Medium	Moderate risk	The installation and monitoring of wells will be required.
Radon	Human health, Structures & services	Radon	Likely	Medium	Moderate risk	Installation of full radon protection measures will be required.

6.6 Summary of Geoenvironmental Risk Assessment

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

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

6.7 Data Gaps / Uncertainties

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

- gaps in available historical OS maps 1938-1963
- there are no previous investigations available for the site, therefore no information on actual concentrations of contaminants in soil or ground gas.

6.8 Consultation

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

- Local Authority. There may be a planning condition regarding contamination and consultation will be required with a designated Contaminated Land Officer within the Environmental Health Department. The Local Authority is generally concerned with human health risks.
- Environment Agency. Where a site is within a groundwater protection zone or has been designated as a special site, the Environment Agency is likely to be involved to ensure that controlled waters are protected.
- National House Building Council, NHBC. Section 4.1 of the NHBC Standards, ref 8.11, requires land management to be addressed. For a new housing development to be approved by the NHBC, any contamination will require remediation accompanied by a validation report.

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

7.0 RECOMMENDATIONS

7.1 Further Work

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

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

- The sinking of exploratory holes for the recovery of samples for geotechnical and chemical contamination analysis.
- The installation and monitoring of gas and groundwater monitoring standpipes.

7.2 Other Considerations

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

7.2.1 Archaeology

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

7.2.2 Ecology

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

7.2.3 Unexploded Ordnance (UXO)

A review of publicly available unexploded ordnance (UXO) risk maps indicates that the site is located in an area with low potential for wartime bombs to be present (Zetica, 2023). It is unlikely that a UXO report would be identified within a planning condition.

8.0 REFERENCES

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

APPENDIX 1

DRAWINGS



Date Drawn: 26/09/2023	Scale: NTS	Title: Site Location Plan
		Project: Higher Trehiddle
		Client: Kingsley Homes Ltd
		Job No.: 23171



Date Drawn:
26/09/2023

Scale: NTS

Title: Aerial Photograph

Project: Higher Trehiddle

Client: Kingsley Homes Ltd


Job No.: 23171

KARN
GEOSERVICES

APPENDIX 2

SITE WALKOVER PHOTOGRAPHS



Date Drawn: 26/09/2023	Scale: NTS	Title: Site Walkover Photographs
		Project: Higher Trehiddle
		Client: Kingsley Homes Ltd
		Job No.: 23171



Date Drawn:
26/09/2023

Scale: NTS

Title: Site Walkover Photographs


Project: Higher Trehiddle

Client: Kingsley Homes Ltd

Job No.: 23171

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GEOSERVICES



Date Drawn: 26/09/2023	Scale: NTS	Title: Site Walkover Photographs
		Project: Higher Trehiddle
		Client: Kingsley Homes Ltd
		Job No.: 23171



Date Drawn:
26/09/2023

Scale: NTS

Title: Site Walkover Photographs

Project: Higher Trehiddle

Client: Kingsley Homes Ltd

Job No.: 23171

KARN
GEOSERVICES



Date Drawn:
26/09/2023

Scale: NTS

Title: Site Walkover Photographs

Project: Higher Trehiddle

Client: Kingsley Homes Ltd

Job No.: 23171

KARN
GEOSERVICES

APPENDIX 3
ENVIRONMENTAL RISK

APPENDIX 3

ENVIRONMENTAL RISK ASSESSMENT

3.1 STATUTORY FRAMEWORK AND DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

The main potential receptors include:

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

The main potential pathways to be considered include:

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

3.2 ASSESSMENT METHODOLOGY

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

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

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

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

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

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

3.3 RISK EVALUATION

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

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

These are defined in the following sections:

3.4 CLASSIFICATION OF CONSEQUENCE

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

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

3.5 CLASSIFICATION OF PROBABILITY

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

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

3.6 COMPARISON OF CONSEQUENCE AGAINST PROBABILITY

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

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

The action required for the classified risks are as follows:

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

APPENDIX 4
ENVIROCHECK REPORT



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

314880203_1_1

Customer Reference:

23171

National Grid Reference:

200460, 51840

Slice:

A

Site Area (Ha):

4.49

Search Buffer (m):

1000

Site Details:

Higher Trewhiddle Farm

Alexanders Avenue

St Austell

PL25 5FS

Client Details:

Miss L Quick

Karn Geoservices Ltd

9 Broad Street

Truro

Cornwall

TR1 1JD



Report Section	Page Number
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Waste	36
Hazardous Substances	-
Geological	40
Industrial Land Use	46
Sensitive Land Use	-
Data Currency	53
Data Suppliers	59
Useful Contacts	60

Introduction

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

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Report Version v53.0



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1		Yes		n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	23
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 7			2	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7				3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8			Yes	
Pollution Incidents to Controlled Waters	pg 8		1		25
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 12				7
River Quality Biology Sampling Points	pg 13				4
River Quality Chemistry Sampling Points	pg 15				3
Substantiated Pollution Incident Register	pg 17				3
Water Abstractions	pg 18				2 (*22)
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 24				102



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 36		1		1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 36			1	
Licensed Waste Management Facilities (Locations)	pg 36			3	1
Local Authority Landfill Coverage	pg 37	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 37	1	1	2	4
Potentially Infilled Land (Water)	pg 38		1		16
Registered Landfill Sites	pg 39			1	
Registered Waste Transfer Sites	pg 39			1	
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
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 43		2	4	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 44	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 44				1
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 45	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 45	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 45	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 45	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 45	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 45	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 46			3	37
Fuel Station Entries	pg 49				1
Points of Interest - Commercial Services	pg 49			1	12
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 50		3	4	5
Points of Interest - Public Infrastructure	pg 51		1	3	9
Points of Interest - Recreational and Environmental	pg 52				4
Gas Pipelines					
Underground Electrical Cables					



Summary

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



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (E)	237	1	200850 51900
1	Discharge Consents Operator: Suez Recycling And Recovery Uk Ltd Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Tregongeeves Quarry, Tregongeeves Lane, St Austell, Cornwall, PL26 7ds Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 301948 Permit Version: 2 Effective Date: 17th December 2012 Issued Date: 17th December 2012 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Groundwater Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	473	2	199910 51570
1	Discharge Consents Operator: Sita Uk Ltd Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Tregongeeves Quarry, Tregongeeves Lane, St Austell, Cornwall, PL26 7ds Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 301948 Permit Version: 1 Effective Date: 19th March 2001 Issued Date: 19th March 2001 Revocation Date: 16th December 2012 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	473	2	199910 51570
1	Discharge Consents Operator: Biffa Environmental Municipal Seviles Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Tregongeeves Quarry (2), Tregongeeves Lane, St Austell, Cornwall, PL26 7ds Authority: Environment Agency, South West Region Catchment Area: Not Supplied Reference: 301960 Permit Version: 2 Effective Date: 17th December 2012 Issued Date: 17th December 2012 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge Environment: Land/Soakaway Receiving Water: Groundwater Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	512	2	199870 51560
1	Discharge Consents Operator: Restormel Borough Council Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Tregongeeves Quarry (2), Tregongeeves Lane, St Austell, Cornwall, PL26 7ds Authority: Environment Agency, South West Region Catchment Area: Not Supplied Reference: 301960 Permit Version: 1 Effective Date: 19th March 2001 Issued Date: 19th March 2001 Revocation Date: 17th December 2012 Discharge Type: Sewage And Trade Combined - Unspecified Discharge Environment: Land/Soakaway Receiving Water: Groundwater Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	512	2	199870 51560



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Technical Officer Property Type: Not Given Location: Finnings Plant , Maintenance Work-Shops, Bridge Road, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: NRA-SW-2419/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 5th December 1990 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	532	2	200910 52320
3	<p>Discharge Consents</p> <p>Operator: Pondhu J & I School Property Type: Not Given Location: Pondhu J & I School, Land Adj Restormel Borough Council, Penwinnick Road, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: NRA-SW-2490/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 9th January 1991 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell White River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	601	2	201200 52000
4	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Woodside St Austell Ps, St Austell, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-1701 Permit Version: 1 Effective Date: 30th October 1989 Issued Date: 30th October 1989 Revocation Date: 1st October 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Gover Stream Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A17NE (NW)	811	2	200100 52700
5	<p>Discharge Consents</p> <p>Operator: Mr A Bevitt Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Barn Little Gover Farm, Gover Road, St Austell, Cornwall, PL25 5ra Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: Nra-Sw-7646 Permit Version: 1 Effective Date: 20th November 1995 Issued Date: 20th November 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A23SW (N)	932	2	200180 52860



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Camel Developments Ltd Property Type: Wooden Containers Location: Land Off Grove Road Tre, Nance , ST AUSTELL Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: NRA-SW-2822/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 23rd May 1991 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A19NW (N)	965	2	200860 52840
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294/Sf/01 Permit Version: 1 Effective Date: 18th December 1996 Issued Date: 18th December 1996 Revocation Date: 29th April 2001 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: (S) St Austell River Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m</p>	A9SE (SE)	971	2	201150 50955
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294/Ss/01 Permit Version: 1 Effective Date: 18th December 1996 Issued Date: 18th December 1996 Revocation Date: 29th April 2001 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: (S) St Austell River Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m</p>	A9SE (SE)	974	2	201155 50955
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 7 Effective Date: 30th September 2010 Issued Date: 30th September 2010 Revocation Date: 30th March 2011 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River (S) Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	975	2	201150 50950



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae</p> <p>Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 6 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 29th September 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River (S) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	975	2	201150 50950
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae</p> <p>Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 8 Effective Date: 31st March 2011 Issued Date: 25th March 2010 Revocation Date: 30th March 2018 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River (S) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	975	2	201150 50950
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae</p> <p>Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 5 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River (S) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	975	2	201150 50950
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae</p> <p>Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 4 Effective Date: 31st December 2008 Issued Date: 29th March 2005 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River (S) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	975	2	201150 50950



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae</p> <p>Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 1 Effective Date: 30th April 2001 Issued Date: 12th March 2001 Revocation Date: 8th January 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River (S) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	975	2	201150 50950
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae</p> <p>Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 3 Effective Date: 22nd April 2005 Issued Date: 12th March 2001 Revocation Date: 30th December 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River (S) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	975	2	201150 50950
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae</p> <p>Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 2 Effective Date: 9th January 2003 Issued Date: 12th March 2001 Revocation Date: 21st April 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River (S) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	975	2	201150 50950
7	<p>Discharge Consents</p> <p>Operator: South West Water Services Ltd. Property Type: Not Given Location: Menagwins STW, Settled Emergency Storm Overflow, ST AUSTELL, Cornwall</p> <p>Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: NRA-SW-0655/7 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 5th January 1989 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Crude Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9SE (SE)	975	2	201150 50950



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: St Austell Wwtw (Menagwins) Pentewan Road, Tregorrick, St Austell, Cornwall, PL26 7ae Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294 Permit Version: 9 Effective Date: 31st March 2018 Issued Date: 22nd March 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	978	2	201170 50960
7	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: Sewage Disposal Works Location: St Austell (Menagwins) Stw , ST AUSTELL , Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: 031294/SF/01/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 18th December 1996 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9SE (SE)	978	2	201155 50950
7	<p>Discharge Consents</p> <p>Operator: South West Water Services Ltd. Property Type: Not Given Location: Menagwins STW, Settled Storm Overflow, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: NRA-SW-0655/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 5th January 1989 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9SE (SE)	979	2	201150 50945
7	<p>Discharge Consents</p> <p>Operator: South West Water Services Ltd. Property Type: Not Given Location: Menagwins (St Austell) STW, Storm Overflow, ST AUSTELL Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: NRA-SW-0655/6 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 5th January 1989 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9SE (SE)	982	2	201155 50945



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: South West Water Services Ltd. Property Type: Not Given Location: Menagwins (St Austell) STW, Final Effluent, ST AUSTELL Authority: Environment Agency, South West Region Catchment Area: St. Austell, Cornwall Reference: NRA-SW-0655/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 5th January 1989 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: St Austell River, Licence Status: Lapsed, Revoked Or Cancelled Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9SE (SE)	984	2	201150 50940
8	<p>Integrated Pollution Prevention And Control</p> <p>Name: Sita Uk Limited Location: Cornwall Energy Recovery Centre, Cornwall Energy Recovery Centre, St. Dennis, St. Austell, Cornwall, PL26 8DY Authority: Environment Agency, South West Region Permit Reference: JP3033VD Original Permit Ref: Gp3433gh Effective Date: 12th February 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y</p>	A12SE (SW)	477	2	199919 51550
8	<p>Integrated Pollution Prevention And Control</p> <p>Name: Cornwall County Council Location: St. Austell, Cornwall, PL26 7DS Authority: Environment Agency, South West Region Permit Reference: Lp3636sz Original Permit Ref: Lp3636sz Effective Date: 31st March 2008 Status: Revoked Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (B) Activity Description: Waste Landfilling; Any Other Landfill To Which The 2002 Landfill Regulations Apply Primary Activity: Y</p>	A12SE (SW)	477	2	199919 51550
9	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Somerfield Plc Location: Penwinnick Road, ST. AUSTELL, Cornwall, PL25 5DP Authority: Cornwall Council, Environmental Health Department Permit Reference: R013 Dated: 14th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address</p>	A14NE (E)	624	3	201223 52005
10	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Johnson Cleaners Location: Pentewan Park, Pentewan Road, St Austell, PL25 5bu Authority: Cornwall Council, Environmental Health Department Permit Reference: 151383 Dated: 3rd February 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	776	3	201400 51900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Crystal Dry Cleaners Location: 25 Trinity Street, St Austell, Cornwall, PL25 5LS Authority: Cornwall Council, Environmental Health Department Permit Reference: 150124 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	784	3	201186 52400
	<p>Nearest Surface Water Feature</p>	A13NW (NW)	326	-	200150 52165
12	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Farm Premises: Silage Stores Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Miscellaneous/Other Pollution Type Incident Date: 29th October 1992 Incident Reference: 62005200 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NE (SE)	247	2	200600 51500
13	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Landfill/Waste Disposal Site Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Construction Materials Note: Poor Operational Practise Incident Date: 2nd July 1992 Incident Reference: 62004570 Catchment Area: St. Austell, 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</p>	A19SW (NE)	506	2	200900 52295
13	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Poor Management Control Incident Date: 16th June 1992 Incident Reference: 62004561 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	510	2	200900 52300
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Road (Road Traffic Accident) Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Construction Materials Note: Accidental Spillage/Leakage Incident Date: 5th June 1992 Incident Reference: 62004605 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	521	2	200960 52260
15	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Miscellaneous/Other Pollution Type Incident Date: 3rd April 1994 Incident Reference: 62015093 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	544	2	200800 52400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Domestic & Residential: Private Dwellings Location: Truro Road, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Pollutant: Contaminated Material : Fire Fighting Run Off Note: Not Supplied Incident Date: 20th April 1999 Incident Reference: 35973 Catchment Area: St. Austell, Cornwall Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	576	2	200862 52405
17	Pollution Incidents to Controlled Waters Property Type: China Clay Tips Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Weather Incident Date: 30th May 1993 Incident Reference: 62010032 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	578	2	201200 51900
18	Pollution Incidents to Controlled Waters Property Type: Public Highway Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Weather Incident Date: 13th September 1994 Incident Reference: 62015846 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Mechanical/Electrical Plant Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	599	2	201200 51995
19	Pollution Incidents to Controlled Waters Property Type: Farm Premises: Mechanical Plant/Equipment Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Poor Operational Practise Incident Date: 6th January 1993 Incident Reference: 62005234 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	656	2	199750 51480
20	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Accidental Spillage/Leakage Incident Date: 4th October 1995 Incident Reference: 62016401 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	674	2	201300 51875
20	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Rubble/Litter Or Solids Note: Accidental Spillage/Leakage Incident Date: 4th October 1995 Incident Reference: 62016250 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	675	2	201300 51880



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Miscellaneous/Other Pollution Type Incident Date: 5th May 1993 Incident Reference: 62005623 Catchment Area: St. Austell, 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	A14NE (E)	727	2	201350 51900
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Unknown Note: Not Supplied Incident Date: 16th June 1994 Incident Reference: 62015408 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	748	2	200600 52700
23	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Poor/Inadequate Maintenance Incident Date: 23rd August 1994 Incident Reference: 62015741 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	770	2	200700 52695
23	Pollution Incidents to Controlled Waters Property Type: China Clay Tips Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Poor Operational Practise Incident Date: 23rd August 1994 Incident Reference: 62015740 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	774	2	200700 52700
24	Pollution Incidents to Controlled Waters Property Type: Farm Premises: Silage Effluent Tank Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Silage Liquor Note: Inadequate Design/Capacity Incident Date: 3rd January 1992 Incident Reference: 62003496 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Collapse Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	785	2	199500 51800
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Waste Oil Note: Not Supplied Incident Date: 21st June 1991 Incident Reference: 51001908 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	801	2	201400 51600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Pollution Incidents to Controlled Waters Property Type: Transport, Storage, Communications: Road Location: Lower Sawles Road, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Pollutant: Organic Chemicals : Mineral & Synthetic Oils Note: Not Supplied Incident Date: 8th January 1999 Incident Reference: 33211 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A14SE (E)	803	2	201400 51595
26	Pollution Incidents to Controlled Waters Property Type: Public Highway: Surface Runoff Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Weather Incident Date: 26th February 1993 Incident Reference: 62003854 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	814	2	201200 51200
26	Pollution Incidents to Controlled Waters Property Type: Public Highway: Surface Runoff Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Miscellaneous - Foam Note: Mechanical/Electrical Plant Failure Incident Date: 15th December 1991 Incident Reference: 62004041 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Mechanical/Electrical Plant Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	849	2	201200 51150
27	Pollution Incidents to Controlled Waters Property Type: Farm Premises: Spraying To Land (Land Runoff) Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Poor Operational Practise Incident Date: 5th December 1994 Incident Reference: 62015884 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	882	2	199600 51300
28	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Poor Management Control Incident Date: 12th December 1994 Incident Reference: 62015885 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	915	2	201100 50990
29	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Crude Sewage Note: Inadequate Design/Capacity Incident Date: 29th December 1995 Incident Reference: 62016443 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	950	2	201150 50980



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Agriculture: Yards Location: Polgooth, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Pollutant: Other Pollutant Note: Not Supplied Incident Date: 29th March 1999 Incident Reference: 34795 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier</p>	A6NE (W)	955	2	199400 51500
31	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Private Sewage (Non-PLC): Storm Overflow Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Storm Sewage Note: Weather Incident Date: 29th October 1991 Incident Reference: 62003461 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Mechanical/Electrical Plant Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	992	2	201100 50900
32	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Road Construction/Maintenance Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Unknown Note: Poor Operational Practise Incident Date: 31st March 1995 Incident Reference: 62009862 Catchment Area: St. Austell, Cornwall Receiving Water: Freshwater Stream/River Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A20SW (NE)	997	2	201500 52300
	<p>River Quality</p> <p>Name: St. Austell R GQA Grade: River Quality B Reach: U/S Gover Strm-Below Pentewan Road Lab Estimated Distance (km): 1.3 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000</p>	A19SE (NE)	677	2	201187 52204
	<p>River Quality</p> <p>Name: St. Austell R GQA Grade: River Quality B Reach: Below Pentewan Road Lab-Iron Bridge Estimated Distance (km): .5 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000</p>	A14SE (E)	715	2	201310 51600
	<p>River Quality</p> <p>Name: Gover Strm GQA Grade: River Quality A Reach: Source-Above St. Austell R Estimated Distance (km): 3.4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000</p>	A18NE (N)	791	2	200573 52749
	<p>River Quality</p> <p>Name: Gover Strm GQA Grade: River Quality A Reach: Above St.Austell R-St.Austell Conf Estimated Distance (km): .1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000</p>	A18NE (N)	822	2	200710 52749



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: St. Austell R GQA Grade: River Quality C Reach: Iron Bridge-Molingey Gauging Station Estimated Distance (km): 1.8 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A9SE (SE)	838	2	201200 51165
	River Quality Name: St. Austell R GQA Grade: River Quality B Reach: Lansalsion Bridge-Above Gover Strm Estimated Distance (km): 2.4 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A19NW (N)	838	2	200822 52718
	River Quality Name: Polgooth Stream GQA Grade: River Quality D Reach: Source - Prior To St Austell Conf Estimated Distance (km): 5 Flow Rate: Flow greater than 80 cumecs Flow Type: Not Supplied Year: 2000	A7NW (SW)	889	2	199589 51302
33	River Quality Biology Sampling Points Name: St. Austell River Reach: Below Pentewan Road Lab To Iron Bridge Estimated Distance: 0.50 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good	A14SE (E)	715	2	201310 51600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	River Quality Biology Sampling Points Name: St. Austell River Reach: Upstream Gover Stream-Below Pentewan Road Lab Estimated Distance: 1.30 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good	A18NE (N)	774	2	200750 52680
34	River Quality Biology Sampling Points Name: Gover Stream Reach: Above St.Austell River To St.Austell Confluence Estimated Distance: 0.10 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good	A18NE (N)	774	2	200750 52680
35	River Quality Biology Sampling Points Name: St. Austell River Reach: Iron Bridge To Moliney Gauging Station Estimated Distance: 1.80 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2009 GQA Grade: River Quality Biology GQA Grade D - Fair	A9SE (SE)	870	2	201220 51140



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<p>River Quality Chemistry Sampling Points</p> <p>Name: St. Austell River Reach: Lansalson Bridge To Above Gover Stream Estimated Distance: 2.40 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied</p>	A9NE (SE)	836	2	201212 51181



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<p>River Quality Chemistry Sampling Points</p> <p>Name: St. Austell River Reach: Below Pentewan Road Lab To Iron Bridge Estimated Distance: 0.50 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied</p>	A9NE (SE)	836	2	201212 51181



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<p>River Quality Chemistry Sampling Points</p> <p>Name: St. Austell River Reach: Upstream Gover Stream To Below Pentewan Road Lab Estimated Distance: 1.30 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied</p>	A9NE (SE)	836	2	201212 51181
36	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South West Region, Devon and Cornwall Area Incident Date: 14th September 2004 Incident Reference: 266410 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert Materials And Wastes: Soils And Clay</p>	A12SW (W)	841	2	199446 51774
37	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South West Region, Devon and Cornwall Area Incident Date: 2nd April 2021 Incident Reference: 1915803 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage</p>	A7NW (SW)	900	2	199600 51270



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South West Region, Devon and Cornwall Area Incident Date: 1st January 2021 Incident Reference: 1875483 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: Other Sewage</p>	A9SE (SE)	906	2	201170 51050
39	<p>Water Abstractions</p> <p>Operator: Mr D Vicary Licence Number: 15/48/193/S/024 Permit Version: 100 Location: Household Appliance Centre Ltd - St. Austell River Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: 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: Household Appliance Centre Ltd, Gover Road, St Austell, Cornwall Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th July 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	597	2	200820 52450
40	<p>Water Abstractions</p> <p>Operator: Jeffreys Licence Number: 15/48/193/G/043 Permit Version: 100 Location: St. Austell Cattle Market, St. Austell - Borehole Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St Austell Cattle Market, St. Austell (As Shown Edged In Red On The Plan). Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	672	2	201300 51800
	<p>Water Abstractions</p> <p>Operator: Mr P A Moon Licence Number: 15/48/193/G/044 Permit Version: 100 Location: The Sycamores - Borehole Authority: Environment Agency, South West Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Sycamores, St. Austell. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st July 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1097	2	201500 52500
	<p>Water Abstractions</p> <p>Operator: Mr P A Moon Licence Number: 15/48/193/G/044 Permit Version: 100 Location: The Sycamores - Borehole Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Sycamores, St. Austell. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st July 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A20SW (NE)	1097	2	201500 52500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: St Austell Brewery Co Ltd Licence Number: 15/48/193/G/010 Permit Version: 100 Location: St. Austell Brewery Co. Ltd. - Flooded Tin Mine Authority: Environment Agency, South West Region Abstraction: Breweries/Wine: 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: St. Austell Brewery Co. Ltd, Trevarthian Road, St Austell, Cornwall Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1214	2	201100 53000
	<p>Water Abstractions</p> <p>Operator: St Austell Golf Club Licence Number: 15/48/193/G/030 Permit Version: 100 Location: St Austell Golf Club, St Mewan Authority: Environment Agency, South West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 69 Yearly Rate (m3): 8368 Details: Greens Of, St Austell Golf Club, St Mewan Authorised Start: 01 April Authorised End: 30 October Permit Start Date: 19th September 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A3NW (S)	1243	2	200200 50500
	<p>Water Abstractions</p> <p>Operator: ST AUSTELL GOLF CLUB Licence Number: 1548193G030 Permit Version: Not Supplied Location: Greens Of, St Austell Golf Club, ST MEWAN Authority: Environment Agency, South West Region Abstraction: Other Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Shaft Daily Rate (m3): 68.60 Yearly Rate (m3): 8368.00 Details: Polgooth Tin Mine Shaft 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</p>	A3NW (S)	1247	2	200205 50495
	<p>Water Abstractions</p> <p>Operator: ST AUSTELL GOLF CLUB Licence Number: 1548193G030 Permit Version: Not Supplied Location: Greens Of, St Austell Golf Club, ST MEWAN Authority: Environment Agency, South West Region Abstraction: Other Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Shaft Daily Rate (m3): 4.50 Yearly Rate (m3): 616.00 Details: April 1 To Oct 31; Polgooth Tin Mine Shaft 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</p>	A3NW (S)	1248	2	200200 50495



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: St Austell Brewery Co Ltd Licence Number: 15/48/193/G/010 Permit Version: 101 Location: Flooded Tin Mine At The Brake, St Austell, Cornwall Authority: Environment Agency, South West Region Abstraction: Breweries/Wine: 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: St. Austell Brewery Co. Ltd, Trevarthian Road, St Austell, Cornwall Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24SE (NE)	1276	2	201132 53053
	<p>Water Abstractions</p> <p>Operator: St Austell Brewery Co Ltd Licence Number: 15/48/193/G/010 Permit Version: 101 Location: Flooded Tin Mine At The Brake, St Austell, Cornwall Authority: Environment Agency, South West Region Abstraction: Breweries/Wine: 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: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24SE (NE)	1276	2	201132 53053
	<p>Water Abstractions</p> <p>Operator: MR & MRS K A WILLIAMS Licence Number: 1548193G008 Permit Version: Not Supplied Location: Trenance Farm house, Trenance Downs, ST AUSTELL, Cornwall, PL25 5AP Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 2.30 Yearly Rate (m3): 827.00 Details: Depth 5M 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</p>	A23NW (N)	1328	2	200400 53295
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193G012 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: Adit Daily Rate (m3): 454.60 Yearly Rate (m3): 1364.00 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</p>	A23NW (N)	1333	2	200400 53300



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: MR R D MAY Licence Number: 1548193S001 Permit Version: Not Supplied Location: Baal-Gap, ST EWE Authority: Environment Agency, South West Region Abstraction: Private Water Supply (Miscellaneous Water Bottling) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0.90 Yearly Rate (m3): 227.00 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</p>	A2NW (SW)	1384	2	199600 50600
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193S016 Permit Version: Not Supplied Location: China Clay Works Of Aqueous Clay Co Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Quarrying) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1963.90 Yearly Rate (m3): 714861.00 Details: Stream 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</p>	A16SW (W)	1481	2	198900 52400
	<p>Water Abstractions</p> <p>Operator: St Austell Brewery Co Ltd Licence Number: 15/48/193/G/009 Permit Version: 100 Location: St. Austell Brewery Co. Ltd. - Deep Well Authority: Environment Agency, South West Region Abstraction: Breweries/Wine: 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: St. Austell Brewery Co. Ltd, Trevarthian Road, St Austell, Cornwall Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A25SW (NE)	1500	2	201700 52900
	<p>Water Abstractions</p> <p>Operator: AGRICULTURAL LICENCE BUT Licence Number: 1548193G028 Permit Version: Not Supplied Location: Little Trenance Farm, ST AUSTELL, Cornwall Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 4.50 Yearly Rate (m3): 1659.00 Details: Poss Ref 12665600300012 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</p>	A23NW (N)	1539	2	200300 53500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr R J Clemo Licence Number: 15/48/193/G/005 Permit Version: 100 Location: River Valley Holiday Park, St. Austell - Well Authority: Environment Agency, South West Region Abstraction: Holiday Sites; Camp Sites And Tourist Attractions: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Valley Holiday Park, St Austell Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(S)	1748	2	200800 50000
	<p>Water Abstractions</p> <p>Operator: MR R J CLEMO Licence Number: 1548193G005 Permit Version: Not Supplied Location: River Valley Holiday, St Austell Park Authority: Environment Agency, South West Region Abstraction: Private Water Supply (Holiday Recreation/Hotels Etc) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 2.30 Yearly Rate (m3): 455.00 Details: Holiday Park; Depth 2M 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</p>	(S)	1752	2	200801 49996
	<p>Water Abstractions</p> <p>Operator: Mr R G Clemo Licence Number: 15/48/193/G/015 Permit Version: 100 Location: Menacuddle Farm, St. Austell - Borehole A Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Menacuddle Farm, St. Austell. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th August 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A25NW (NE)	1757	2	201500 53400
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193S021 Permit Version: Not Supplied Location: China Clay Works, TRETOWAL Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 11.30 Yearly Rate (m3): 4091.00 Details: St Austell (White) 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</p>	(NE)	1841	2	201300 53600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr P M Hitchens Licence Number: 15/48/193/G/024 Permit Version: 100 Location: Spring Fed Reservoir At Vanvean Farm, St Mewan Authority: Environment Agency, South West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Van Vean, Polgooth, St Austell, Cornwall PI26 7by Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 6th June 1979 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A1SW (SW)	1855	2	199100 50400
	<p>Water Abstractions</p> <p>Operator: MR P M HITCHENS Licence Number: 1548193G024 Permit Version: Not Supplied Location: Van Vean, Polgooth, ST AUSTELL, Cornwall, PL26 7BY Authority: Environment Agency, South West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 36.40 Yearly Rate (m3): 364.00 Details: April 1 To Oct 31 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</p>	A1SW (SW)	1859	2	199100 50395
	<p>Water Abstractions</p> <p>Operator: St Austell Rfc Licence Number: 15/48/192/G/012 Permit Version: 100 Location: St Austell Rfc, St Austell Authority: Environment Agency, South West Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St Austell Rfc Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 8th July 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1968	2	202500 51200
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 1548193S022 Permit Version: Not Supplied Location: Works-Carne Stents China, Clay Co Ltd Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 681.90 Yearly Rate (m3): 45461.00 Details: Gover 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</p>	(NW)	1975	2	199500 53700



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (SW)	0	4	200460 51837
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SW)	0	4	200460 51837
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 316.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A19SW (NE)	515	5	200947 52265
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A19SW (NE)	515	5	200970 52238
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A19SW (NE)	516	5	200951 52261
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A19SW (NE)	517	5	200954 52260



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 328.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A19SW (NE)	525	5	200977 52246
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NW (E)	537	5	201122 52028
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	586	5	201197 51959
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	611	5	201204 52019
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	611	5	201204 52019
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	614	5	201221 51979
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	616	5	201225 51970
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	616	5	201223 51975
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	616	5	201223 51975



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18SE (NE)	628	5	200756 52516
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18NE (NE)	629	5	200748 52521
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 304.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14NE (E)	631	5	201248 51932
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	633	5	200696 51125
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18NE (NE)	636	5	200763 52523
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	664	5	200703 51094
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	673	5	200703 51084
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 509.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18NE (N)	704	5	200732 52612
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18NE (N)	704	5	200732 52612



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 207.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	712	5	201321 51651
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 731.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A14SE (E)	712	5	201321 51651
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18NE (N)	720	5	200738 52627
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 375.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A18NE (N)	751	5	200747 52656
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	753	5	201032 51139
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NW (W)	765	5	199561 52124
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 644.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NW (W)	768	5	199527 52010
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NW (W)	771	5	199564 52150
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	771	5	199595 52225



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NW (W)	774	5	199543 52101
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NW (W)	779	5	199556 52149
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NW (W)	779	5	199556 52149
75	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A12NW (W)	787	5	199547 52148
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	796	5	200716 50960
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	799	5	201093 51125
78	OS Water Network Lines 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	A9SW (SE)	804	5	201107 51129
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 265.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NE (SE)	805	5	201357 51454
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	807	5	199589 52279



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	809	5	199589 52284
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	823	5	201116 51113
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	823	5	201116 51113
84	OS Water Network Lines 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: 2	A9SW (SE)	826	5	201117 51110
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	826	5	201118 51110
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	827	5	201108 51101
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	828	5	201107 51100
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	829	5	201091 51086
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	829	5	201091 51086



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 2	A9SW (SE)	829	5	201107 51097
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	829	5	201120 51107
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	839	5	199590 52340
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A7NW (SW)	839	5	199645 51311
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	841	5	199586 52339
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	846	5	200761 50921
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	846	5	200761 50921
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	852	5	200771 50919
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	852	5	200771 50919



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	854	5	200767 50916
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A8SE (S)	854	5	200767 50916
101	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	861	5	199596 52388
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	863	5	201114 51061
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	863	5	201114 51061
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (S)	869	5	200811 50915
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 432.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (S)	869	5	200811 50915
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 320.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A7NW (SW)	894	5	199599 51276
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NE (SE)	895	5	201310 51201



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NE (SE)	895	5	201310 51201
109	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NE (SE)	902	5	201355 51250
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A15SW (E)	902	5	201523 51697
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 349.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A15SW (E)	902	5	201523 51697
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	904	5	200308 52861
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A7NW (SW)	905	5	199609 51250
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NE (SE)	907	5	201302 51174
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9NE (SE)	907	5	201302 51174
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	908	5	201260 51126



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 289.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A15SW (E)	909	5	201528 51690
118	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	909	5	201260 51126
119	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	910	5	201296 51161
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	914	5	201250 51108
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	919	5	200239 52863
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	926	5	201084 50967
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	930	5	200359 52893
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	930	5	200359 52893
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	932	5	200347 52894



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	933	5	200343 52895
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	934	5	200362 52898
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	936	5	201203 51037
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	938	5	200325 52898
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 352.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gover Stream Catchment Name: Par, St Austell and Caerhays Primacy: 1	A23SW (N)	940	5	200322 52899
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	940	5	201204 51032
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 396.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A6NE (W)	943	5	199425 51472
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 224.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SW (SE)	951	5	201096 50945
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A7SW (SW)	971	5	199642 51112



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 19.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	974	5	199536 52494
136	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	974	5	199536 52494
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A17SW (NW)	975	5	199539 52500
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	976	5	201156 50952
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	976	5	201156 50952
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	978	5	201155 50950
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 387.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: St Austell River Catchment Name: Par, St Austell and Caerhays Primacy: 1	A9SE (SE)	978	5	201155 50950
142	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 66.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Par, St Austell and Caerhays Primacy: 1	A7SW (SW)	989	5	199661 51064



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Historical Landfill Sites Licence Holder: Not Supplied Location: St Austell, Cornwall Name: Trewiddle Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL30141 First Input Date: 31st December 1979 Last Input Date: 31st December 1981 Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 4/30	A13SW (SW)	3	2	200359 51773
144	Historical Landfill Sites Licence Holder: Coles Excavations Limited Location: Sticker Name: Nanphysick Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL08392 First Input Date: 31st December 1990 Last Input Date: 31st July 1991 Specified Waste: Deposited Waste included Inert, Industrial, Household and Special Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0800/0201 BGS Ref: Not Supplied Other Ref: WM2/2/83, 4/20, 4/29	A6NE (SW)	990	2	199410 51400
145	Licensed Waste Management Facilities (Landfill Boundaries) Name: Tregongeeves Quarry Landfill Licence Number: 210122 Location: Tregongeeves Quarry Landfill, St Mewen, St Austell, Cornwall, PL26 7DS Licence Holder: Cormac Solutions Ltd Authority: Environment Agency - South West Region, Devon and Cornwall Area Site Category: Inert LF Max Input Rate: Not Supplied Licence Status: Modified Issued: 4th May 2006 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A12SE (SW)	336	2	200057 51602
146	Licensed Waste Management Facilities (Locations) Licence Number: 210122 Location: Tregongeeves Quarry Landfill, St Mewen, St Austell, Cornwall, PL26 7DS Operator Name: Cormac Solutions Ltd Operator Location: Not Supplied Authority: Environment Agency - South West Region, Devon and Cornwall Area Site Category: Inert LF Licence Status: Modified Issued: 4th May 2006 Last Modified: 28th February 2017 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	379	2	199989 51621
147	Licensed Waste Management Facilities (Locations) Licence Number: 104019 Location: Tregongeeves Quarry, St Mewan, St Austell, Cornwall, PL26 7DS Operator Name: Cormac Solutions Limited Operator Location: Not Supplied Authority: Environment Agency - South West Region, Devon and Cornwall Area Site Category: Inert & excavation Waste TS + treatment Licence Status: Modified Issued: 24th May 2012 Last Modified: 28th February 2017 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	424	2	200015 51518



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 20515 Location: Tregongeeves Quarry, St Mewan, St Austell, Cornwall, PL26 7DS Operator Name: Cornwall County Council Operator Location: Not Supplied Authority: Environment Agency - South West Region, Devon and Cornwall Area Site Category: Landfills Taking Other Wastes (Construction, Demolition, Dredgings) Licence Status: To PPC Issued: 26th March 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: LP3636SZ Positional Accuracy: Manually corrected supplier location</p>	A12SE (SW)	477	2	199919 51550
149	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 20022 Location: Tregongeeves Depot, Tregongeeves Lane, St Mewan, St Austell, Cornwall, PL26 7DS Operator Name: Suez Recycling And Recovery U K Limited Operator Location: Not Supplied Authority: Environment Agency - South West Region, Devon and Cornwall Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Transferred Issued: 29th March 2001 Last Modified: 30th June 2016 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	663	2	199800 51400
	<p>Local Authority Landfill Coverage</p> <p>Name: Restormel Borough Council - Has no landfill data to supply</p>		0	6	200460 51837
	<p>Local Authority Landfill Coverage</p> <p>Name: Cornwall County Council - Had landfill data but passed it to the relevant environment agency</p>		0	7	200460 51837
150	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992</p>	A13SW (SW)	0	-	200373 51773
151	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992</p>	A13NW (NW)	245	-	200266 52142
152	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992</p>	A18SW (N)	296	-	200362 52250
153	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992</p>	A12NE (NW)	405	-	199984 52142
154	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992</p>	A14SW (E)	514	-	201119 51662
155	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992</p>	A8SW (S)	835	-	200322 50892
156	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995</p>	A17NW (NW)	899	-	199742 52586
157	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995</p>	A17NE (NW)	974	-	199859 52746



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A13SE (E)	81	-	200692 51741
159	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A18SE (NE)	583	-	200759 52461
160	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A18SE (NE)	607	-	200778 52477
161	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A19SW (NE)	720	-	200993 52493
162	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A12SW (W)	849	-	199465 51637
163	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1889	A18NW (N)	859	-	200433 52827
164	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A9SW (S)	862	-	200812 50922
165	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A9NE (SE)	887	-	201400 51353
166	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A9NE (SE)	901	-	201395 51316
167	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1888	A7NW (SW)	909	-	199496 51403
168	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A19NW (NE)	914	-	201039 52694
169	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A23SW (N)	936	-	200193 52868
170	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1907	A7NW (SW)	949	-	199552 51252
171	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1933	A7NW (SW)	970	-	199474 51332
172	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1888	A7NW (SW)	987	-	199522 51228
173	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1907	A6NE (W)	992	-	199405 51404
174	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A22SE (N)	995	-	200111 52903



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	<p>Registered Landfill Sites</p> <p>Licence Holder: Cornwall Highways D.L.O. Licence Reference: WM/2/ 2/104 Site Location: Tregongeeves Quarry, St Mewan, St Austell, Cornwall Licence Easting: 200050 Licence Northing: 51540 Operator Location: Central Group Centre, Bodmin, Cornwall Authority: Environment Agency - South West Region, Cornwall Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: Some restriction on source of waste Restrictions: Status: Site Closed Dated: 26th March 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excav.Spoil, Soil, Stone, Rock Max.Waste Permitted (After Compac'N) Cornwall Cat.B: 'Slightl Soluble' Cornwall Cat.C: 'Solid Putrescible' Cornwall Cat.D Difficult Waste Cornwall Cat.F: 'Toxic' Cornwall Cat.G: 'Prohibited' Fibrous Forms Of Asbestos (Special) Waste N.O.S.</p>	A12SE (SW)	384	2	200050 51540
176	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Restormel Borough Council Licence Reference: EAWML20022 Site Location: Tregongeeves Transfer Station, Tregongeeves Quarry, St Mewan, St Austell, Cornwall, PL26 7ds Operator Location: Environmental Services, Restormel B.C. Offices, Penwinnick Road, ST AUSTELL, Cornwall, PL25 5DR Authority: Environment Agency - South West Region, Cornwall Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 29th March 2001 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Degradable Household/Commercial/Industrial Waste (As In Post'98 E.A.Lics And Equivalent To 22.09.00) Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Maximum Storage In Licence Maximum Waste Permitted By Licence Metal Waste/Scrap Metal (As In Post'98 E.A.Lics And Equivalent To 23.00.00) Prohibited Waste: Cornwall Cat.D: Difficult But Non-Special Waste Cornwall Cat.E: Special Asbestos Waste Cornwall Cat.F: Toxic Or Special Waste Cornwall Cat.G: Prohibited Waste Dust Producing Wastes Liquid Wastes Odour Producing Wastes Other Waste / Waste Not Otherwise Specified Powders Scrap Vehicles Sludge Wastes</p>	A12SE (SW)	394	2	200000 51580



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lower Devonian Rocks (Undifferentiated)	A13SE (SW)	0	1	200460 51837
	BGS Estimated Soil Chemistry 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: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (N)	0	1	200454 51858
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SW)	0	1	200460 51837
	BGS Estimated Soil Chemistry 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	A13NE (N)	32	1	200460 52000
	BGS Estimated Soil Chemistry 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: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (N)	95	1	200451 52063
	BGS Estimated Soil Chemistry 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: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	112	1	200367 51626
	BGS Estimated Soil Chemistry 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	A13NW (NW)	204	1	200128 52000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 40 - 60 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NW (E)	262	1	200870 51919
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A18SW (NW)	302	1	200274 52215
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (E)	372	1	201000 51837
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (E)	384	1	201000 51719
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12SE (SW)	399	1	200000 51572
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A19SW (NE)	616	1	201022 52333



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 40 - 60 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NW (W)	759	1	199617 51501
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 40 - 60 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A15SW (E)	872	1	201500 51808
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A15SW (E)	872	1	201500 51837
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A15SW (E)	876	1	201471 51577
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A15SW (E)	892	1	201500 51629
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 40 - 60 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A17NW (NW)	902	1	199717 52570



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	962	1	199499 51305
	BGS Estimated Soil Chemistry 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 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A16SE (W)	986	1	199372 52247
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	987	1	201427 51205
177	BGS Recorded Mineral Sites Site Name: Trewiddle Quarry Location: St Mewan, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 8817 Type: Opencast Status: Ceased Operator: Cornwall County Council Operator Location: Not Supplied Periodic Type: Devonian Geology: Trendrean Mudstone Formation Commodity: Slate Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	84	1	200330 51675
178	BGS Recorded Mineral Sites Site Name: Trevarrick Quarry Location: St Mewan, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82464 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian and Carboniferous Geology: Unnamed Igneous Intrusion, Devonian To Carboniferous Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	242	1	200261 52135
179	BGS Recorded Mineral Sites Site Name: Chipponds Quarry Location: St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82606 Type: Opencast Status: Ceased Operator: Cornwall County Council Operator Location: Not Supplied Periodic Type: Devonian Geology: Unnamed Igneous Intrusion, Devonian To Carboniferous Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A18SW (N)	357	1	200310 52297



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	BGS Recorded Mineral Sites Site Name: Hill'S Quarry Location: St Mewan, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 82463 Type: Opencast Status: Ceased Operator: Cornwall County Council Operator Location: Not Supplied Periodic Type: Devonian Geology: Unnamed Igneous Intrusion, Devonian To Carboniferous Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	360	1	200107 52182
181	BGS Recorded Mineral Sites Site Name: Tregongeeves Quarry Location: St Mewan, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 1064 Type: Opencast Status: Ceased Operator: Cornwall County Council Operator Location: Not Supplied Periodic Type: Devonian and Carboniferous Geology: Unnamed Igneous Intrusion, Devonian To Carboniferous Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	416	1	200000 51545
182	BGS Recorded Mineral Sites Site Name: Tregongeeves Quarry Location: St Mewan, St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 144840 Type: Opencast Status: Ceased Operator: Cornwall County Council Operator Location: Not Supplied Periodic Type: Devonian Geology: Unnamed Igneous Intrusion, Devonian To Carboniferous Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	431	1	200060 51455
183	BGS Recorded Mineral Sites Site Name: Higher Trewhiddle Farm Quarry Location: St Austell, Cornwall Source: British Geological Survey, National Geoscience Information Service Reference: 262527 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Devonian Geology: Unnamed Igneous Intrusion, Devonian To Carboniferous Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A14SE (E)	529	1	201134 51659
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Metaliferous Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SW)	0	-	200460 51837
	Man-Made Mining Cavities Easting: 200300 Northing: 50900 Distance: 831 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: S Cavity Type: Unknown Mine Commodity: Unknown Solid Geology Detail: Meadfoot Beds Superficial Geology: No Details Detail:	A8SW (S)	831	8	200300 50900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	200454 51858
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	95	1	200451 52063
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	112	1	200367 51626
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	225	1	200460 52193
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	200454 51858
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	95	1	200451 52063
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	112	1	200367 51626
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	225	1	200460 52193
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (more than 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	200460 51837



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	Contemporary Trade Directory Entries Name: S J L Cleaning Services Location: 10, Meneage Villas, St. Austell, Cornwall, PL25 5DN Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	410	-	200917 52137
185	Contemporary Trade Directory Entries Name: Sita Uk Ltd Location: Tregongeeves Depot, St. Austell, Cornwall, PL26 7DS Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	477	-	199919 51550
185	Contemporary Trade Directory Entries Name: Cory Environmental Location: Tregongeeves Depot, St. Austell, Cornwall, PL26 7DS Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	477	-	199919 51550
186	Contemporary Trade Directory Entries Name: Bridge Road Motors Location: Bridge Road, St. Austell, Cornwall, PL25 5HE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	533	-	200940 52296
187	Contemporary Trade Directory Entries Name: Hi-Q Tyres Location: 1, Trevarrick Road, St. Austell, Cornwall, PL25 5JL Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	567	-	200820 52417
187	Contemporary Trade Directory Entries Name: Hi-Q Tyres Services Location: 1, Trevarrick Road, St. Austell, Cornwall, PL25 5JL Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	567	-	200820 52417
187	Contemporary Trade Directory Entries Name: Gardiner Pole Systems Ltd Location: Trevarrick Mill, Trevarrick Road, St. Austell, PL25 5JN Classification: Cleaning Materials & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	568	-	200819 52418
188	Contemporary Trade Directory Entries Name: Courtney Light Haulage Location: 12, Higher Woodside, St. Austell, Cornwall, PL25 5EH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	603	-	200289 52549
188	Contemporary Trade Directory Entries Name: Brett Pascoe Location: 2, Lower Woodside, St. Austell, Cornwall, PL25 5EQ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	614	-	200255 52551
189	Contemporary Trade Directory Entries Name: Kwik Fit Location: West Hill, St. Austell, Cornwall, PL25 5EY Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	612	-	200995 52352
190	Contemporary Trade Directory Entries Name: Texaco Location: 1, Penwinnick Road, St. Austell, Cornwall, PL25 5DP Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	624	-	201223 52005
190	Contemporary Trade Directory Entries Name: Petrogas Location: 1, Penwinnick Road, St. Austell, Cornwall, PL25 5DP Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	624	-	201223 52005



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
190	Contemporary Trade Directory Entries Name: Penwinnick Road Service Station Location: 1, Penwinnick Road, St. Austell, Cornwall, PL25 5DP Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	624	-	201223 52005
191	Contemporary Trade Directory Entries Name: Aa Service Centre Location: Unit 2A, Pentewan Road, St. Austell, Cornwall, PL25 5BU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	647	-	201274 51766
191	Contemporary Trade Directory Entries Name: Halfords Autocentre St Austell Location: Unit 2a, Pentewan Road, St. Austell, PL25 5BU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	648	-	201274 51766
192	Contemporary Trade Directory Entries Name: Ats Euromaster Ltd Location: Gover Road, ST. AUSTELL, Cornwall, PL25 5NE Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	670	-	200794 52542
193	Contemporary Trade Directory Entries Name: P & P Location: 28, Grenville Court, St. Austell, Cornwall, PL25 5HA Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	680	-	201077 52367
194	Contemporary Trade Directory Entries Name: Prestige Motor Co Location: Penhaligon House, Trinity Street, St. Austell, Cornwall, PL25 5BA Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	726	-	201204 52273
195	Contemporary Trade Directory Entries Name: St Austell Printing Co Location: 39-41, Truro Road, St. Austell, Cornwall, PL25 5JE Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	737	-	201051 52469
196	Contemporary Trade Directory Entries Name: Johnsons The Cleaners Location: Pentewan Road, St. Austell, Cornwall, PL25 5BU Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	763	-	201386 51907
197	Contemporary Trade Directory Entries Name: C T I Connections Location: 27, Trinity Street, St. Austell, Cornwall, PL25 5LS Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	786	-	201192 52396
197	Contemporary Trade Directory Entries Name: Crystal Dry Cleaning Location: 25, Trinity Street, St. Austell, Cornwall, PL25 5LS Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	787	-	201191 52400
197	Contemporary Trade Directory Entries Name: Hopes Generation Ltd Location: BURTON HOUSE, TRINITY STREET, ST. AUSTELL, PL25 5LS Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	794	-	201187 52414
197	Contemporary Trade Directory Entries Name: St Austell Insect Screens Location: 3-9 Trinity St, St Austell, Cornwall, PL25 5LS Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	801	-	201178 52436



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	Contemporary Trade Directory Entries Name: Currys Location: 45, Fore Street, St. Austell, Cornwall, PL25 5PY Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	813	-	201206 52421
198	Contemporary Trade Directory Entries Name: Francis Antony Ltd Location: Blowing House Hill, ST. AUSTELL, Cornwall, PL25 5AH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	829	-	200997 52620
198	Contemporary Trade Directory Entries Name: Francis Antony Location: Blowing House Hill, St. Austell, Cornwall, PL25 5AH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	829	-	200997 52620
199	Contemporary Trade Directory Entries Name: Christine Bufton Location: 47, Aylmer Square, St. Austell, Cornwall, PL25 5LJ Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	839	-	201237 52425
200	Contemporary Trade Directory Entries Name: Klick Location: 2-4 Bodmin Rd, St Austell, Cornwall, PL25 5AE Classification: Photographic Processors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	842	-	201186 52487
200	Contemporary Trade Directory Entries Name: Polymaps Location: 22, Grants Walk, St. Austell, Cornwall, PL25 5AA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	856	-	201196 52498
201	Contemporary Trade Directory Entries Name: Tesco Petrol Filling Station Location: South Street, St. Austell, Cornwall, PL25 5DB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	864	-	201336 52322
202	Contemporary Trade Directory Entries Name: Robin Location: 31, Tewington Place, St. Austell, Cornwall, PL25 5NW Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	889	-	200920 52724
203	Contemporary Trade Directory Entries Name: Trenance Garage Location: 11, Trenance Road, St. Austell, Cornwall, PL25 5AJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	899	-	201028 52683
204	Contemporary Trade Directory Entries Name: Gomobile Location: 19a, Fore Street, St. Austell, Cornwall, PL25 5PX Classification: Mobile Phone Accessories and Car Kits Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	899	-	201319 52416
204	Contemporary Trade Directory Entries Name: Lex Dezigns Ltd Location: 11, OLD VICARAGE PLACE, ST. AUSTELL, PL25 5YY Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	903	-	201340 52391
204	Contemporary Trade Directory Entries Name: Hicklings Location: 12, Victoria Place, St. Austell, Cornwall, PL25 5PE Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	937	-	201376 52398



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	Contemporary Trade Directory Entries Name: E T S Location: 9, Fore Street, St. Austell, Cornwall, PL25 5PX Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	939	-	201358 52429
205	Contemporary Trade Directory Entries Name: Ocean Breeze Location: 1, Boconnoc Road, St. Austell, PL25 4UN Classification: Candle Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15NW (E)	929	-	201537 52011
206	Contemporary Trade Directory Entries Name: Cornwall L P G Conversions Location: 65, Bodmin Road, St. Austell, Cornwall, PL25 5AF Classification: Vehicle Conversions Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19NW (NE)	962	-	201086 52722
207	Contemporary Trade Directory Entries Name: P C Thomas Location: 1, St. Mewan Lane, Trewoon, St. Austell, Cornwall, PL25 5SP Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NW (NW)	981	-	199687 52647
208	Fuel Station Entries Name: Penwinnick St Austell Service Station Location: 1, Penwinnick Road, , St Austell, Cornwall, PL25 5DP Brand: Low Prices Always Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A14NE (E)	624	-	201223 52005
209	Points of Interest - Commercial Services Name: SITA UK Ltd Location: Tregongeeves Depot, Tregongeeves Lane, St Austell, PL26 7DS Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A12SE (SW)	478	9	199918 51549
210	Points of Interest - Commercial Services Name: Bridge Road Motors Location: Bridge Road, St. Austell, PL25 5HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	532	9	200940 52295
210	Points of Interest - Commercial Services Name: Bridge Road Motors Location: Bridge Road, St. Austell, PL25 5HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	533	9	200940 52296
210	Points of Interest - Commercial Services Name: Kwik-Fit (GB) Limited Location: West Hill, St Austell, PL25 5EY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	611	9	200995 52352
210	Points of Interest - Commercial Services Name: Kwik-Fit (GB) Limited Location: West Hill, St. Austell, PL25 5EY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	612	9	200995 52352
211	Points of Interest - Commercial Services Name: Hiq Tyre Services Location: 1 Trevarrick Road, St. Austell, PL25 5JL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	567	9	200820 52417
211	Points of Interest - Commercial Services Name: HiQ Centre Location: 1 Trevarrick Road, St. Austell, PL25 5JL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	567	9	200820 52417



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
212	Points of Interest - Commercial Services Name: Brett Pascoe Location: 2 Lower Woodside, St. Austell, PL25 5EQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NW (N)	614	9	200255 52551
212	Points of Interest - Commercial Services Name: Brett Pascoe Location: 2 Lower Woodside, St. Austell, PL25 5EQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NW (N)	614	9	200255 52551
213	Points of Interest - Commercial Services Name: Penwinnick St Austell Service Station Location: 1 Penwinnick Road, St Austell, PL25 5DP Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NE (E)	624	9	201223 52005
213	Points of Interest - Commercial Services Name: Car Wash Location: 1 Penwinnick Road, St. Austell, PL25 5DP Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NE (E)	624	9	201223 52005
214	Points of Interest - Commercial Services Name: Halfords Autocentre Location: Unit 2a, Pentewan Road, St Austell, PL25 5BU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	648	9	201274 51766
215	Points of Interest - Commercial Services Name: Shop & Shine Location: White River Place, St. Austell, PL25 5AZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A19SE (NE)	832	9	201294 52330
216	Points of Interest - Manufacturing and Production Name: Workings (Disused) Location: PL25 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A13SW (SW)	38	9	200334 51753
216	Points of Interest - Manufacturing and Production Name: Workings (Disused) Location: PL25 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	40	9	200328 51756
217	Points of Interest - Manufacturing and Production Name: Trewiddle Quarry (Disused) Location: PL25 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A13SW (SW)	101	9	200328 51656
218	Points of Interest - Manufacturing and Production Name: Hill's Quarry (Disused) Location: PL25 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	359	9	200110 52182
218	Points of Interest - Manufacturing and Production Name: Hill's Quarry (Disused) Location: PL25 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A17SE (NW)	388	9	200096 52208
219	Points of Interest - Manufacturing and Production Name: Tregongeeves Quarry (Disused) Location: PL26 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	425	9	200044 51483



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
219	Points of Interest - Manufacturing and Production Name: Tregoneeves Quarry (Disused) Location: PL26 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A7NE (SW)	428	9	200050 51471
220	Points of Interest - Manufacturing and Production Name: Tank Location: PL25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	576	9	201189 51685
221	Points of Interest - Manufacturing and Production Name: Tanks Location: PL25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	665	9	201282 51696
222	Points of Interest - Manufacturing and Production Name: Tank Location: PL26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	719	9	199789 51327
223	Points of Interest - Manufacturing and Production Name: Tanks Location: PL25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (NW)	762	9	200120 52655
224	Points of Interest - Manufacturing and Production Name: St Austell District Chamber of Commerce & Industry Location: Sembal House, West Hill, St. Austell, PL25 5ET Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19SW (NE)	773	9	201129 52448
225	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: PL25 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	32	9	200331 51765
226	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: PL26 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	389	9	199969 51635
226	Points of Interest - Public Infrastructure Name: SITA UK Ltd Location: Tregoneeves Depot, St. Austell, PL26 7DS Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12SE (SW)	477	9	199919 51550
226	Points of Interest - Public Infrastructure Name: Cory Environmental Location: Tregoneeves Depot, Tregoneeves Lane, St Austell, PL26 7DS Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12SE (SW)	478	9	199918 51550
227	Points of Interest - Public Infrastructure Name: Petrogas Location: 1 Penwinnick Road, St Austell, PL25 5DP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	623	9	201222 52004
227	Points of Interest - Public Infrastructure Name: Texaco UK Location: 1 Penwinnick Road, St. Austell, PL25 5DP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	624	9	201223 52005



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
227	Points of Interest - Public Infrastructure Name: Somerfield St Austell Penwinck33720 Location: 1 Penwinnick Road, St. Austell, PL25 5DP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	624	9	201223 52005
227	Points of Interest - Public Infrastructure Name: Penwinnick Road Service Station Location: 1 Penwinnick Road, St. Austell, PL25 5DP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	624	9	201223 52005
228	Points of Interest - Public Infrastructure Name: Filter Bed Location: PL26 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	774	9	200737 50990
229	Points of Interest - Public Infrastructure Name: Tesco Petrol Filling Station Location: South Street, St. Austell, PL25 5DB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A19SE (NE)	864	9	201336 52322
230	Points of Interest - Public Infrastructure Name: Weir Location: PL25 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	932	9	200356 52895
230	Points of Interest - Public Infrastructure Name: Weir Location: PL25 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	933	9	200358 52896
231	Points of Interest - Public Infrastructure Name: Sewage Works Location: PL26 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A9SE (SE)	971	9	201223 51009
232	Points of Interest - Recreational and Environmental Name: Playground Location: Truro Road, PL25 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19SW (NE)	639	9	200936 52433
232	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	640	9	200934 52436
232	Points of Interest - Recreational and Environmental Name: Play Area Location: PL25 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	658	9	200985 52422
233	Points of Interest - Recreational and Environmental Name: Play Area Location: PL25 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19NW (N)	791	9	200799 52677



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Carrick 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 June 2020 October 2017 September 2008	Annually Annually Not Applicable
Discharge Consents Environment Agency - South West Region	April 2023	Quarterly
Enforcement and Prohibition Notices Environment Agency - South West Region	March 2013	
Integrated Pollution Controls Environment Agency - South West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - South West Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Fowey Port Health Authority 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 July 2008 July 2009 September 2014	Variable Not Applicable Not Applicable Variable
Local Authority Pollution Prevention and Controls Fowey Port Health Authority 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 July 2008 July 2009 September 2014	Not Applicable Not Applicable Not Applicable Annually
Local Authority Pollution Prevention and Control Enforcements Fowey Port Health Authority 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 July 2008 July 2009 September 2014	Variable Not Applicable Not Applicable Variable
Nearest Surface Water Feature Ordnance Survey	May 2023	
Pollution Incidents to Controlled Waters Environment Agency - South West Region	September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - South West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - South West Region	March 2013	
Registered Radioactive Substances Environment Agency - South West Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	April 2023 April 2023	Quarterly Quarterly
Water Abstractions Environment Agency - South West Region	April 2023	Quarterly



Data Currency

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



Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	March 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - South West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	January 2023 January 2023	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	January 2023 January 2023	Quarterly Quarterly
Local Authority Landfill Coverage Carrick District Council (now part of Cornwall Council) - Environmental Health Department Cornwall County Council (now part of Cornwall Council) Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Carrick District Council (now part of Cornwall Council) - Environmental Health Department Cornwall County Council (now part of Cornwall Council) Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department	October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - South West Region - Cornwall Area Environment Agency - South West Region - Devon and Cornwall Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites 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
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Cornwall County Council (now part of Cornwall Council) Carrick District Council (now part of Cornwall Council) - Development Control Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	January 2009 May 2009 May 2023 October 2008	Annual Rolling Update Not Applicable Variable Not Applicable
Planning Hazardous Substance Consents Cornwall County Council (now part of Cornwall Council) Carrick District Council (now part of Cornwall Council) - Development Control Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	January 2009 May 2009 May 2016 October 2008	Annual Rolling Update Not Applicable Variable Not Applicable



Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually



Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2023	Quarterly
Points of Interest - Education and Health PointX	June 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2023	Quarterly
Points of Interest - Public Infrastructure PointX	June 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually



Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2023	Bi-Annually
Areas of Adopted Green Belt Carrick District Council (now part of Cornwall Council) - Development Control Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Carrick District Council (now part of Cornwall Council) - Development Control Cornwall Council - Planning Department Restormel Borough Council (now part of Cornwall Council)	July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	April 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	March 2023	Bi-Annually
Marine Nature Reserves Natural England	April 2023	Bi-Annually
National Nature Reserves Natural England	February 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	March 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2023	Bi-Annually
Special Areas of Conservation Natural England	April 2023	Bi-Annually
Special Protection Areas Natural England	April 2023	Bi-Annually



Data Suppliers

A selection of organisations who provide data within this report

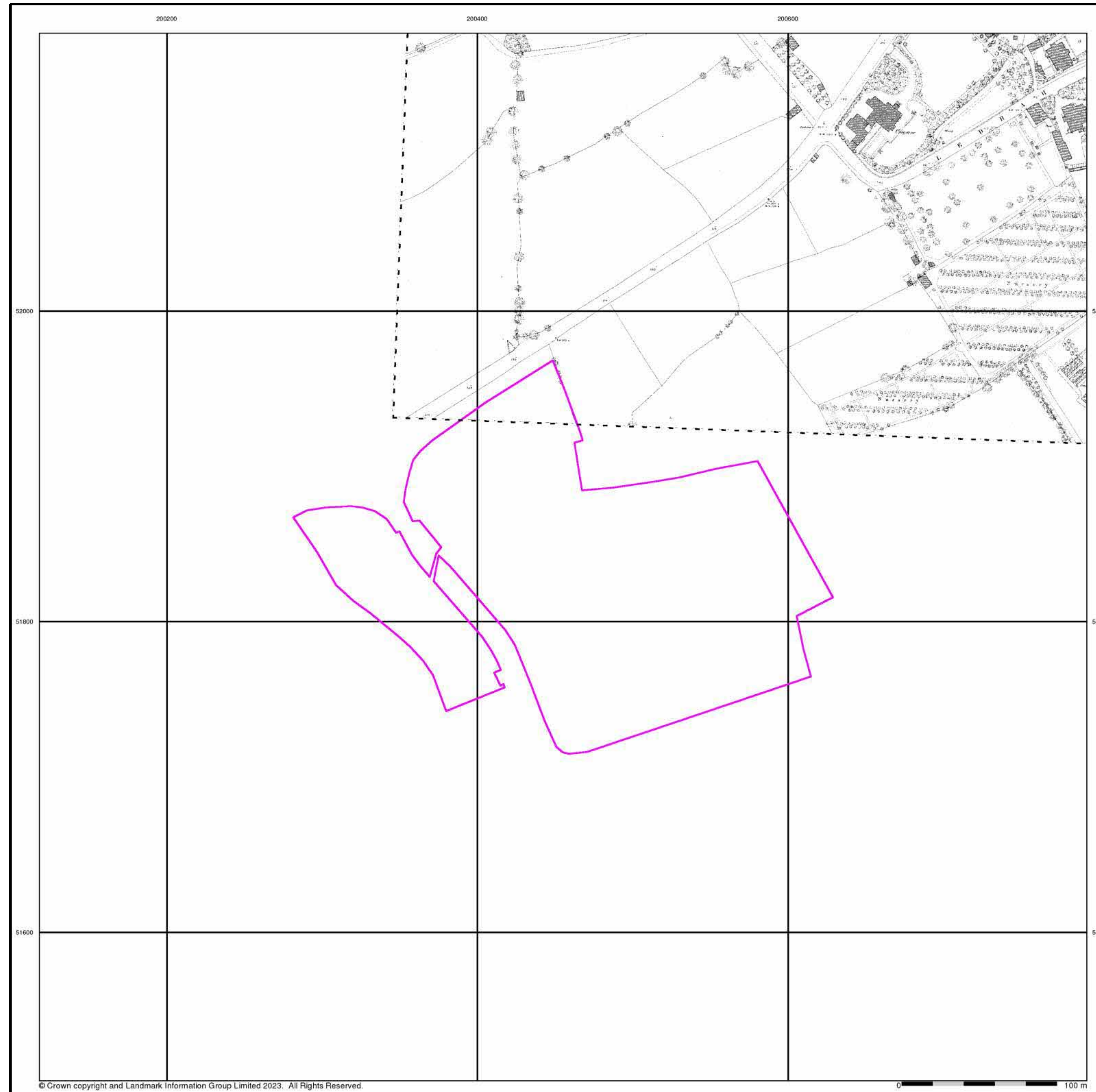
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec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



Useful Contacts

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Cornwall Council - Environmental Health Department County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 212 Email: envhealthandlicensing@cornwall.gov.uk Website: www.cornwall.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Restormel Borough Council (now part of Cornwall Council) - Environmental Health Department County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: enquiries@cornwall.gov.uk Website: www.cornwall.gov.uk
7	Cornwall County Council (now part of Cornwall Council) County Hall, Treyew Road, Truro, Cornwall, TR1 3AY	Telephone: 0300 1234 100 Email: enquiries@cornwall.gov.uk Website: www.cornwall.gov.uk
8	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
9	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Cornwall & Isles Of Scilly

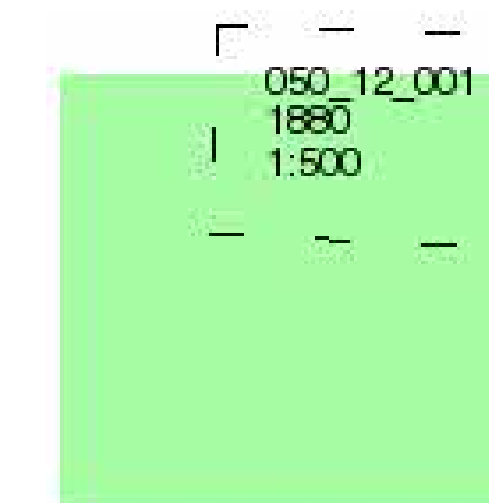
Published 1880

Source map scale - 1:500

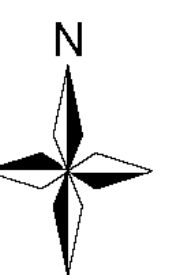
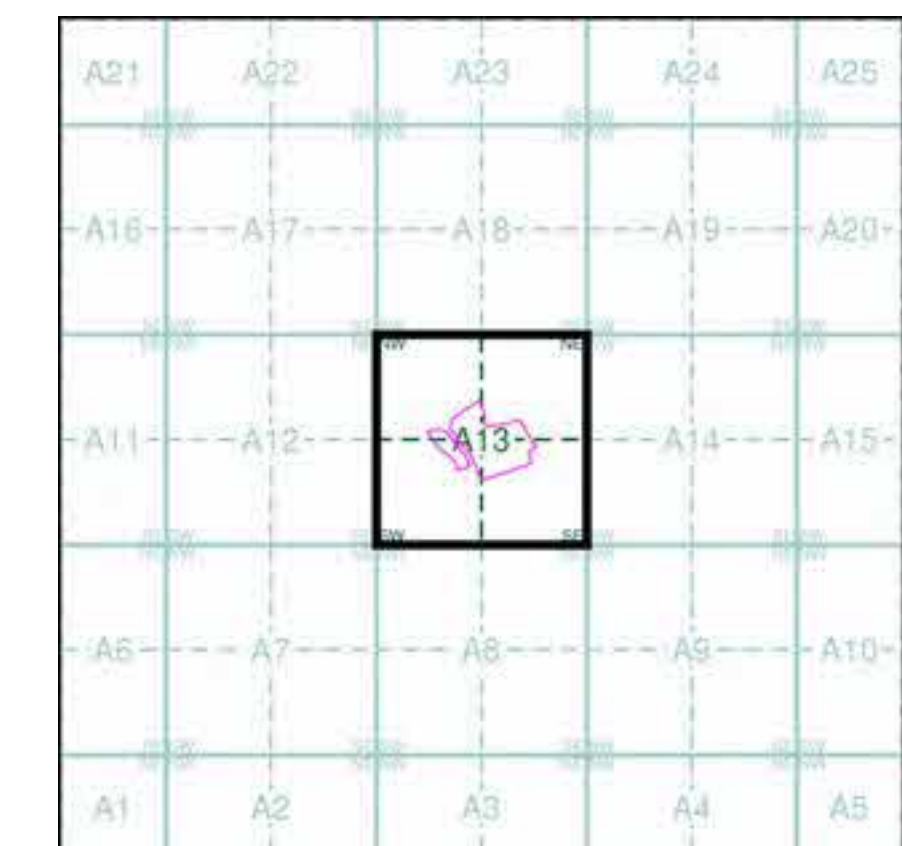
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to complement the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped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

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

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

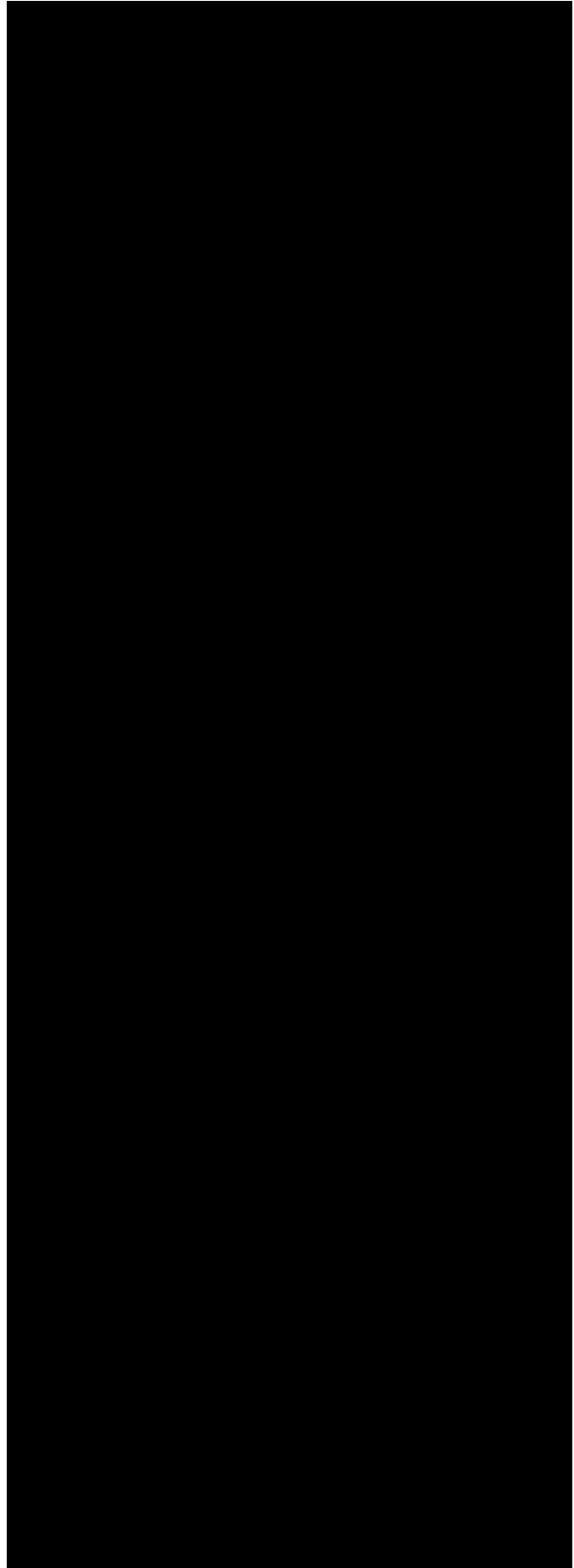
Order Number: 314880203_1_1
 Customer Ref: 23171
 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 0

Site Details

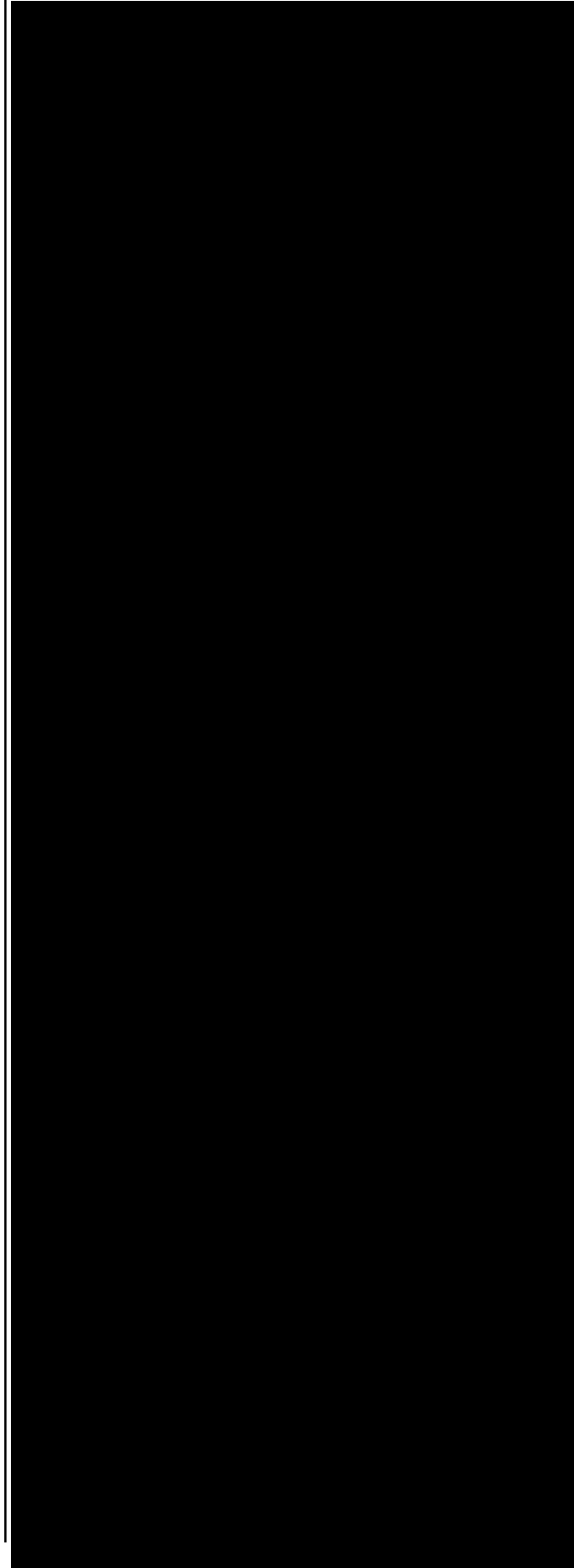
Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS

Historical Mapping Legends

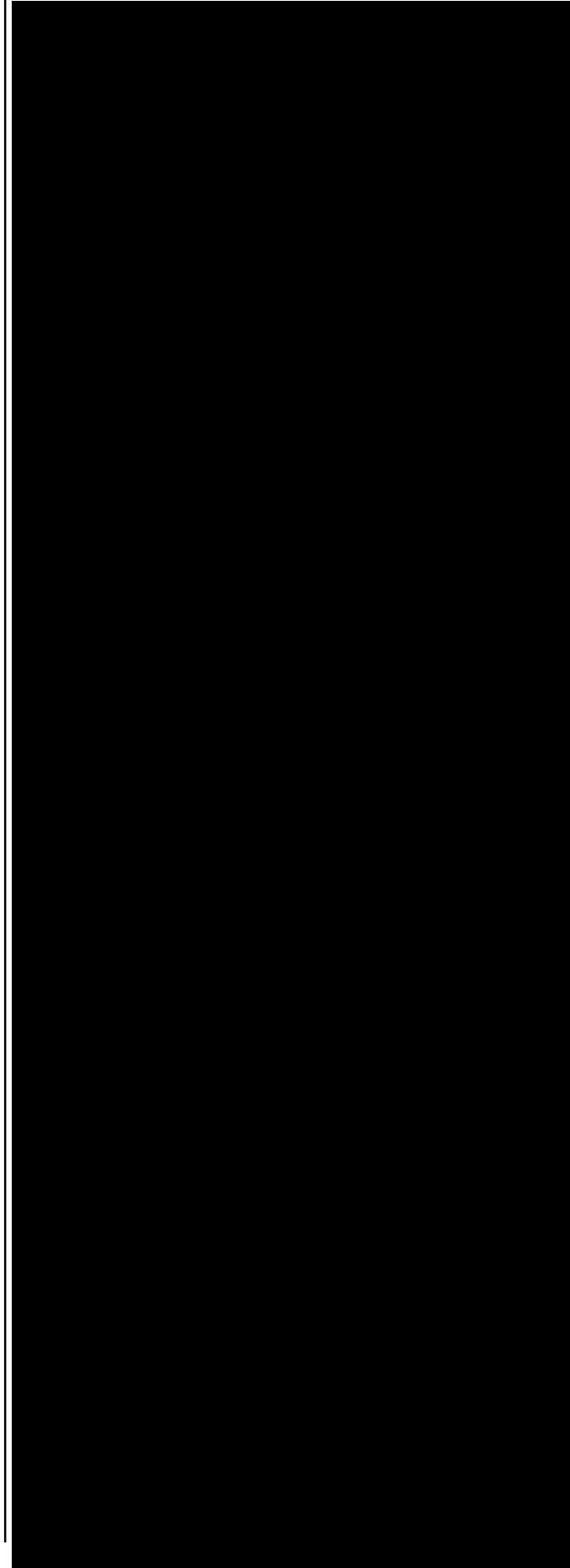
Ordnance Survey County Series and
Ordnance Survey Plan 1:2,500



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



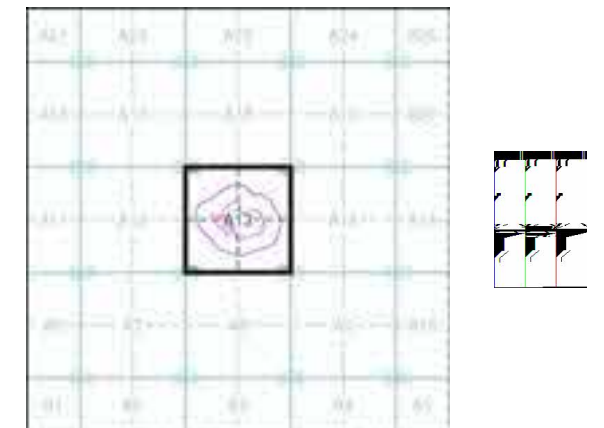
Large-Scale National Grid Data 1:2,500 and
1:1,250



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
Cornwall & Isles Of Scilly	1:2,500	1933	4
Ordnance Survey Plan	1:1,250	1969	5
Additional SIMs	1:1,250	1969 - 1977	6
Ordnance Survey Plan	1:2,500	1970 - 1971	7
Supply of Unpublished Survey Information	1:2,500	1976	8
Supply of Unpublished Survey Information	1:1,250	1976	9
Additional SIMs	1:1,250	1984 - 1985	10
Ordnance Survey Plan	1:1,250	1988	11
Additional SIMs	1:1,250	1988	12
Additional SIMs	1:1,250	1991	13
Large-Scale National Grid Data	1:1,250	1994	14
Large-Scale National Grid Data	1:2,500	1994	15
Historical Aerial Photography	1:2,500	2001	16

Historical Map - Segment A13



Order Details

Order Number: 314880203_1_1
 Customer Ref: 23171
 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 100

Site Details

Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



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 Fax: 0844 844 9951
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Cornwall & Isles Of Scilly

Published 1881

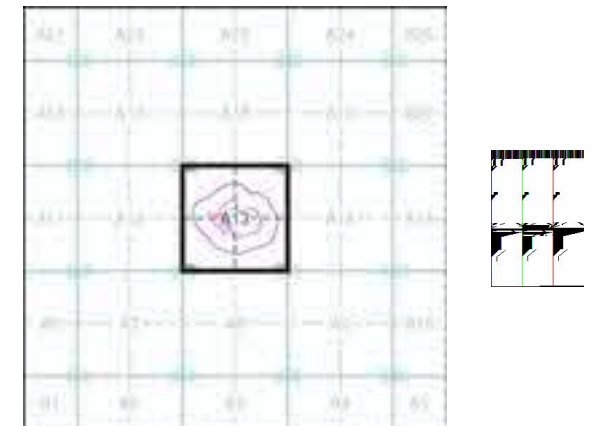
Source map scale - 1:2,500

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



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Site Details

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Cornwall & Isles Of Scilly

Published 1907

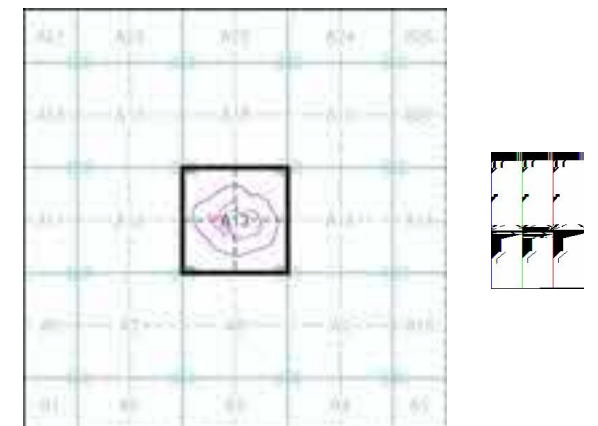
Source map scale - 1:2,500

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.

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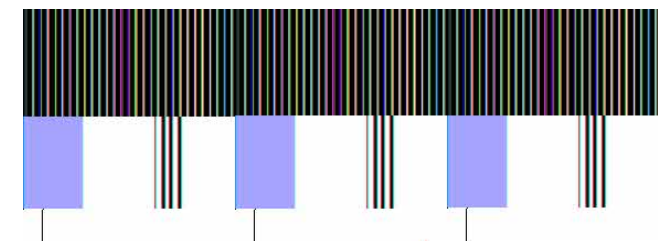
Cornwall & Isles Of Scilly

Published 1933

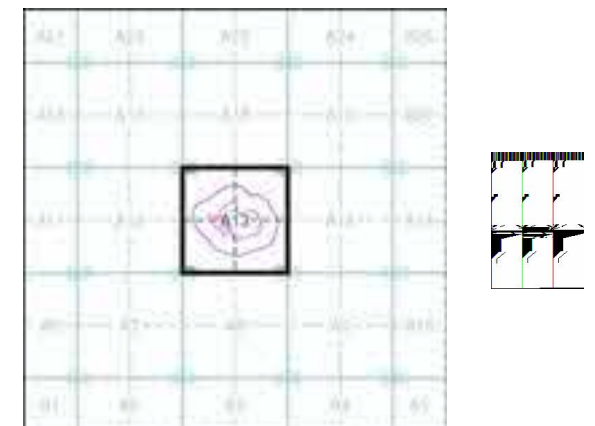
Source map scale - 1:2,500

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.

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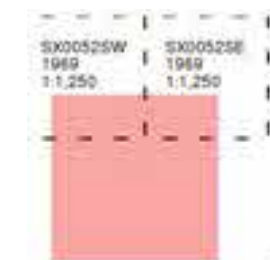
Ordnance Survey Plan

Published 1969

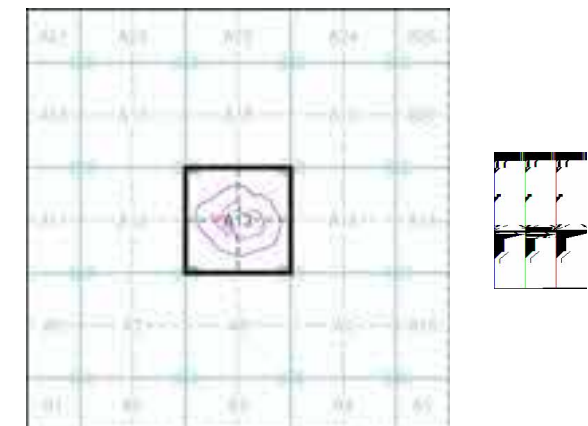
Source map scale - 1:1,250

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

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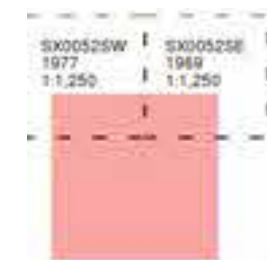
Additional SIMs

Published 1969 - 1977

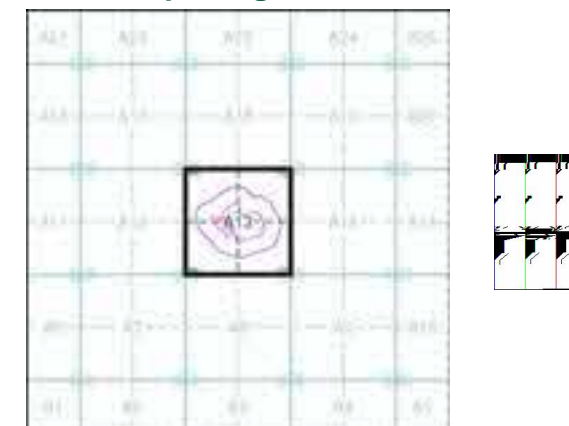
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



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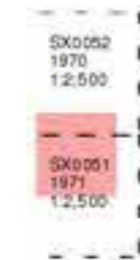
Ordnance Survey Plan

Published 1970 - 1971

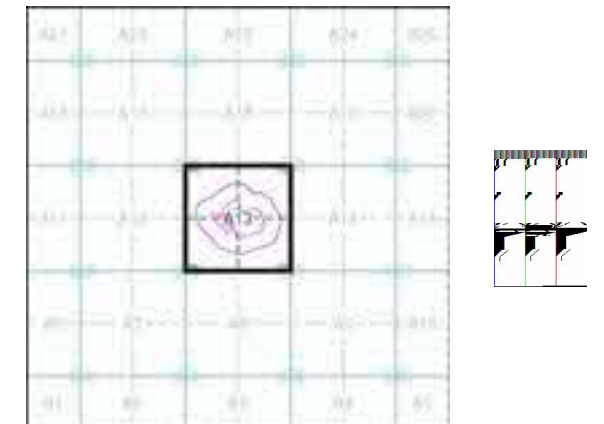
Source map scale - 1:2,500

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.

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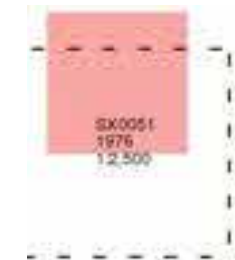
Supply of Unpublished Survey Information

Published 1976

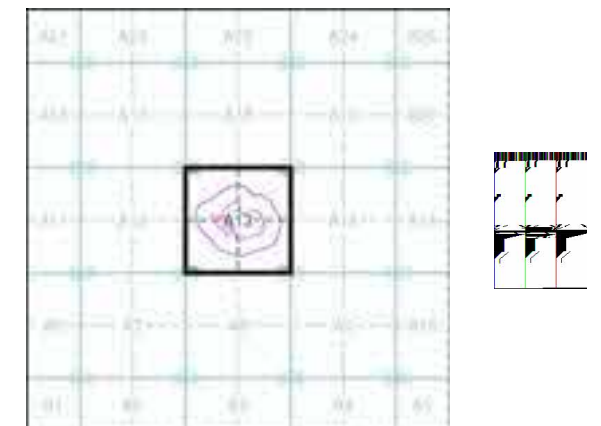
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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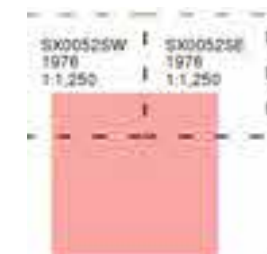
Supply of Unpublished Survey Information

Published 1976

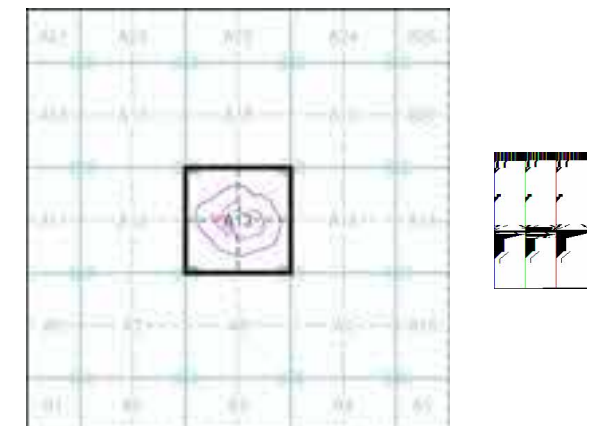
Source map scale - 1:1,250

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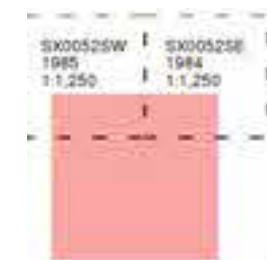
Additional SIMs

Published 1984 - 1985

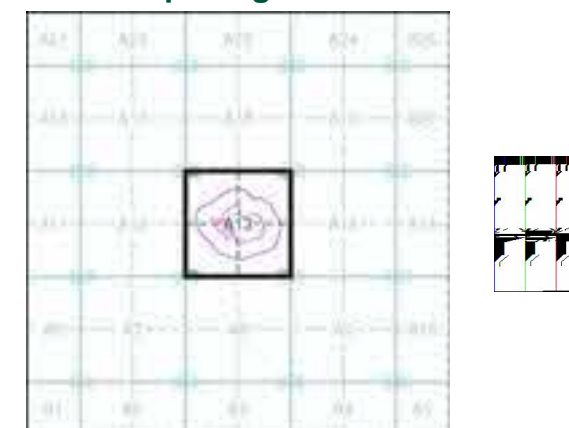
Source map scale - 1:1,250

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

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Site Details

Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Ordnance Survey Plan

Published 1988

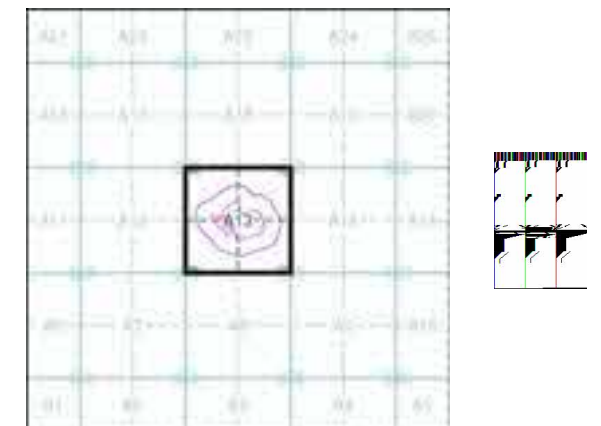
Source map scale - 1:1,250

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Additional SIMs

Published 1988

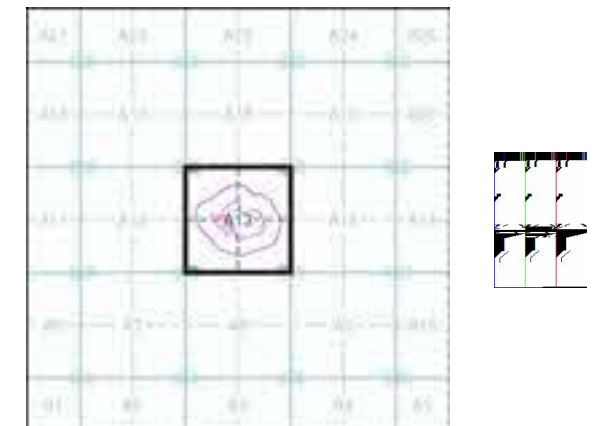
Source map scale - 1:1,250

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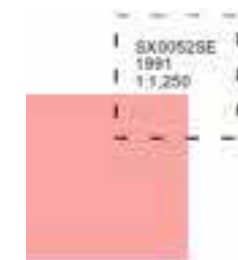
Additional SIMs

Published 1991

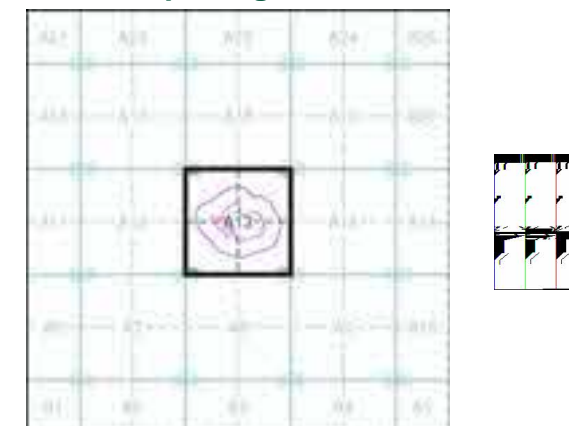
Source map scale - 1:1,250

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

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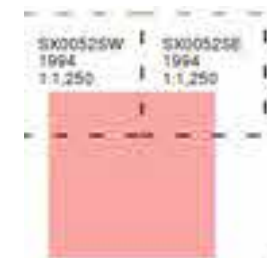
Large-Scale National Grid Data

Published 1994

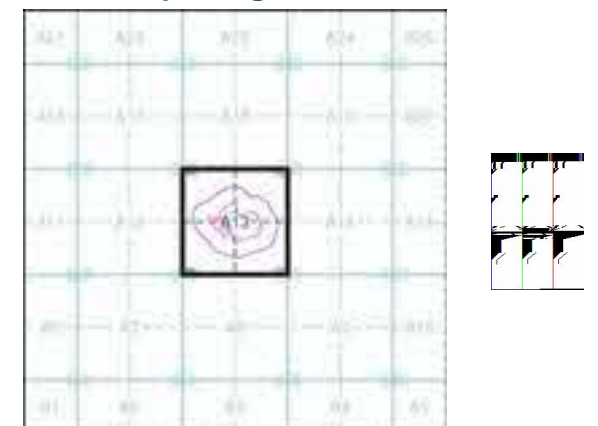
Source map scale - 1:1,250

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

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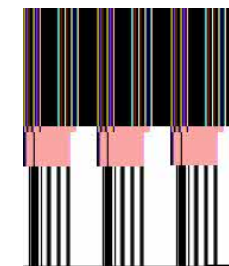
Large-Scale National Grid Data

Published 1994

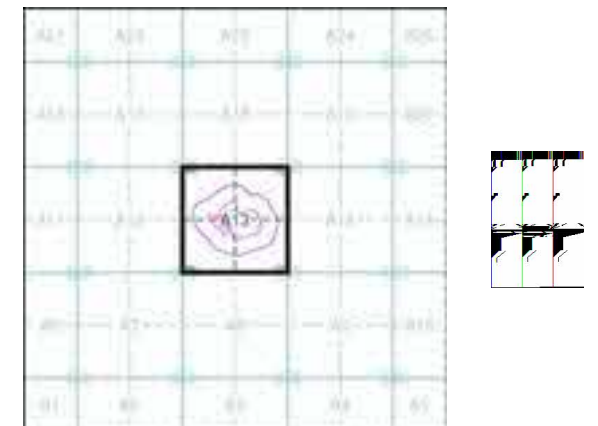
Source map scale - 1:2,500

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100 m

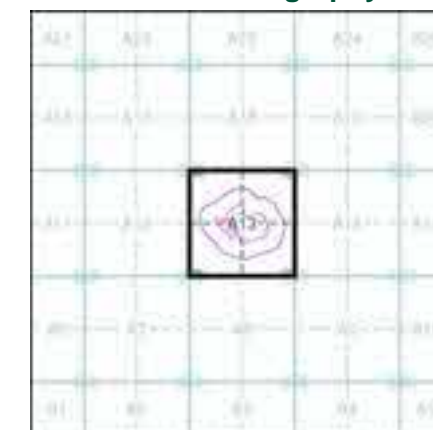


Historical Aerial Photography

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

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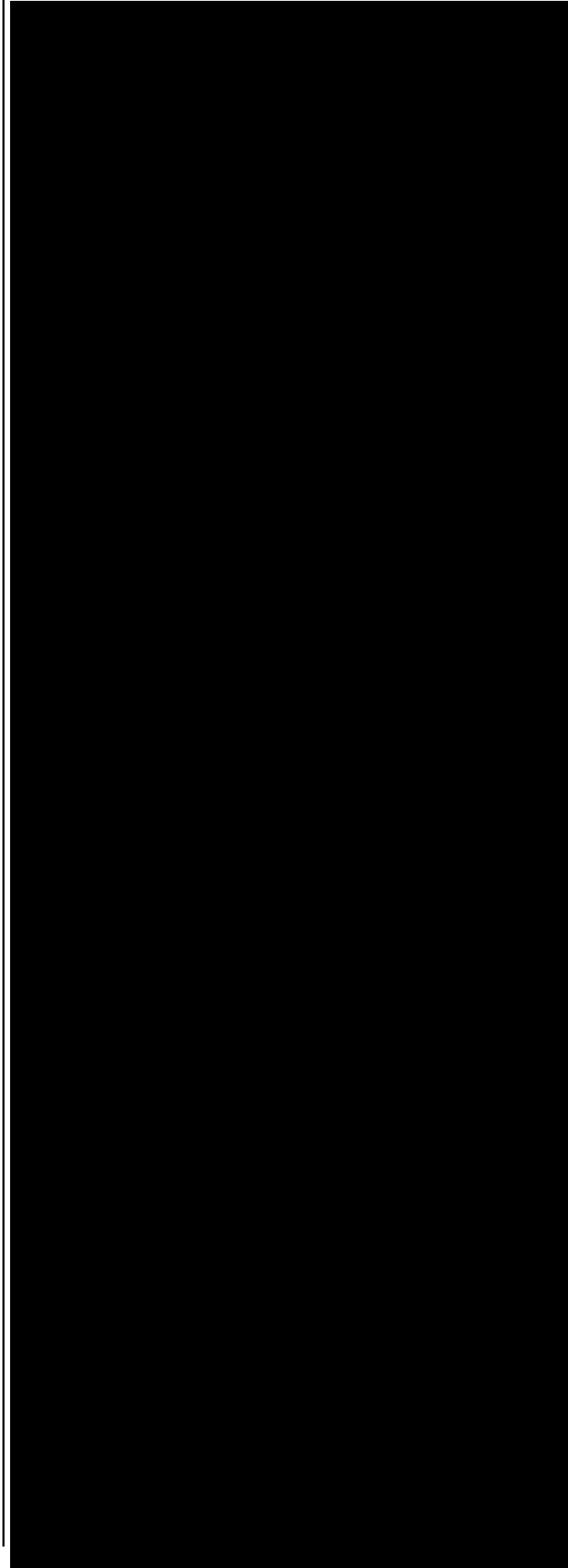
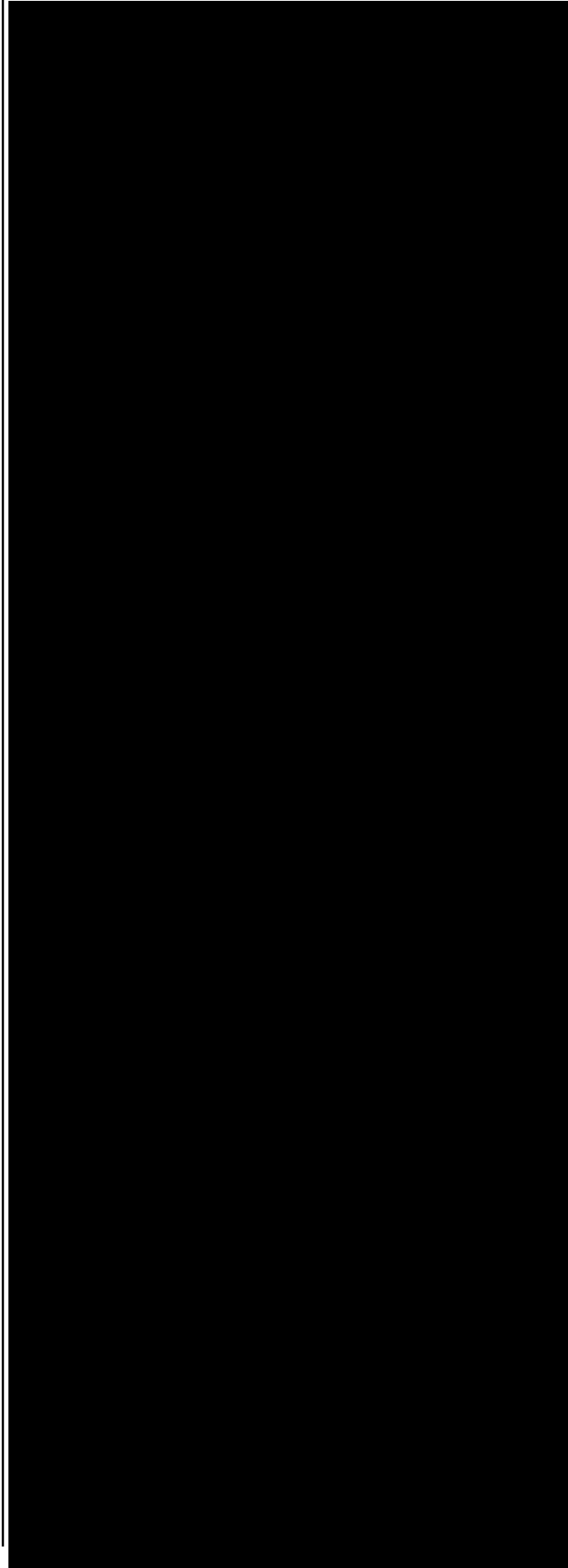
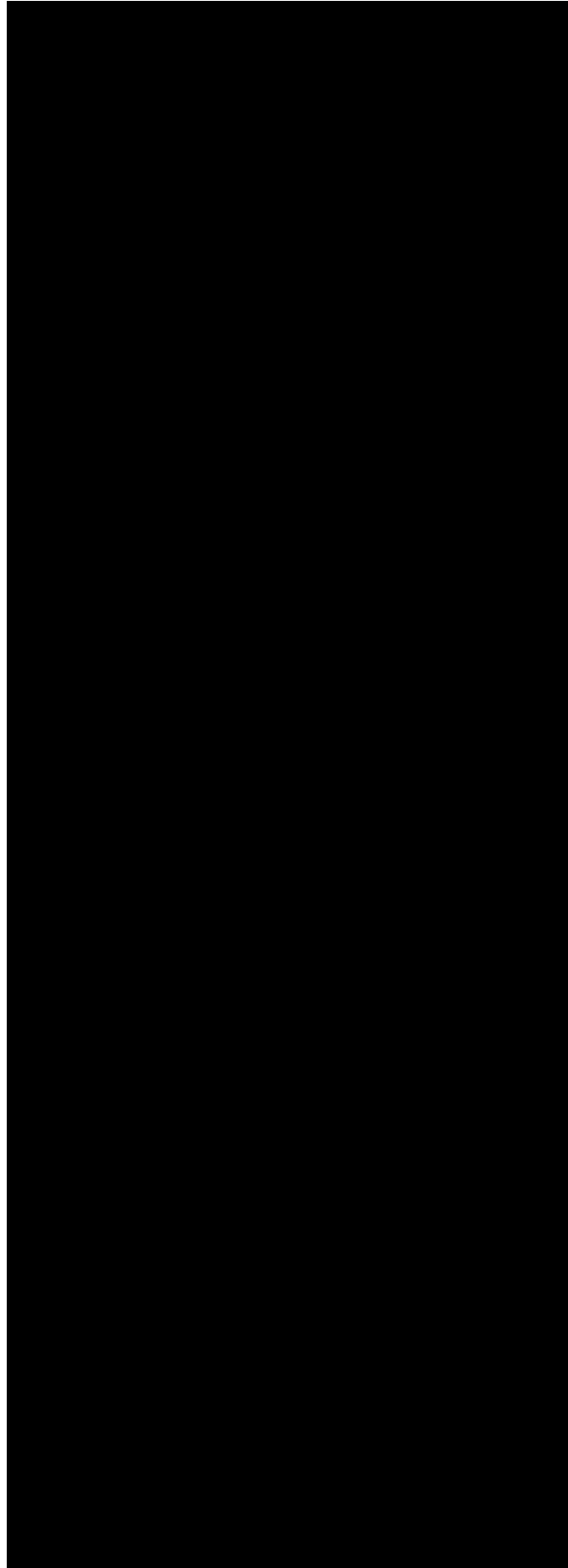
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Ordnance Survey Plan 1:10,000

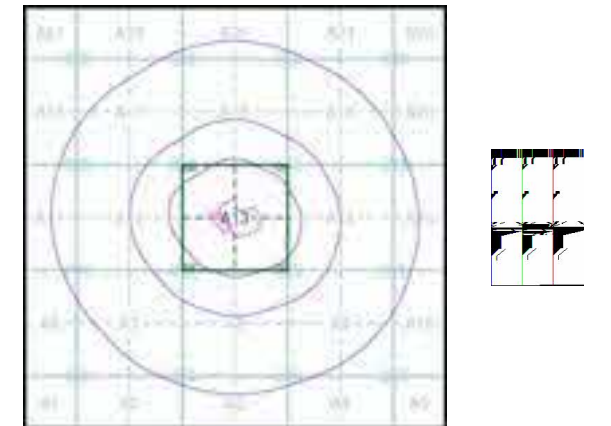
1:10,000 Raster Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cornwall & Isles Of Scilly	1:10,560	1888	2
Cornwall & Isles Of Scilly	1:10,560	1907 - 1908	3
Cornwall & Isles Of Scilly	1:10,560	1933 - 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	1968	7
Ordnance Survey Plan	1:10,000	1970 - 1977	8
Ordnance Survey Plan	1:10,000	1977	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	2023	13

Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
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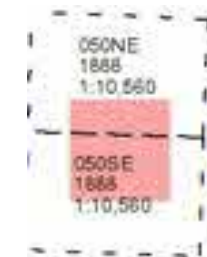
Cornwall & Isles Of Scilly

Published 1888

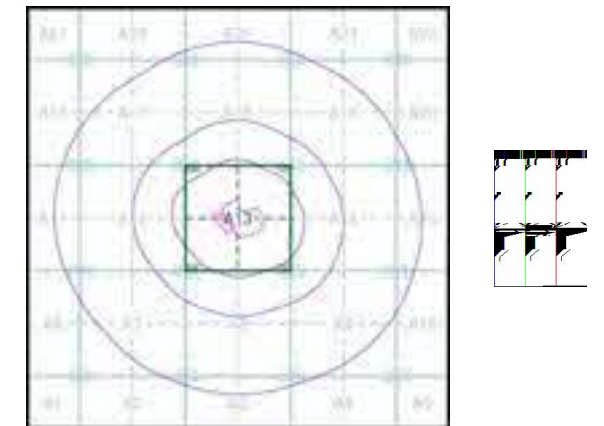
Source map scale - 1:10,560

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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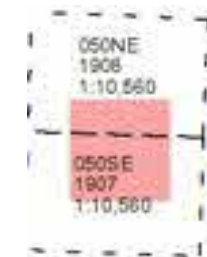
Cornwall & Isles Of Scilly

Published 1907 - 1908

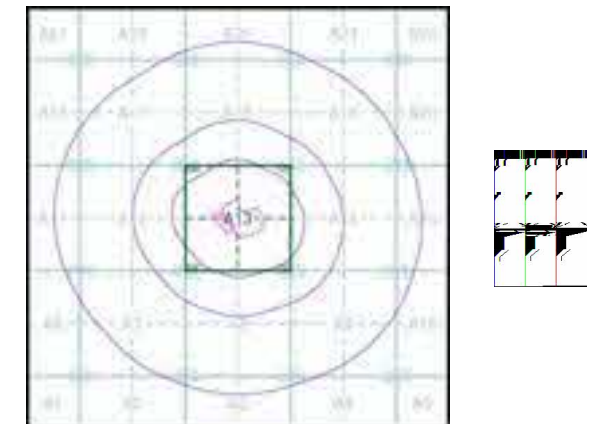
Source map scale - 1:10,560

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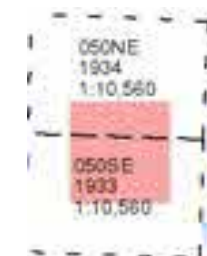
Cornwall & Isles Of Scilly

Published 1933 - 1934

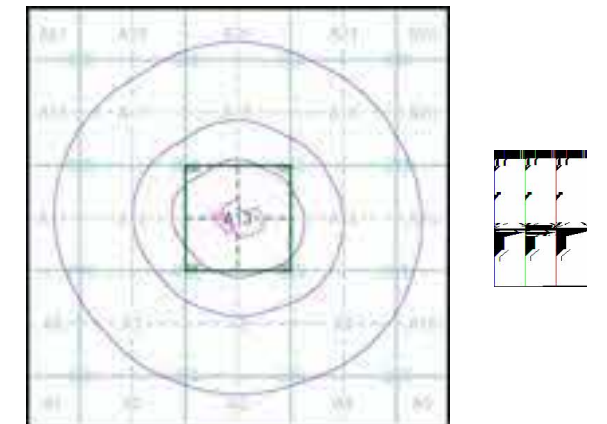
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Site Details

Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



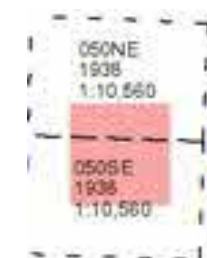
Cornwall & Isles Of Scilly

Published 1938

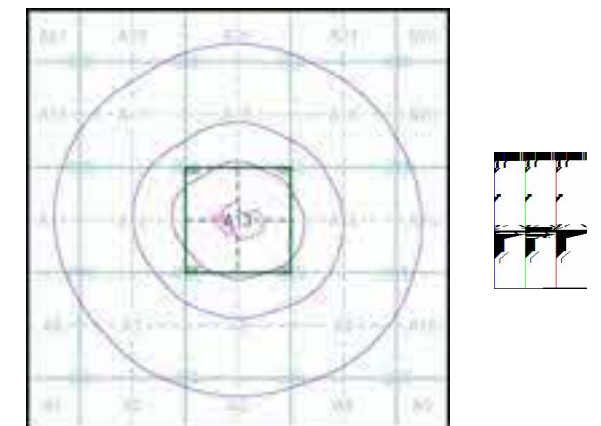
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



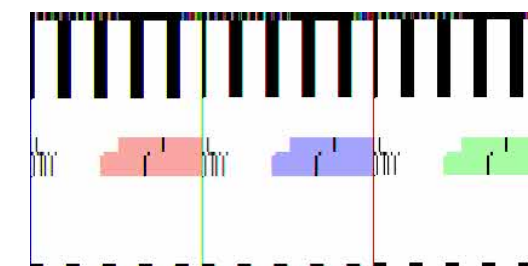
Ordnance Survey Plan

Published 1963

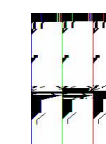
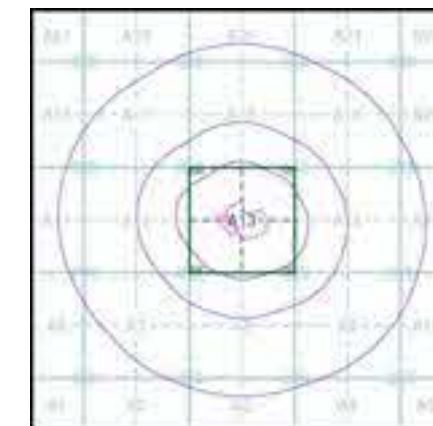
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



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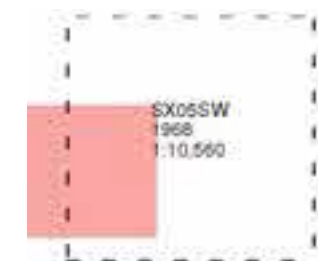
Ordnance Survey Plan

Published 1968

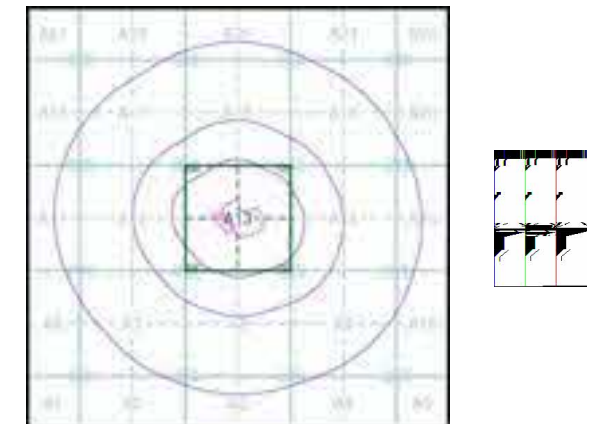
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
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Site Details

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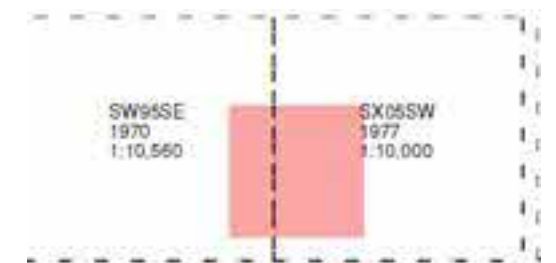
Ordnance Survey Plan

Published 1970 - 1977

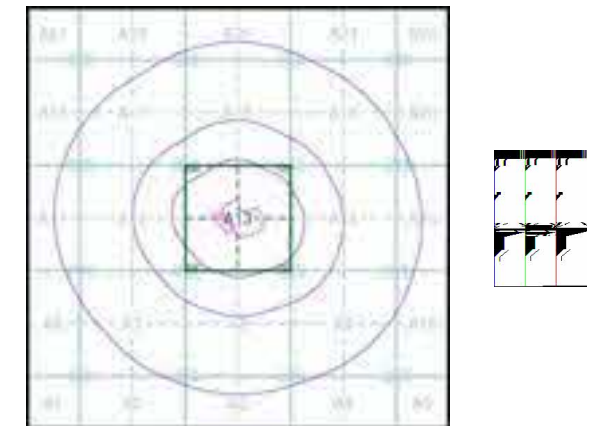
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

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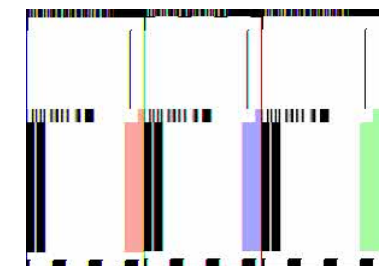
Ordnance Survey Plan

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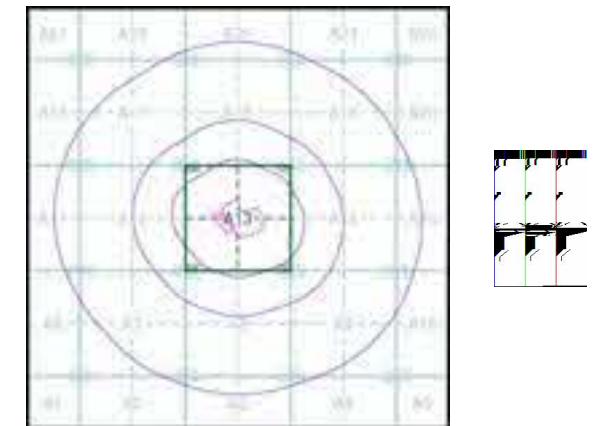
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



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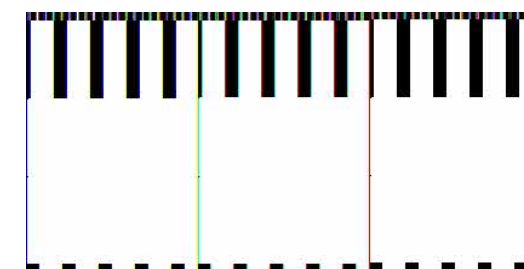
Ordnance Survey Plan

Published 1992 - 1995

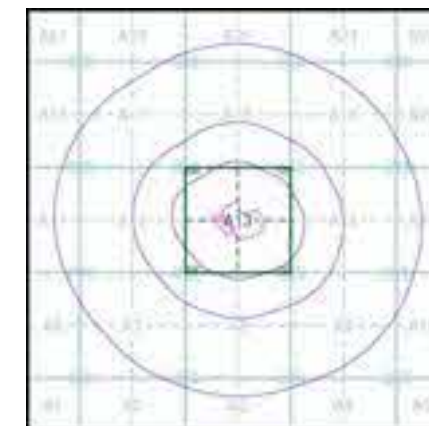
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



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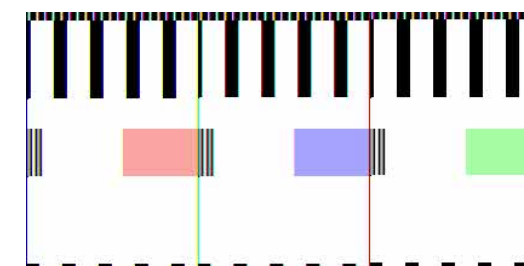
10k Raster Mapping

Published 2000

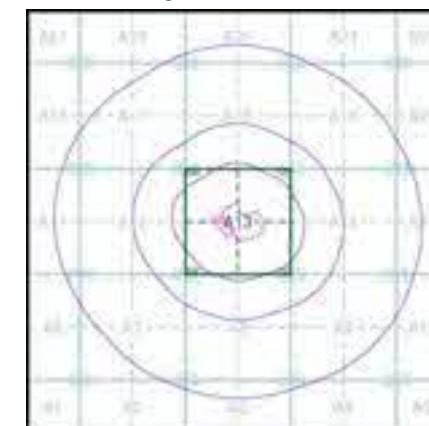
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



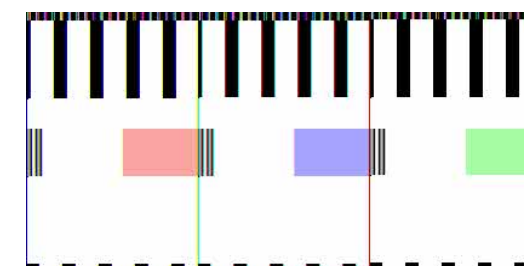
10k Raster Mapping

Published 2006

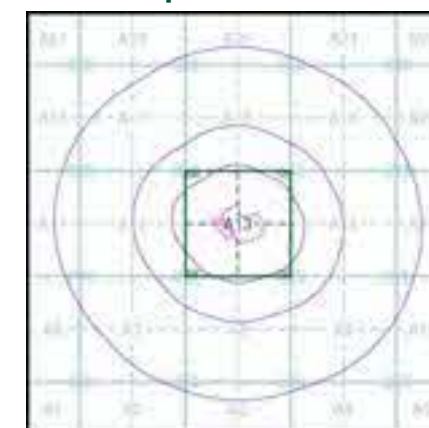
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



VectorMap Local

Published 2023

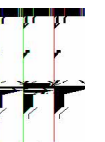
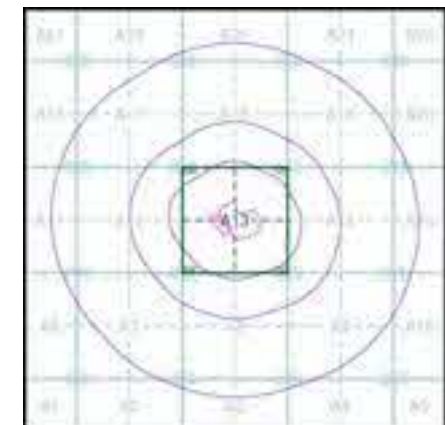
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

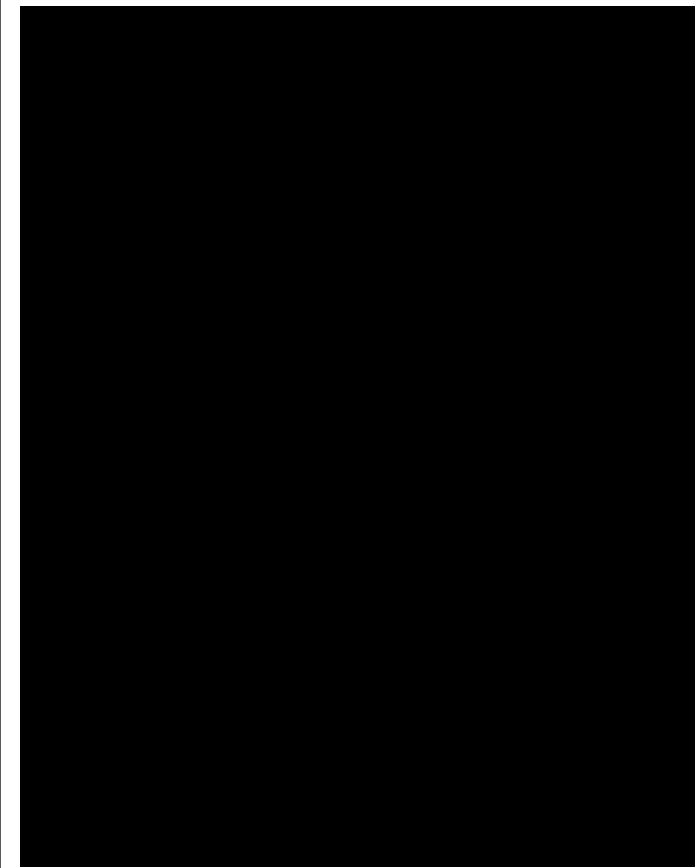
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Site Details

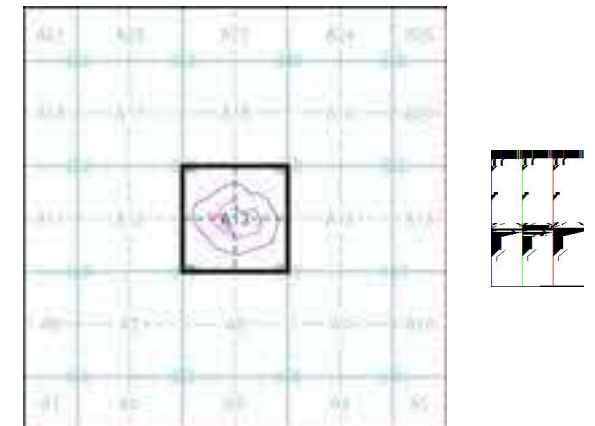
Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



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Site Sensitivity Map - Segment A13

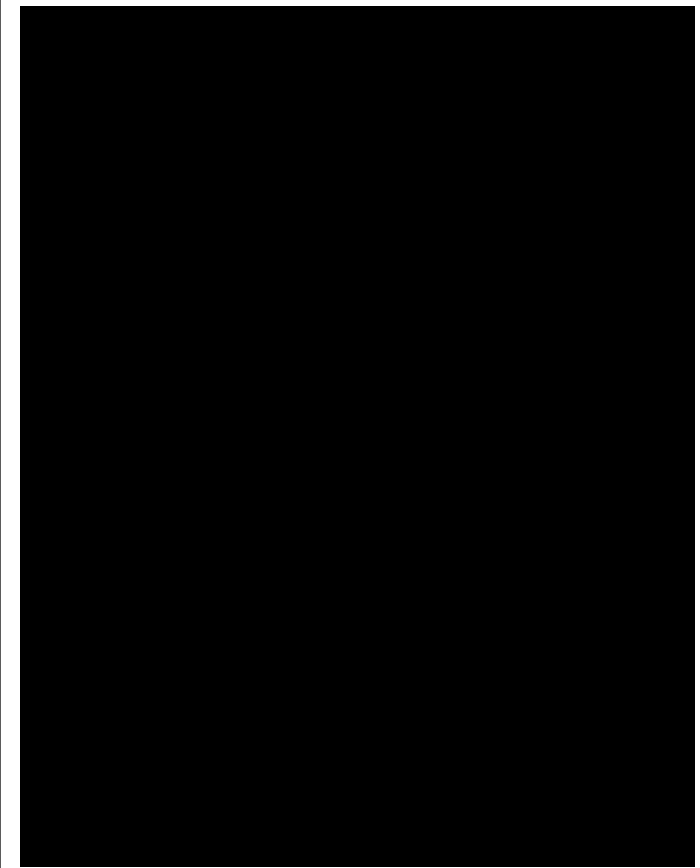


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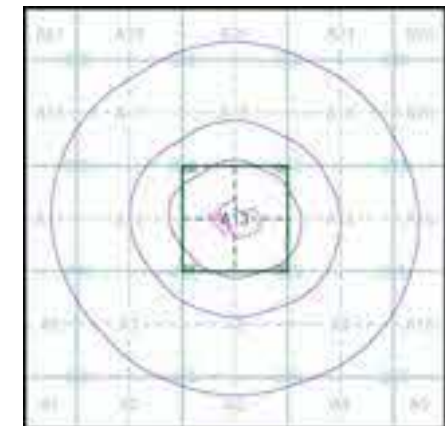
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Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Plot Buffer (m): 100

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Site Sensitivity Map - Slice A



Order Details

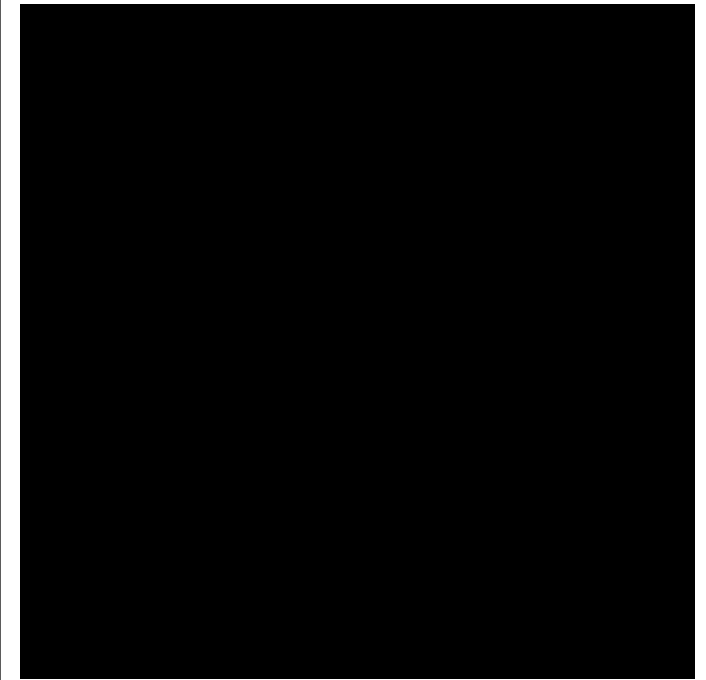
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Search Buffer (m): 1000

Site Details

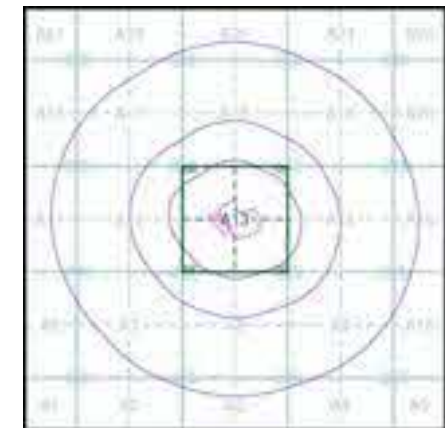
Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Industrial Land Use Map



Industrial Land Use Map - Slice A

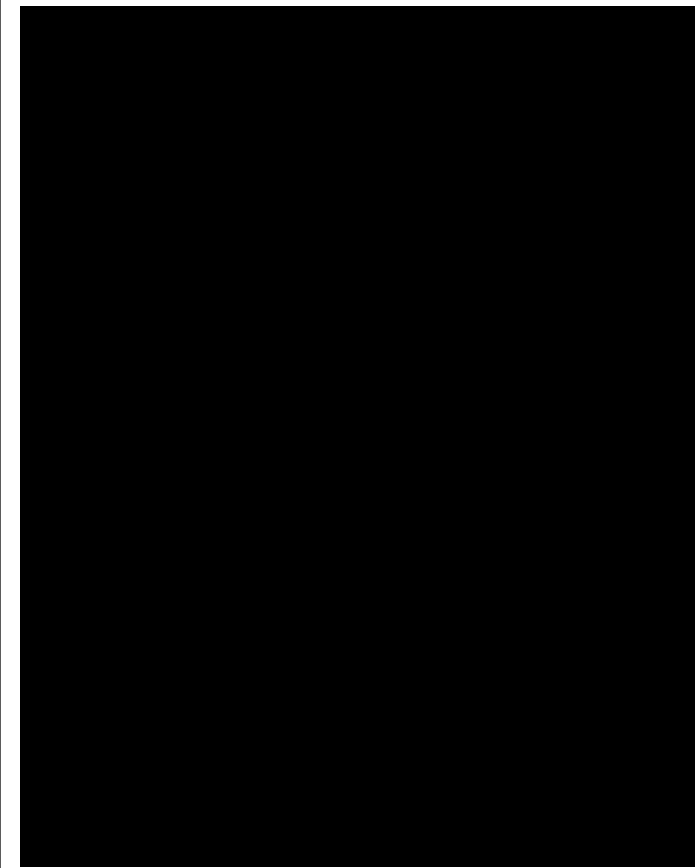


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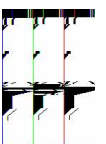
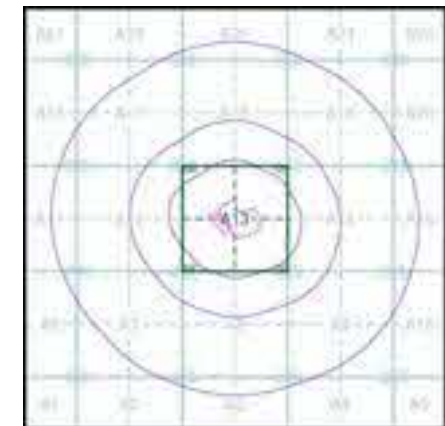
Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Flood Map - Slice A



Order Details

Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

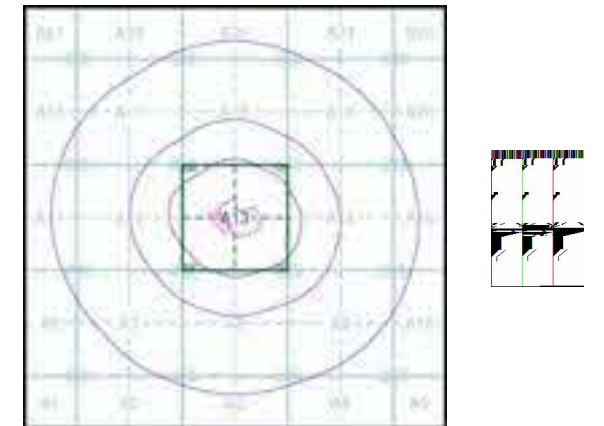
Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

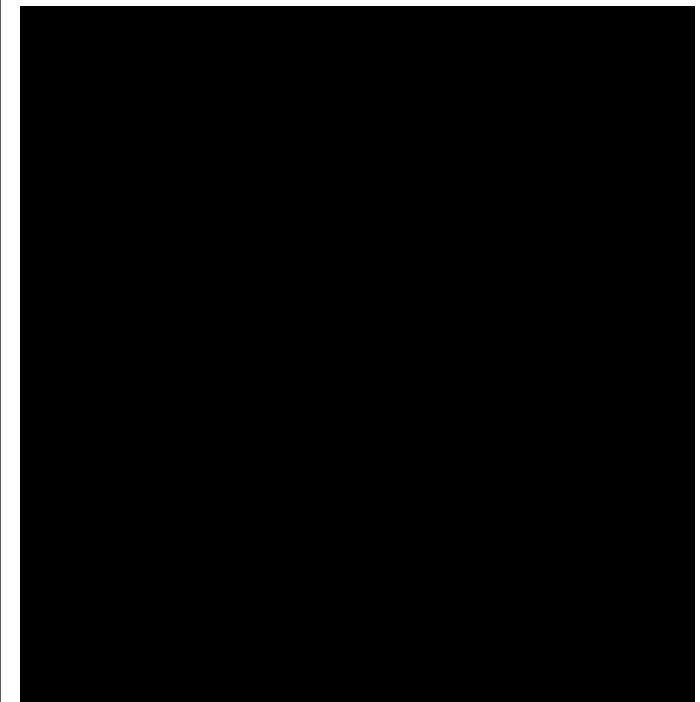


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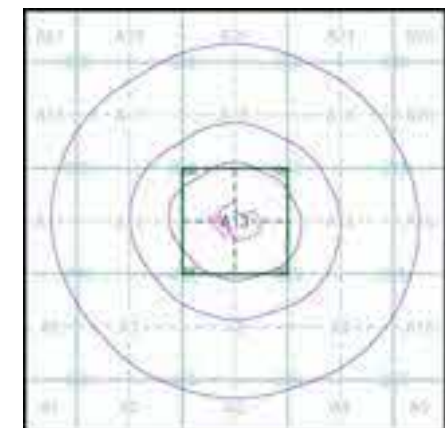
Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



OS Water Network Map - Slice A

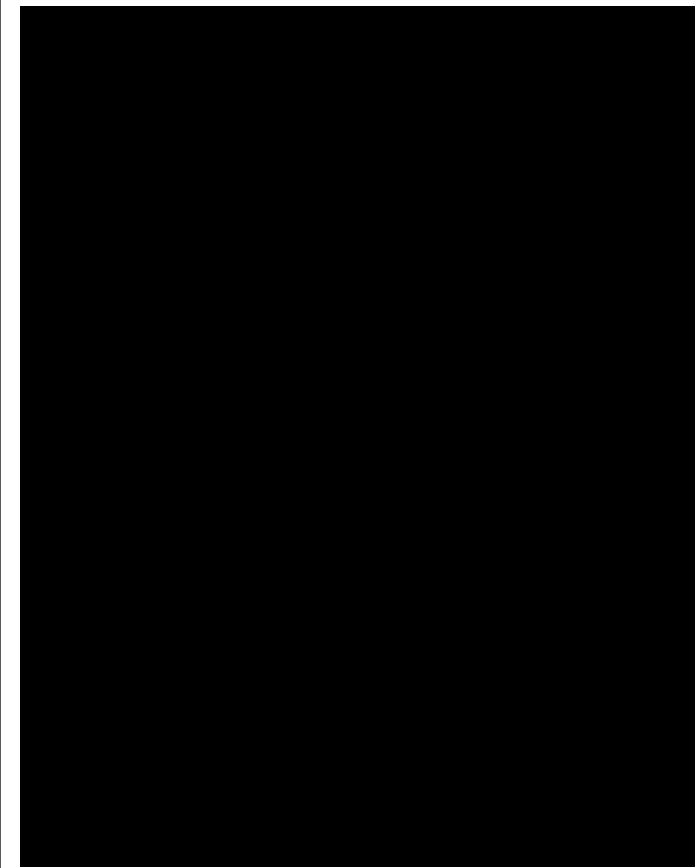


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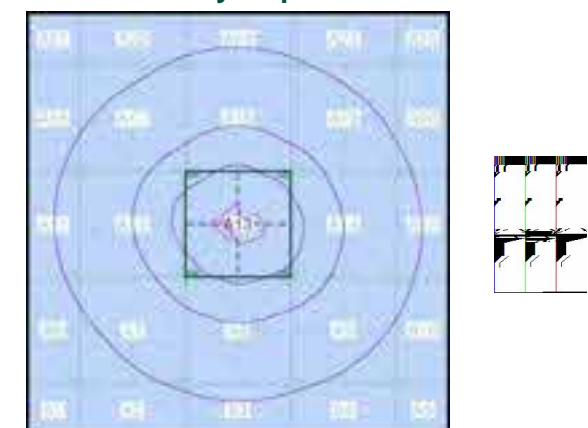
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Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



EANRW Suitability Map - Slice A

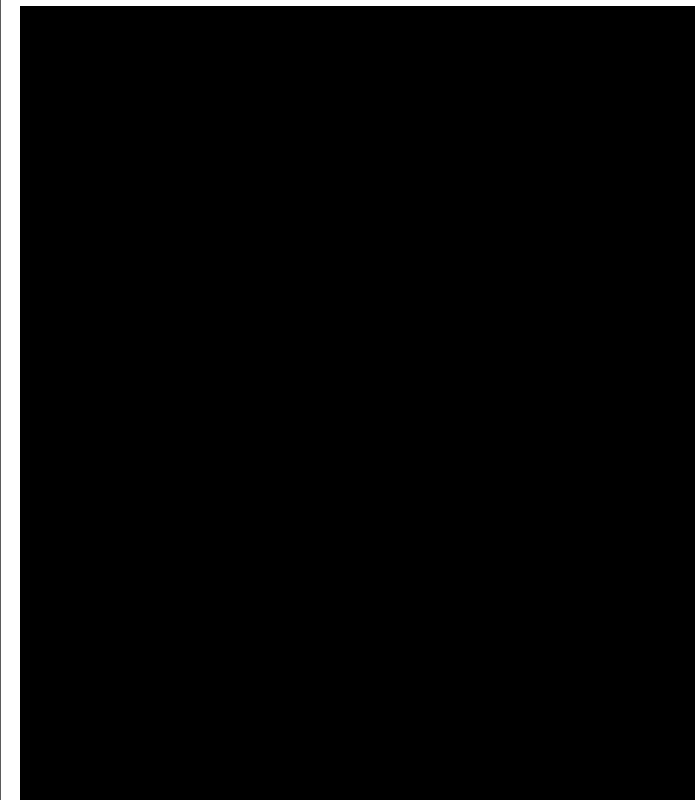


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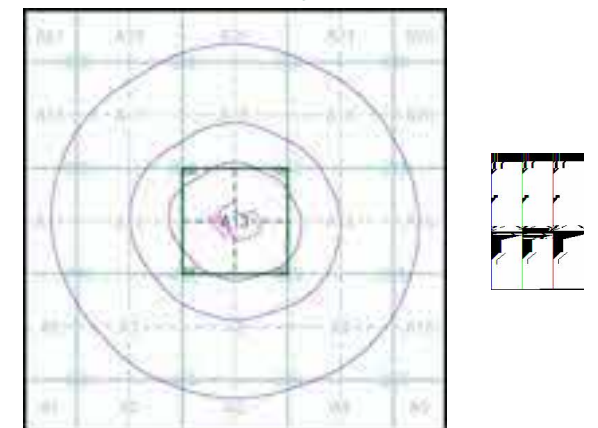
Order Number: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Estimated Soil Chemistry Arsenic - Slice A

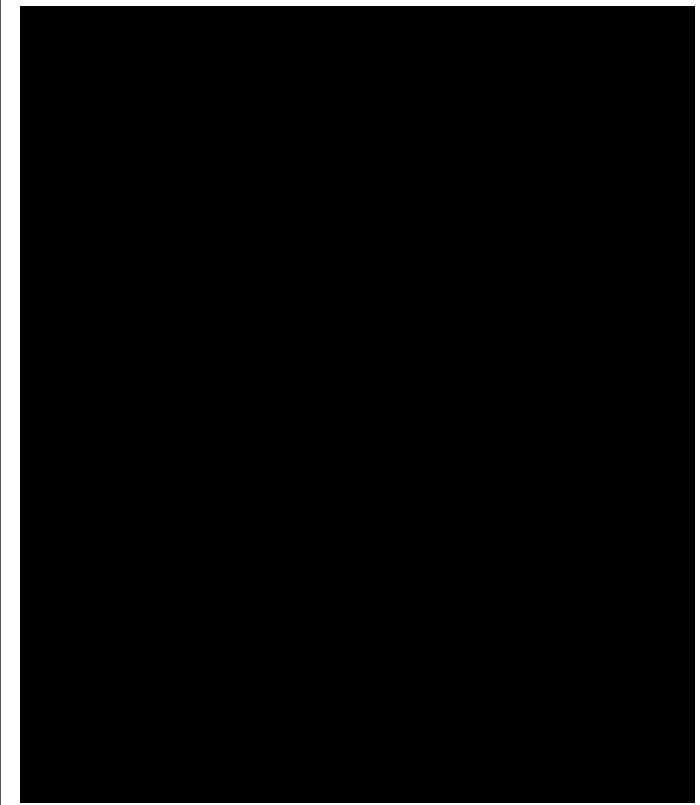


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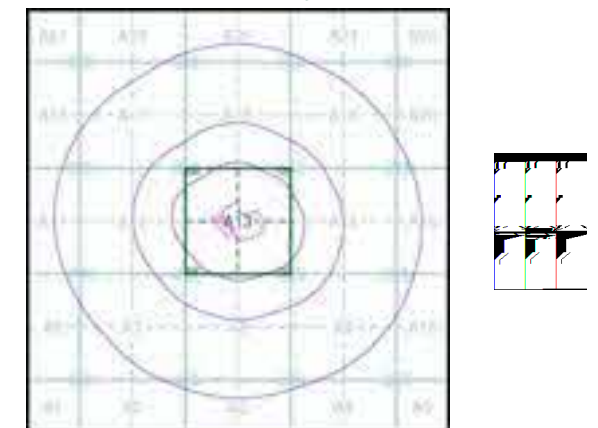
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Customer Ref: 23171
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Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Estimated Soil Chemistry Cadmium - Slice A

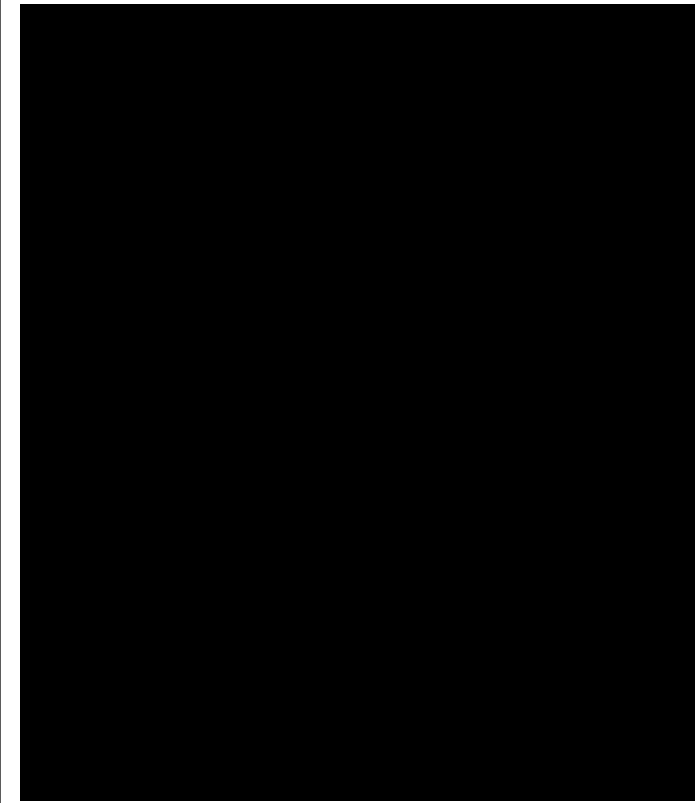


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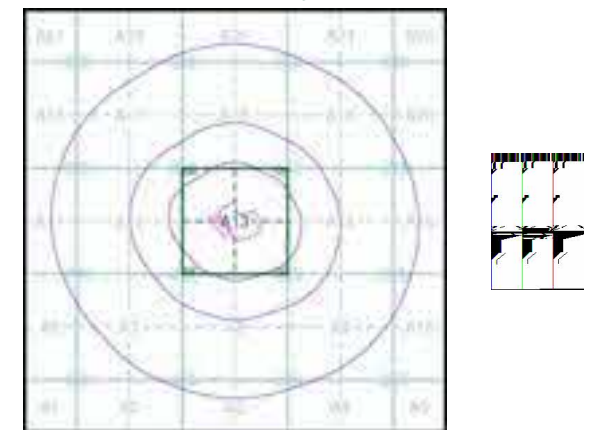
Order Details: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Estimated Soil Chemistry Chromium - Slice A

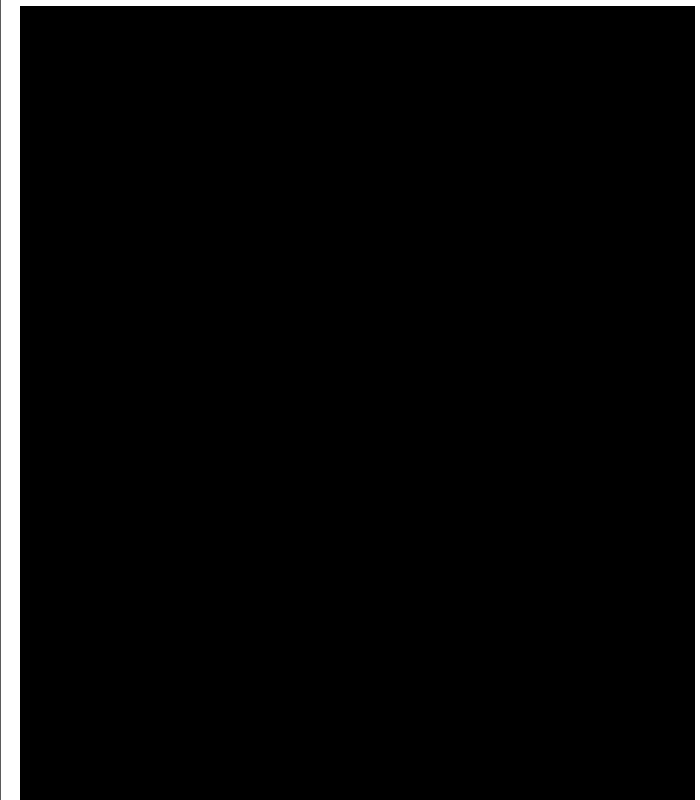


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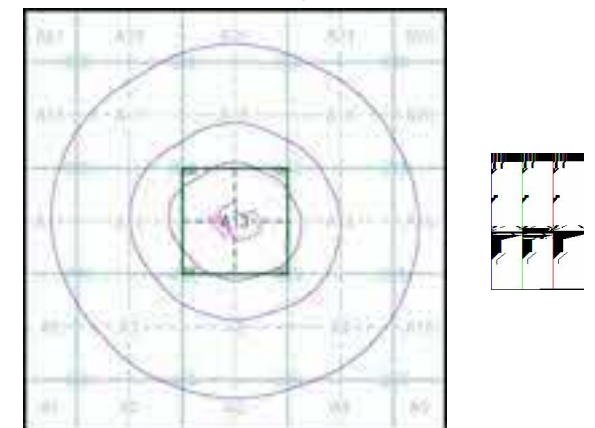
Order Details: 314880203_1_1
Customer Ref: 23171
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Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Estimated Soil Chemistry Lead - Slice A

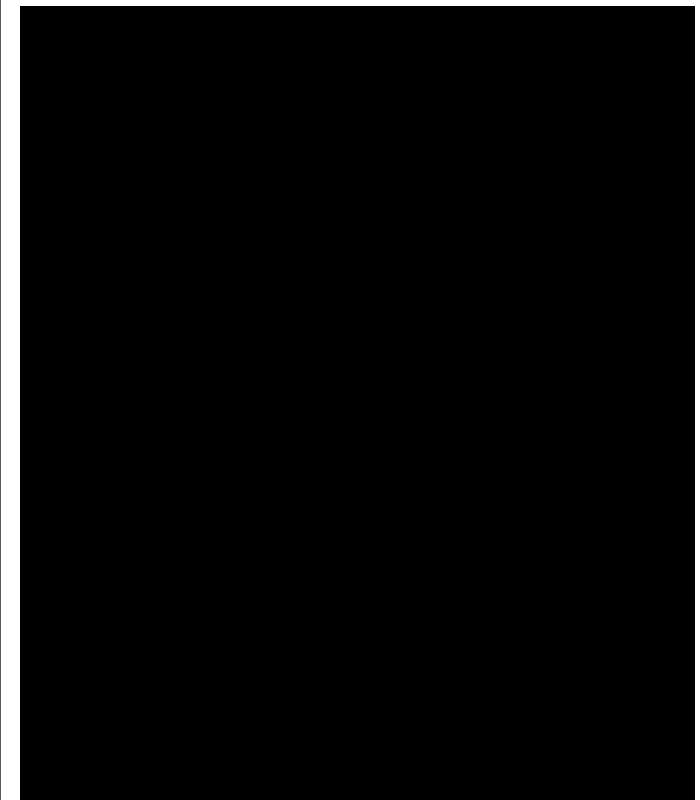


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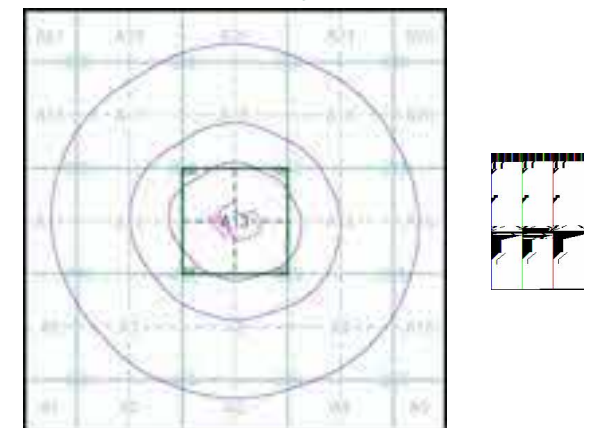
Order Details: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



Estimated Soil Chemistry Nickel - Slice A



Order Details



Order Details: 314880203_1_1
Customer Ref: 23171
National Grid Reference: 200460, 51840
Slice: A
Site Area (Ha): 4.49
Search Buffer (m): 1000

Site Details








Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS

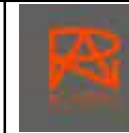
Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	UDP	Unnamed Dyke, Permian	Felsite	Not Supplied - Permian
	SAIN	St Austell Intrusion	Granite	Not Supplied - Carboniferous
	SAIN	St Austell Intrusion	Microgranite, Aplitic	Not Supplied - Carboniferous
	UIIDC	Unnamed Igneous Intrusion, Devonian to Carboniferous	Microgabbro	Not Supplied - Devonian
	TRDN	TRENDREAN MUDSTONE FORMATION	Mudstone and Siltstone	Not Supplied - Devonian
	TRDN	TRENDREAN MUDSTONE FORMATION	Hornfelsed Slate and Hornfelsed Sandstone	Not Supplied - Devonian
		Faults		



Geology 1:50,000 Maps

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

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	347
Map Name:	Bodmin
Map Date:	1982
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Not Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

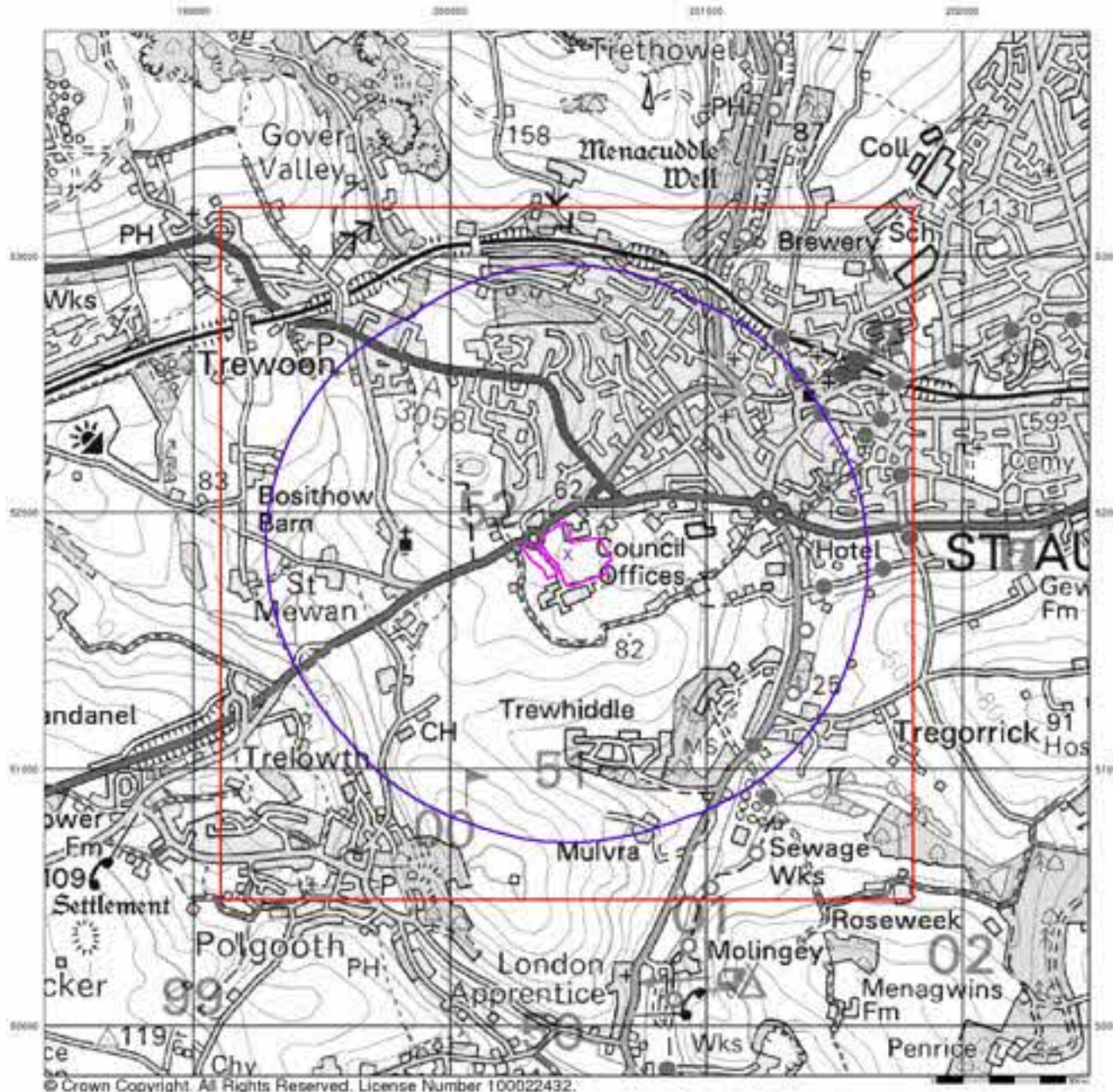


Order Details:

Order Number:	314880203_1_1
Customer Reference:	23171
National Grid Reference:	200460, 51840
Slice:	A
Site Area (Ha):	4.49
Search Buffer (m):	1000

Site Details:

Higher Trewiddle Farm, Alexanders Avenue, St Austell, PL25 5FS



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Artificial Ground and Landscip

Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landscip Map - Slice A



Order Details:

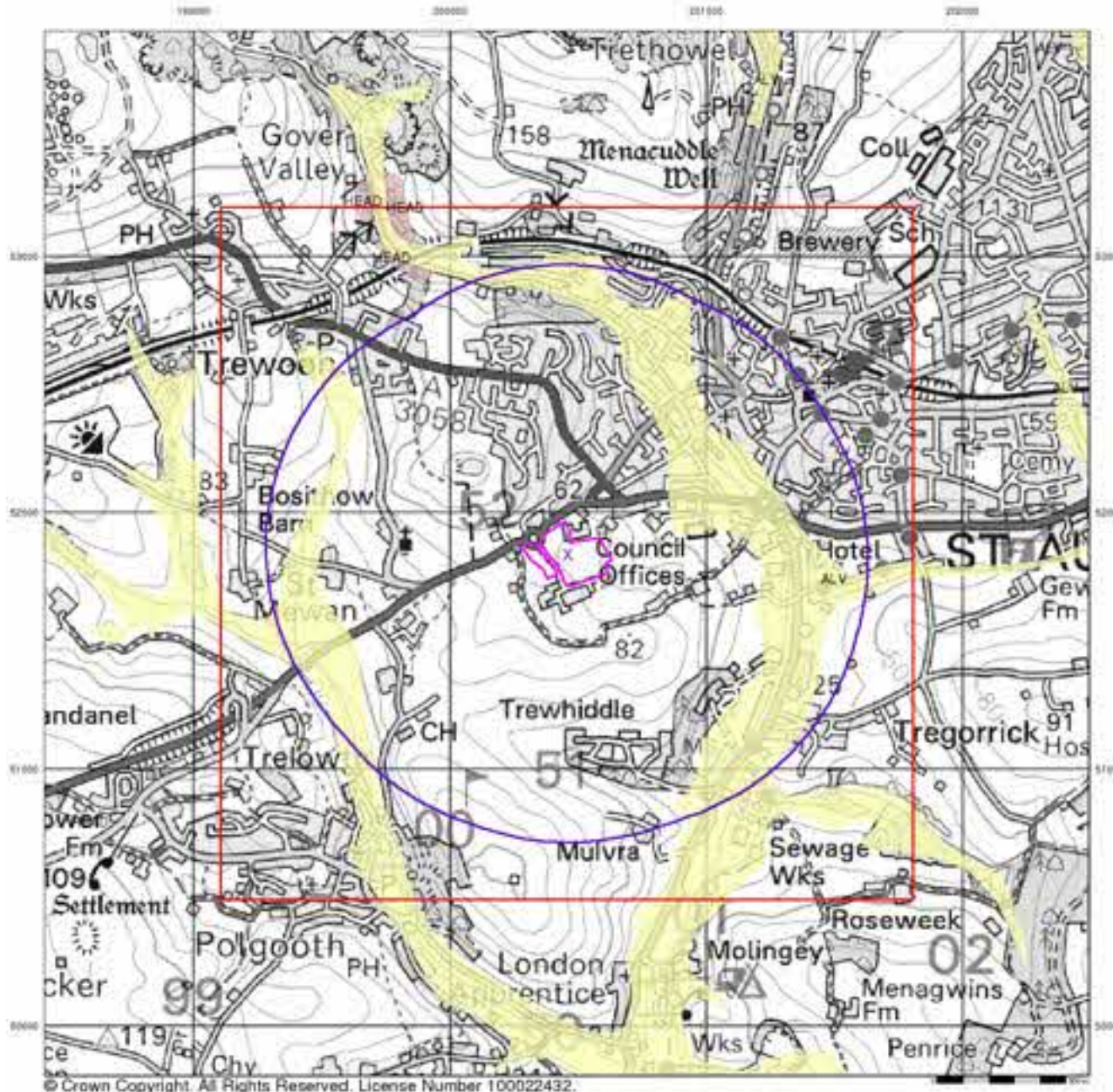
Order Number: 314880203_1_1
 Customer Reference: 23171
 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details:

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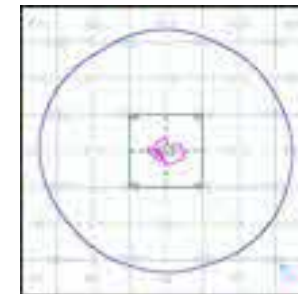
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details:

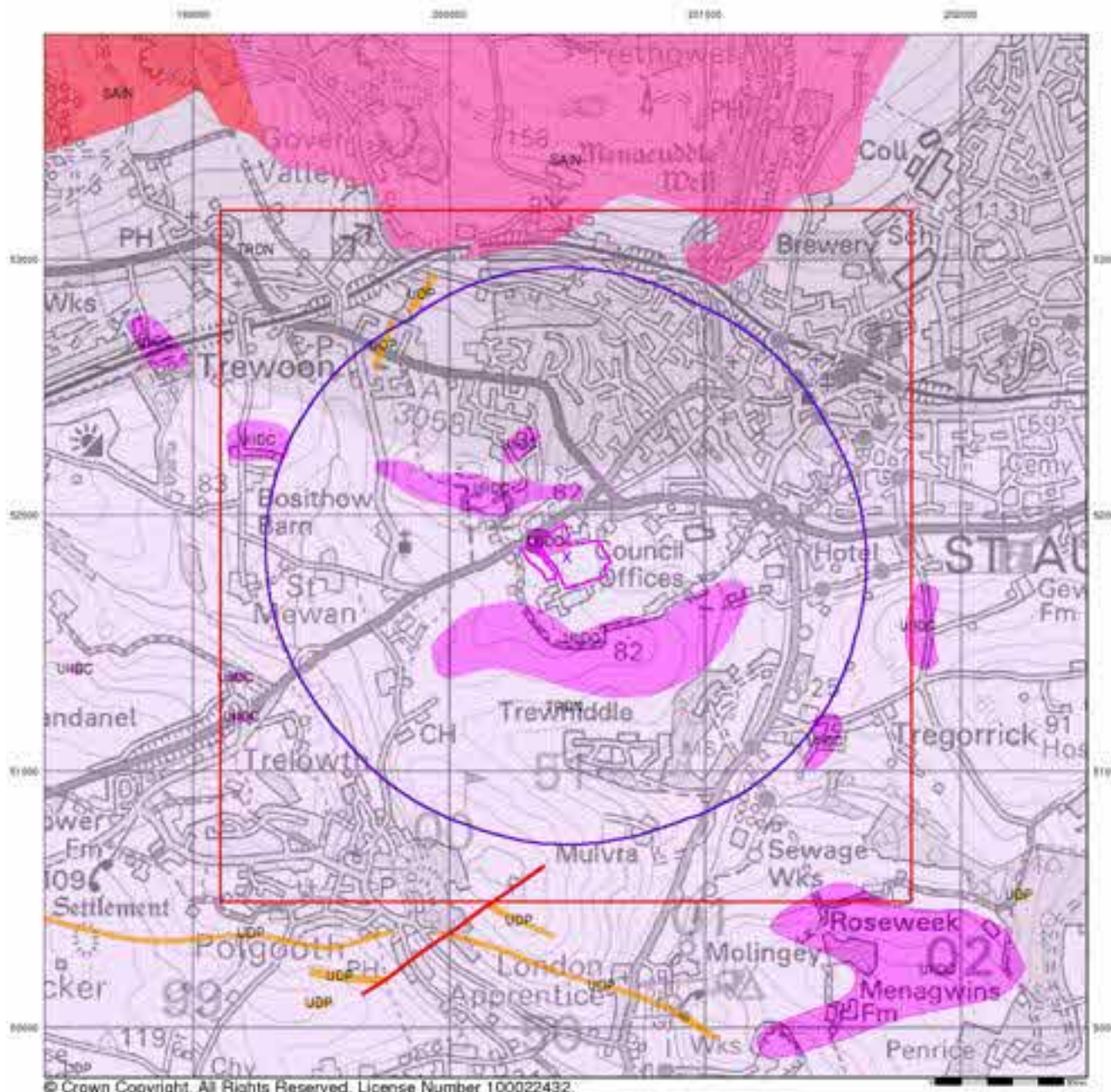
Order Number: 314880203_1_1
 Customer Reference: 23171
 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

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Bedrock and Faults

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

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

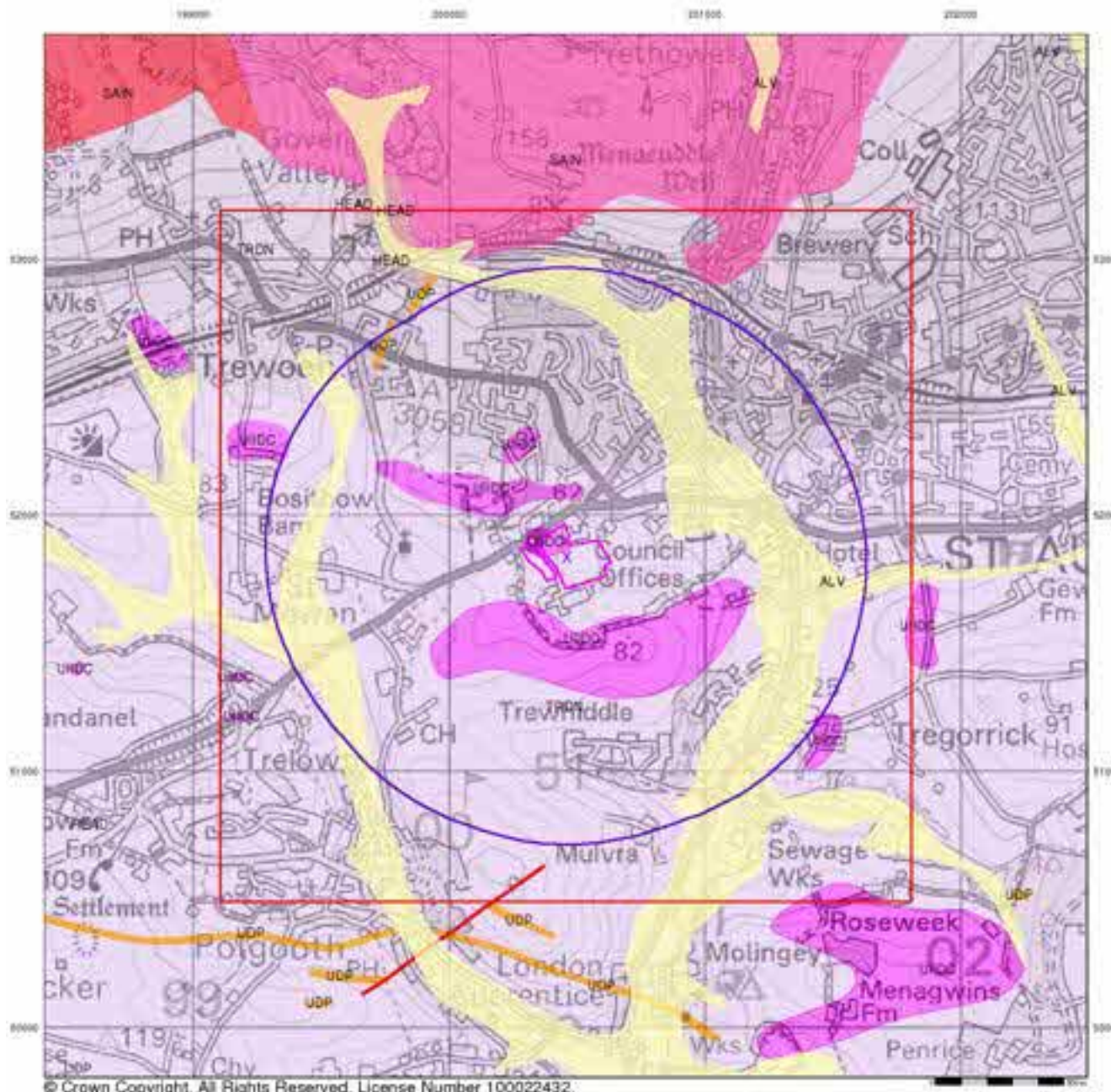
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 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details:

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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
 Kingsley Dunham Centre
 Keyworth
 Nottingham
 NG12 5GG
 Telephone: 0115 936 3143
 Fax: 0115 936 3276
 email: enquiries@bgs.ac.uk
 website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number: 314880203_1_1
 Customer Reference: 23171
 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details:

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Landmark
 INFORMATION GROUP

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Groundwater Vulnerability

General

- Site Area
- Specified Buffer
- Bearing Reference Point
- Site
- Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Improductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

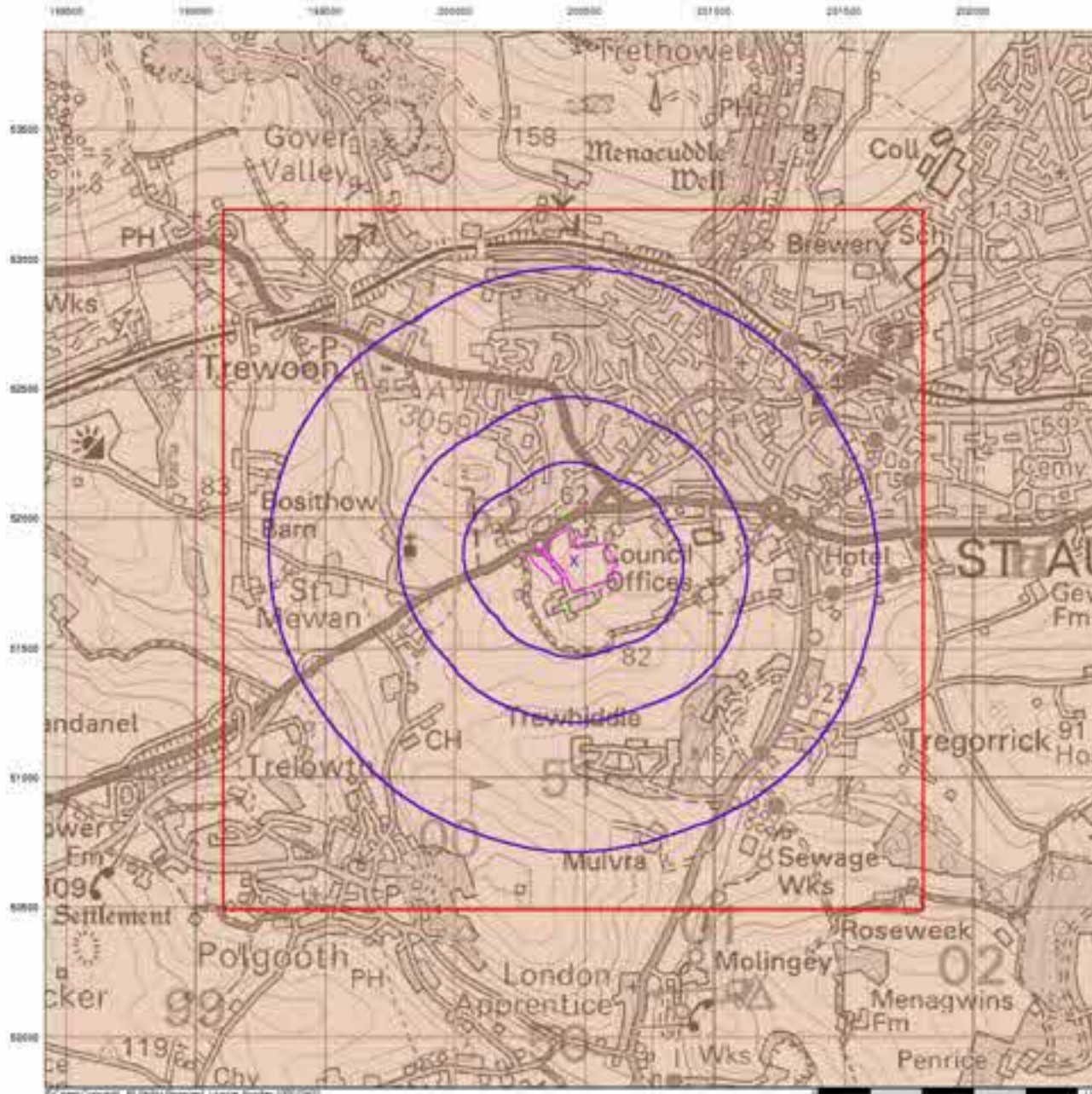
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 Slice: A
 Site Area (Ha): 4.49
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Site Details

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Landmark
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Bedrock Aquifer Designation

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Agency and Hydrological**
- Geological Classes**
- Principal Aquifer
 - Secondary A Aquifer
 - Secondary B Aquifer
 - Secondary Undifferentiated
 - Unproductive Strata
 - Unknown
 - Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

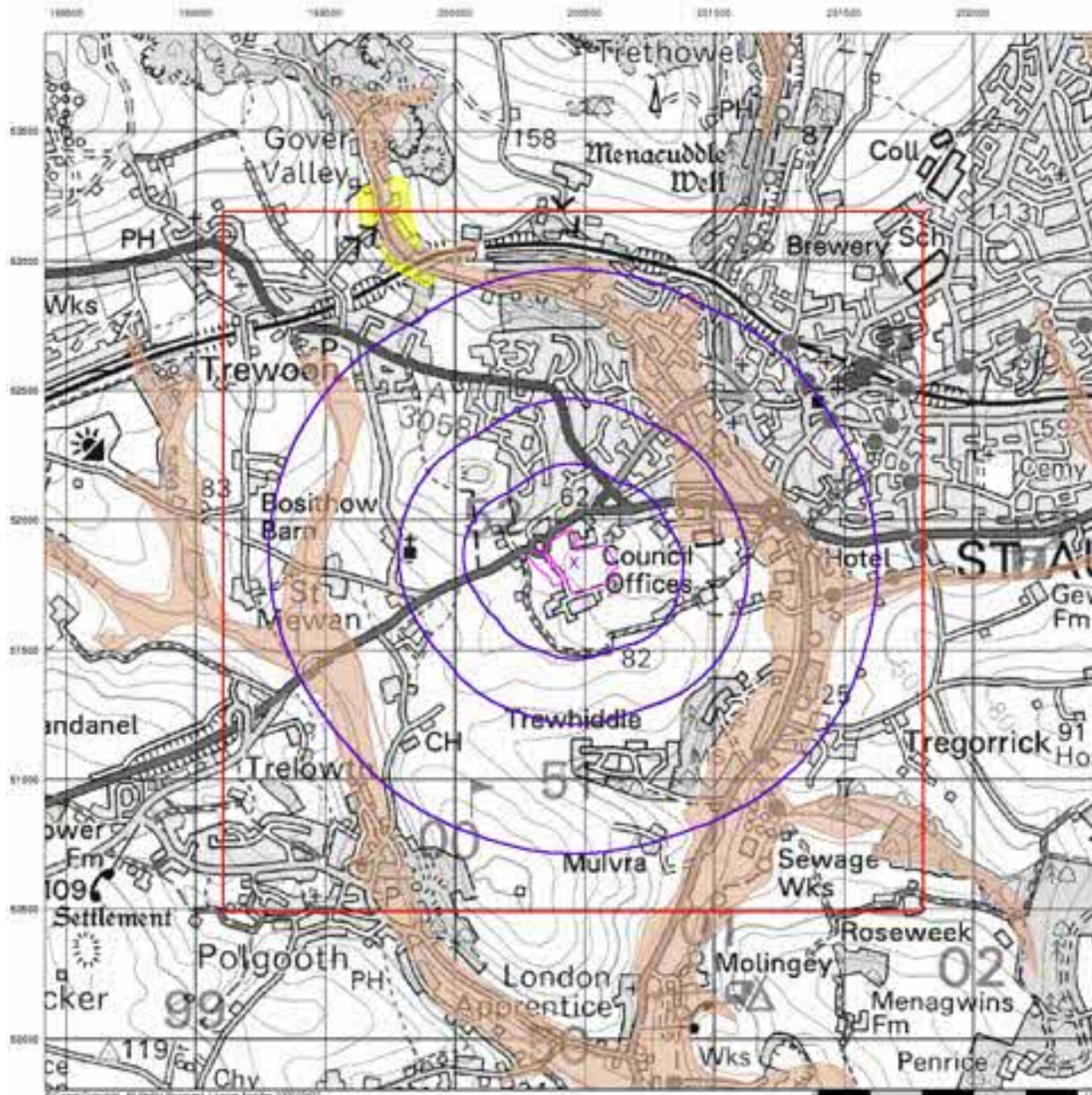
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 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

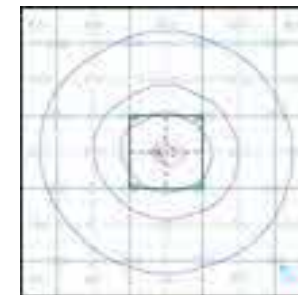
- Specified Site
- Slice
- Specified Buffer
- Map ID
- Bearing Reference Point

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

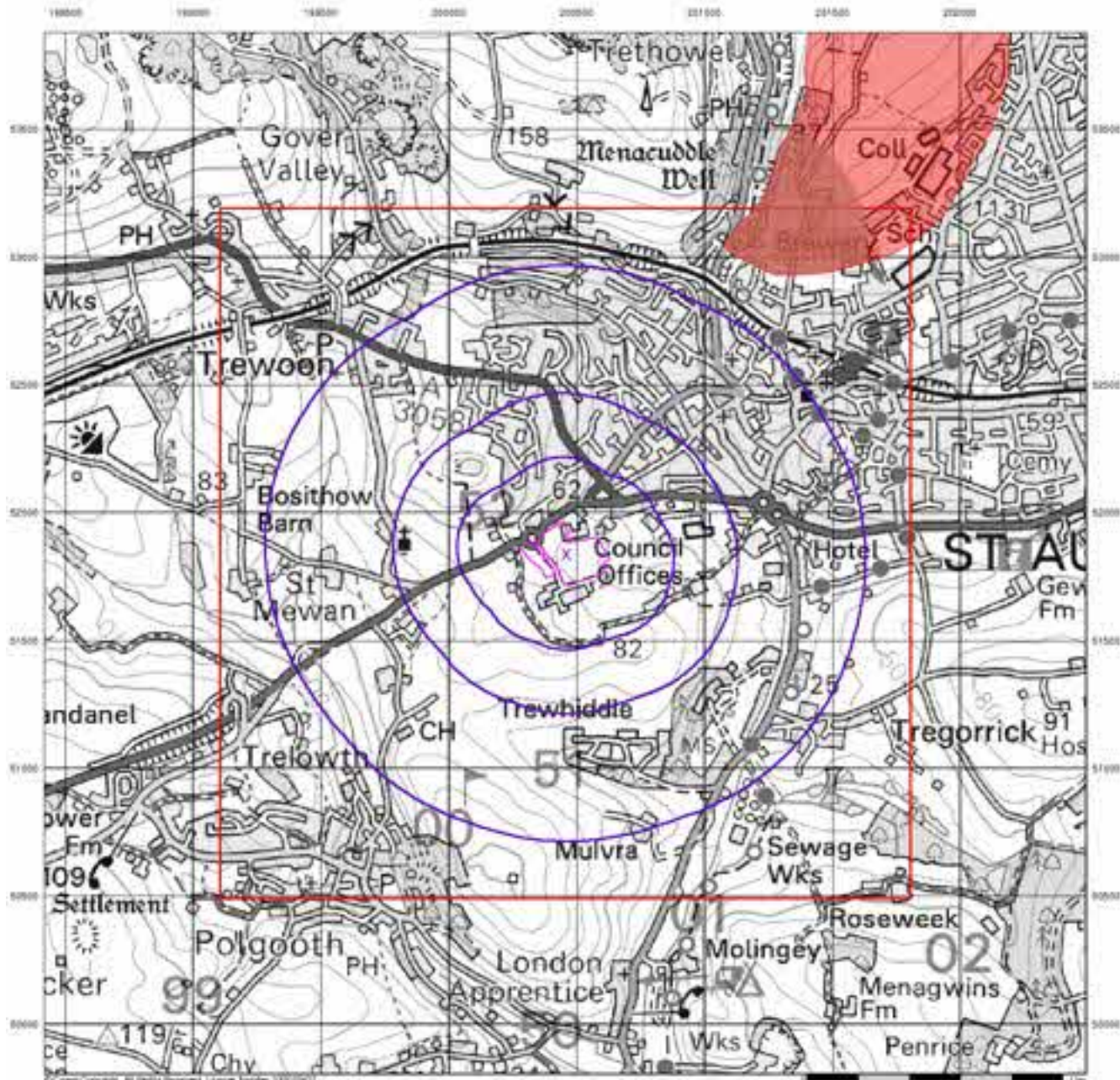
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 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

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Source Protection Zones

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Agency and Hydrological**
- Inner zone (Zone 1)
 - Inner zone - subsurface activity only (Zone 1c)
 - Outer zone (Zone 2)
 - Outer zone - subsurface activity only (Zone 2c)
 - Total catchment (Zone 3)
 - Total catchment - subsurface activity only (Zone 3c)
 - Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

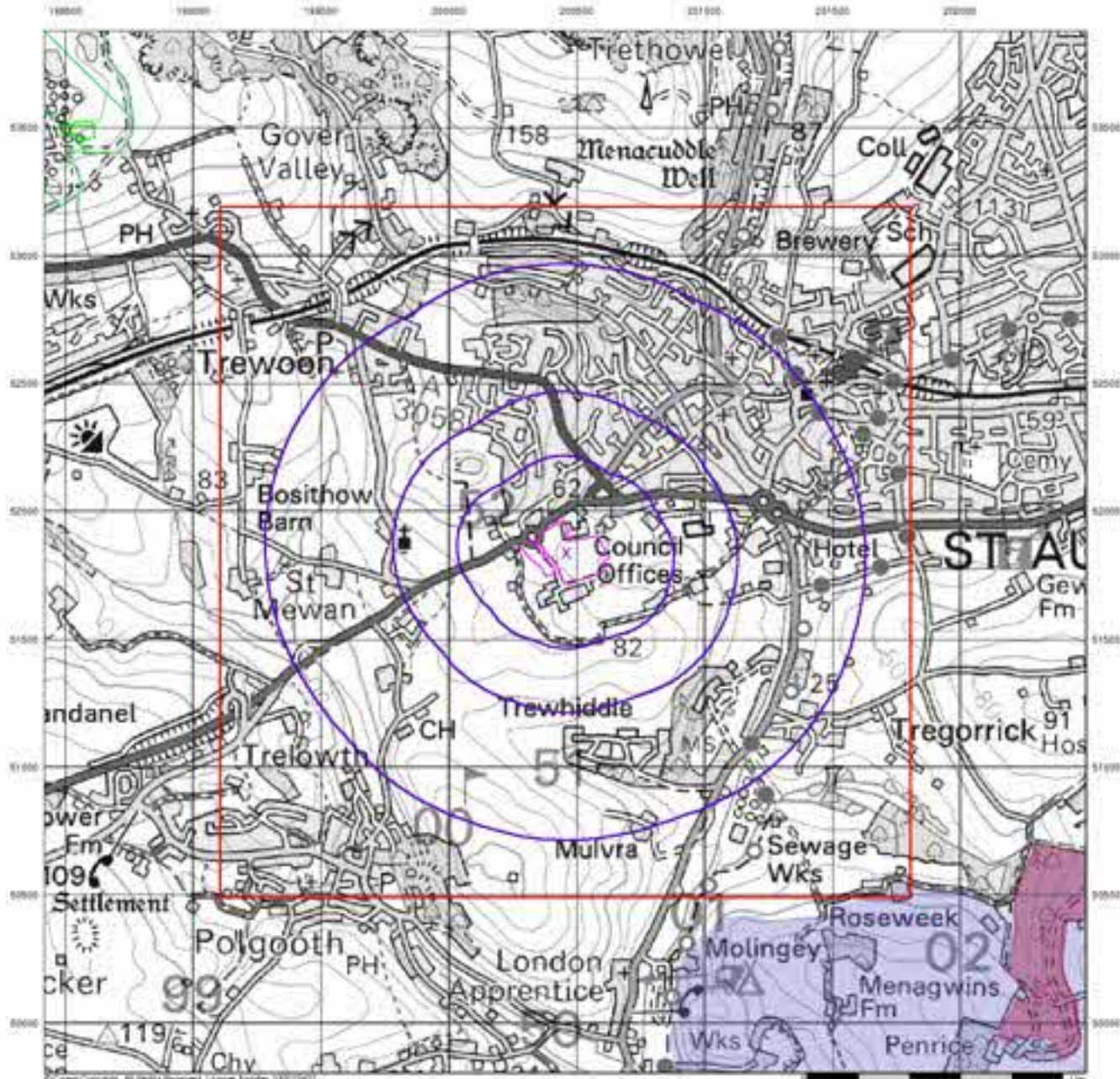
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 Customer Ref: 23171
 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

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Sensitive Land Uses

- General**
- Specified Site
 - Specified Buffer
 - Bearing Reference Point
 - Slice
 - Map ID
- Sensitive Land Uses**
- Ancient Woodland
 - Area of Adopted Green Belt
 - Area of Unadopted Green Belt
 - Area of Outstanding Natural Beauty
 - Environmentally Sensitive Area
 - Forest Park
 - Local Nature Reserve
 - Marine Nature Reserve
 - National Nature Reserve
 - National Park
 - Nitrate Sensitive Area
 - Nitrate Vulnerable Zone
 - Ramsar Site
 - Site of Special Scientific Interest
 - Special Area of Conservation
 - Special Protection Area
 - World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

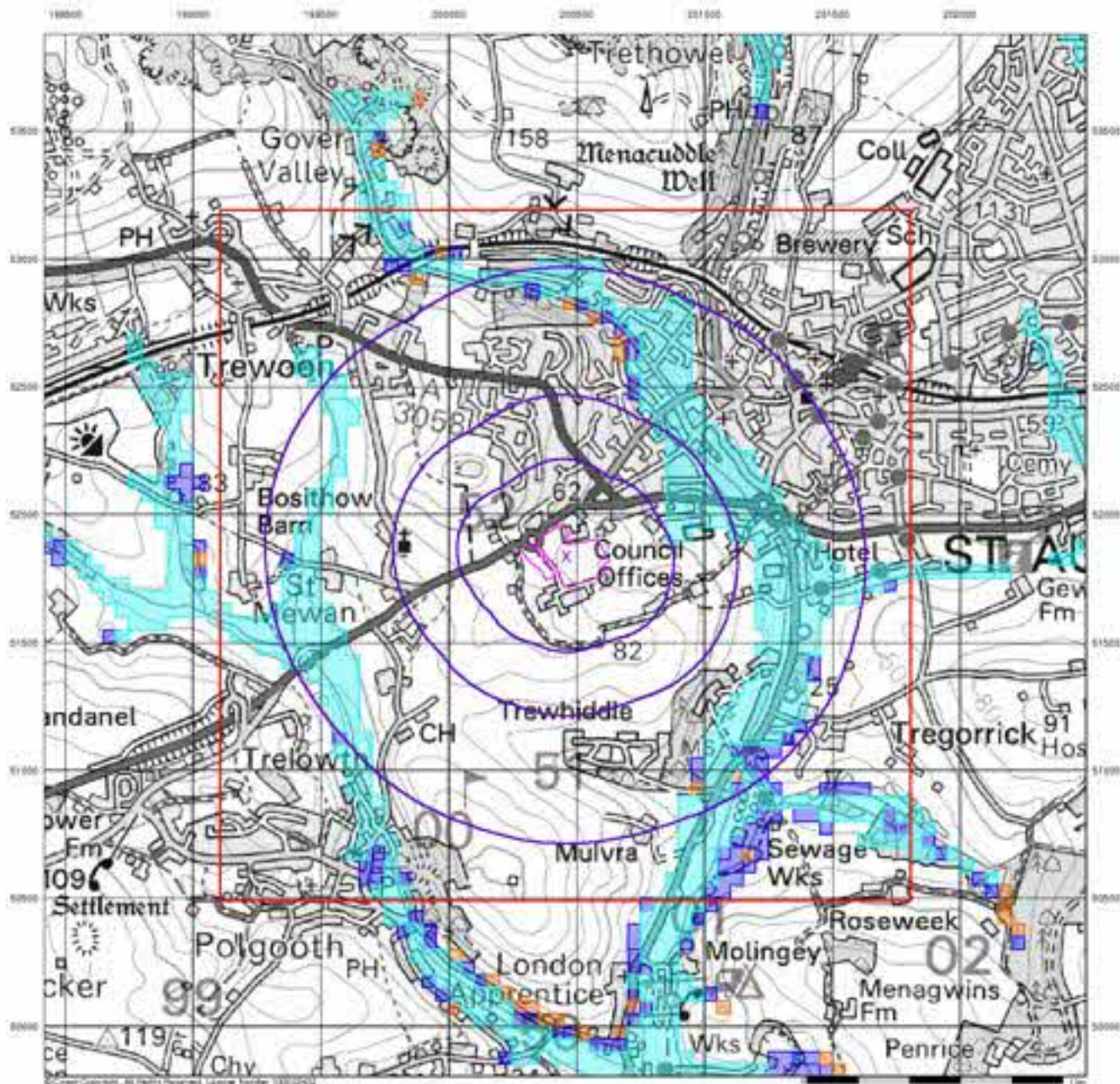
Order Number: 314880203_1_1
 Customer Ref: 23171
 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

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BGS Flood GFS Data

- General**
- Specified Site
 - Specified Buffer(s)
 - Existing Reference Point
 - Site
- Agency and Hydrological (Flood)**
- Limited Potential for Groundwater Flooding to Occur
 - Potential for Groundwater Flooding of Property Situated Below Ground Level
 - Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

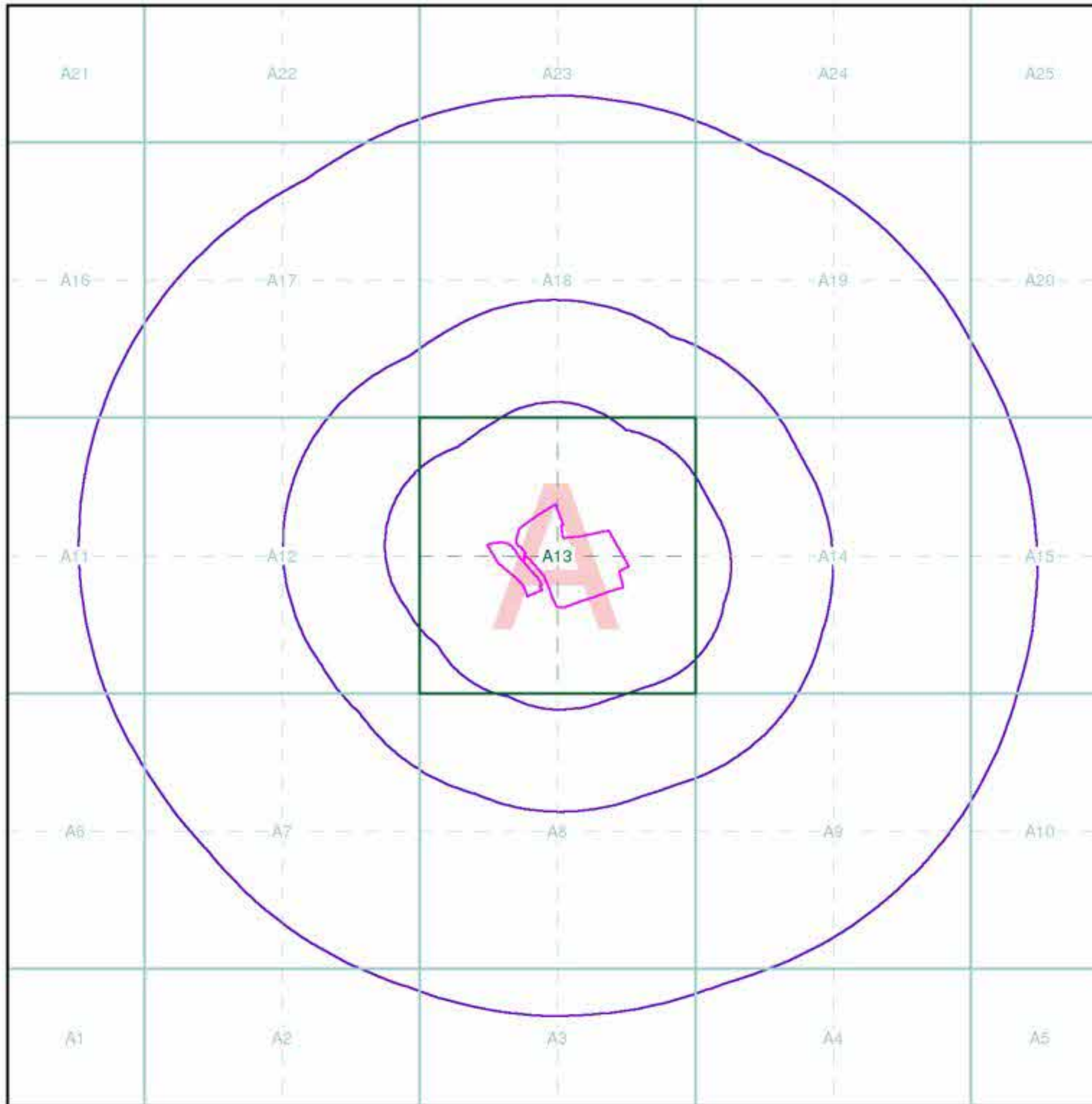
Order Number: 314880203_1_1
 Customer Ref: 23171
 National Grid Reference: 200460, 51840
 Slice: A
 Site Area (Ha): 4.49
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Index Map

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

Slice

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

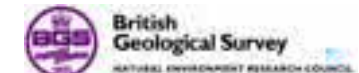
Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Miss L Quick, Karn Geoservices Ltd, 9 Broad Street, Truro, Cornwall, TR1 1JD

Order Details

Order Number: 314880203_1_1
 Customer Ref: 23171
 National Grid Reference: 200470, 51830
 Site Area (Ha): 4.49
 Search Buffer (m): 1000

Site Details

Higher Trehiddle Farm, Alexanders Avenue, St Austell, PL25 5FS

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



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APPENDIX 5

HISTORICAL MINING SEARCH

WESTCOUNTRY MINES

& PROPERTY SURVEYS

MINING SUBSIDENCE CONSULTANTS

Grove Farm, East Hill, Blackwater, Truro, Cornwall TR4 8EG
Tel & Fax: 01872 562837 E-mail: info@westcountrymines.co.uk

Your Ref: 10386

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

CLEAR MINING SEARCH

31st July 2023

Dear Sirs,

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

REFERENCE

HIGHER TREWHIDDLE FARM, TREWHIDDLE, ST AUSTELL, CORNWALL.
NATIONAL GRID REFERENCE SX 005518 REPORT REF: 69880.

INTRODUCTION

The property, located on the southern outskirts of St Austell lies within an historic mining area with intensive underground and surface activity. This report undertakes to advise only on possible untoward past metalliferous mining features likely to present a future risk to ground and structural stability.

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

GEOLOGY

The country rocks are mudstones and siltstones of the Devonian Trendrean formation (Meadfoot group), overlain in the valley bottoms to the south with shallow deposits of alluvium. Mineralised lode structures, mostly in the form of narrow and steeply dipping veins, irregularly traverse the area with a general trend of WNW-ESE. Massive intrusions of greenstone and elvan dykes also occur and run parallel with the lodes while crosscourses or faults, some of which are mineralised, cut and displace the lodes at approximate right angles to their trend.

MINING HISTORY

The property lies to the south west of the Carvath United or West Polmear mining sett with Polgooth Mine to the south west. Carvath was reputed to have produced tin in 1785 when the mine had been known as Wheal Change. Polgooth Mine worked a rich tin deposit from an early period. The mine produced substantial tonnages of tin during the 17th Century when it also possessed its own smelting works. Polgooth intermittently worked until the late 19th Century but generally ceased by 1894.

MINING APPRAISAL

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

As can be seen there are no recorded metalliferous mining features in the immediate vicinity of the property.

It is indicated, a lode structure lies some 350 metres to the west of the property. The exact location of the lode is unknown, it is also possible that this feature is a hypothetical representation or is barren of mineralisation and unworked in the immediate vicinity. Although significant and extensive workings would not be expected, very often these features may indicate the presence of early and unrecorded trial or exploratory workings.

Gover Mine lies approximately 900 metres to the north west of the properties north western boundaries.

Polgooth Mine lies some 970 metres to the south of the properties southern boundaries.

Small disused quarries surround and are found within the search plan area, the nearest example being located some 75 metres to the west of the properties south western boundary, and while these features are not confirmed, or in this instance believed to be mining related, very often within mining areas old abandoned mining features were later recorded as quarries, wells or ponds.

Early Ordnance Survey plans show the site of the property to be undisturbed by any surface signs of past metalliferous mining activity.

There is no evidence of deep underground workings in the immediate vicinity of the property although the presence of early shallow workings cannot be entirely ruled out.

It is considered unlikely that future metalliferous mining operations would be carried out within this district.

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

LIMITATIONS

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

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

CONCLUSIONS

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

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

Yours faithfully,

A handwritten signature in cursive script that reads "Westcountry Mines & Property Surveys". The signature is written in dark ink on a light-colored background.

Westcountry Mines and Property Surveys

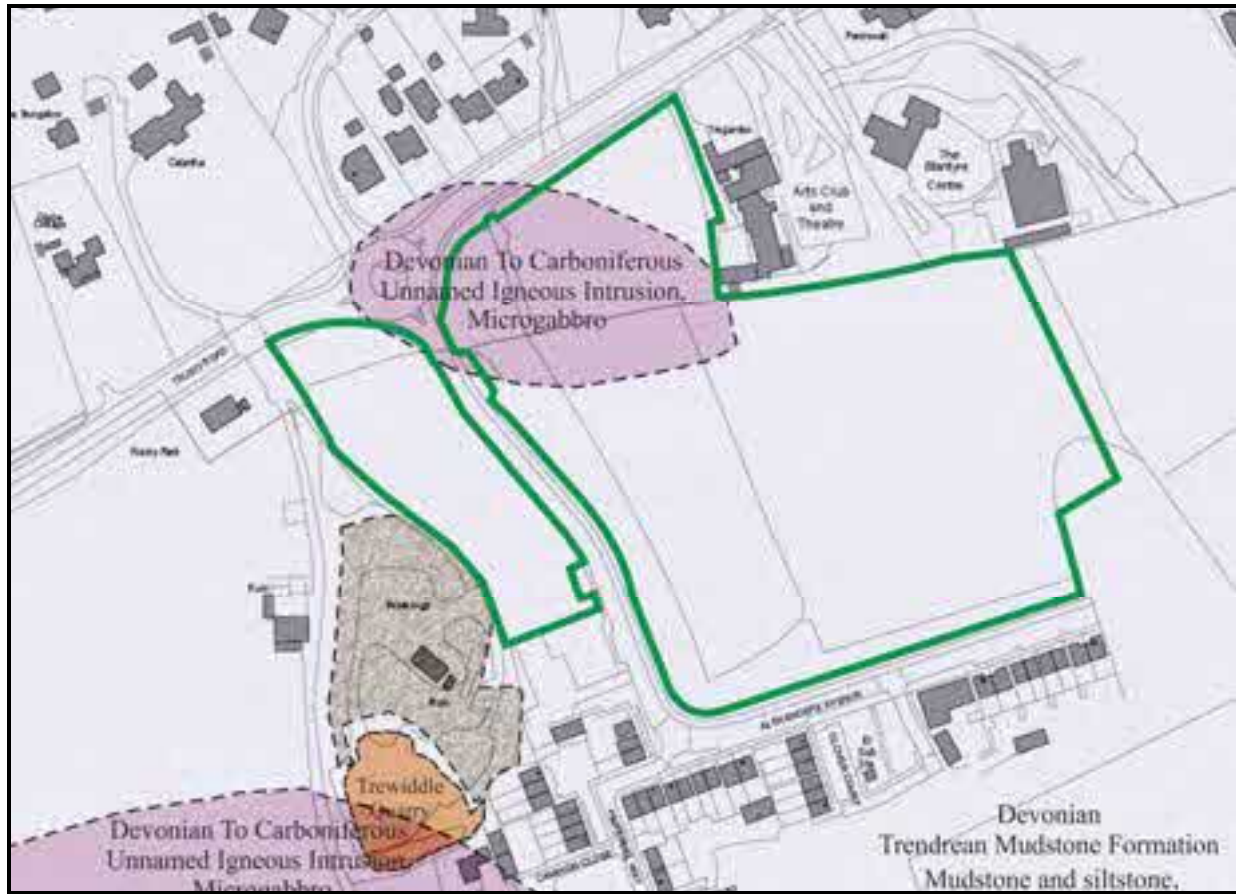
GLOSSARY

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

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MINING SEARCH PLAN
**HIGHER TREWHIDDLE FARM, TREWHIDDLE, ST AUSTELL,
 CORNWALL.**



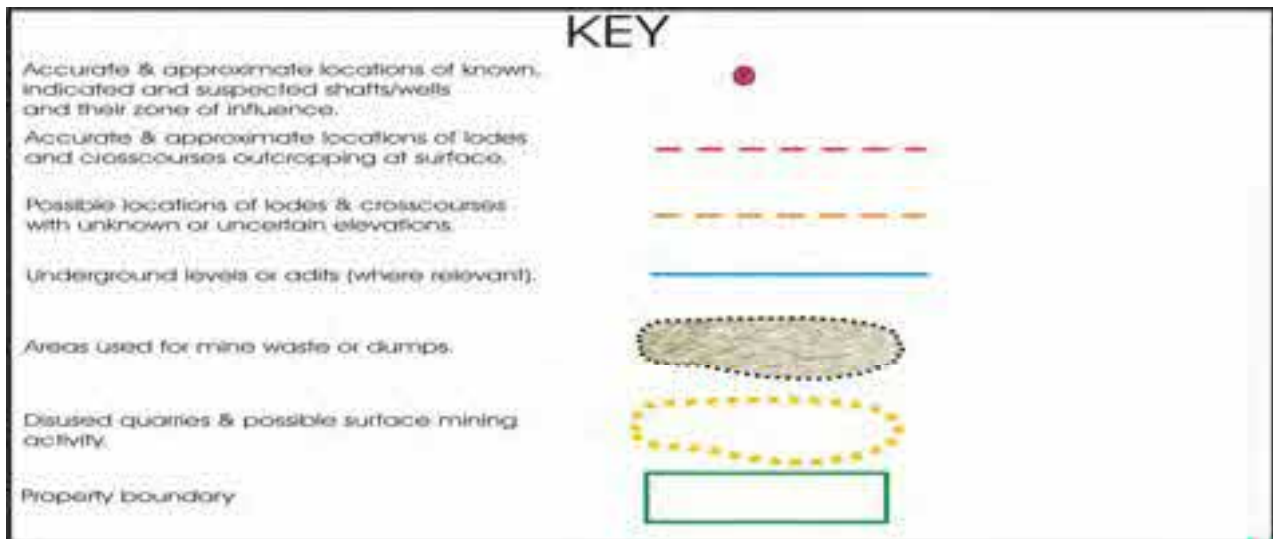
WESTCOUNTRY MINES & PROPERTY SURVEYS
 GROVE FARM, EAST HILL
 BLACKWATER, TRURO
 CORNWALL TR4 8EG
 Tel/Fax: 01872 562837

MINE SEARCH PLAN

DRAWN BY: NAP

Not to Scale
 Nat Grid Ref SX 005518
 E-mail: info@westcountrymines.co.uk

Plan Ref: 69880
 Date 31/07/2023



THE MINING FEATURES SHOWN ON THIS PLAN ARE BASED ON READILY AVAILABLE INFORMATION AND CANNOT BE CONSIDERED AS EITHER BEING TOTALLY ACCURATE OR COMPLETE. BASED ON ORDNANCE SURVEY 1:2500 PLANS WITH PERMISSION OF THE CONTROLLER OF HIS MAJESTY'S STATIONARY OFFICE. COPYRIGHT LICENCE No: AL815772.



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TR1 1JD UK

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